

Leicester
City Council

Winter Service Operational Plan 2022/23

Document Title	Winter Service Plan 2022/23
Document Status	Final (reviewed annually)
File Name	Winter Service Operational Plan 2022/23

Primary Author	M Fletcher
Reviewers	M.Fletcher, M Pears, N Weston, P Thompson, T Ahmed, A Cameron
Approval Authority	Executive Lead for Highways and Transportation
Date of Approval	2/11/05

Address

Leicester City Council
Planning, Development, & Transportation Division
City Hall,
115 Charles Street,
Leicester,
LE1 1FZ

Contact Details:

Contact Name: Martin Fletcher
Email: martin.fletcher@leicester.gov.uk
Tel No: 0116 454 4965
Fax No: 0116 225 3370

Version Control

Version	Date of issue	Prepared by	Approved by	Distribution	Amendment Details
1	9/11/05	A Adcock	See above	Intranet, DA,JH,MP,JW,S S	<ul style="list-style-type: none"> Document Created.
2	22/9/06	A Adcock	N/A, Minor changes only	Intranet, DA,JH,MP,JW,S S, Cleansing Services Managers	<ul style="list-style-type: none"> 1.Minor errors in original document. 2.Inclusion of Document Control Form.
3	14/11/06	A Adcock	N/a Minor Changes	Intranet, DA, JH,MP,JW,SS, Cleansing Services Managers	<ul style="list-style-type: none"> Five additional grit bin locations. Logo added.
4	1/10/08	A Adcock	N/a, Minor Changes only,	Intranet, MF, MP, NW, TV.	<ul style="list-style-type: none"> 1.Para 1.3, 1.5, 2.2, 3.3 and 3.5, 5.1d, 5.3, 5.4, 5.5,6.0,7.0 amended. Additional roads (NW) added. Appendix 9 added. 4. Additional Grit Bin locations added.
5	10/2/10	A Adcock	N/a, Minor Changes only	Intranet, MF, MP,NW,TV	<ul style="list-style-type: none"> paras 3.2, 3.3, 4.3, 5.3, 5.5,5.7b, 6. (Salt), Table H2 and Appendices 2 & 9 amended. Additional road (NW) added. Add para 2.4. Minor Typos. 5. Page No's changed.
6	30/11/10	A Adcock	Grit Bin Policy – Cabinet Lead, Others- Minor Changes only,	Intranet, MF, MP,NW,TV	<ul style="list-style-type: none"> paras 1.3, 3.3, Notes for Table H2 & 6.6 amended. Additional roads added. Add para 6.7 –Service Resilience. Minor Typos. Weather Forecast provider changed. (5.3). Plant List updated (6.4). Additional Grit Bins. Total Gritting Network amended. Appendix 10, List of schools on gritting Routes added. 10. Page No's changed.
7	11/10/11	T Vesty	P Thompson	Intranet, SS,MF,NW,TV, PM	<ul style="list-style-type: none"> Para 1.3.2.2,6.4&6.6, 3.2c. Updated Plant List. Added 15 New Grit Bin locations. Added Avenue Road slip road on Snow Clearing route and the Exchange shopping area. Added Salt Conservation Policy & Snow clearing record sheet to Appendix. Added Appendix 13 Roads which could not be gritted. Page No's Changed.

Version	Date of issue	Prepared by	Approved by	Distribution	Amendment Details
8	05/10/12	T. Vesty	P Thompson	Intranet TV,MF,SS,PM, NW & MP	<ul style="list-style-type: none"> Grit bin list has been updated. New sentence in Appendix 13. Decision to grit will be logged on weather forecasting site.(para5.4). Changed the Secondary route to Severe weather routes. Contents page adjusted to match new page numbers.
9	11/10/13	T .Vesty	P Thompson	Internet TV,MF,PM,NW & MP	<ul style="list-style-type: none"> 1.Changed name of Author. 2. Add section on escalation. 3. Update Grit Bins. 4. Changed phone numbers. 5. Updated all charts/ Tables to conform with most up to date version of appendix H. 6. Updated Winter Service Resilience. 7. one new road on Primary routes and one on severe weather routes.
10	24/06/14	T .Vesty	P Thompson	Internet, TV, MF, PM,NW & MP	<ul style="list-style-type: none"> 1.Update Grit Bin Locations. 2. Change no. on Contents page. 3 Add new Dolomite Spreaders.
11	28/11/14	I Dakri	P Thompson	Internet	<ul style="list-style-type: none"> Change to paragraph 1.3 to alter total number of grit bin locations to 332.
12	04/09/15	T Ahmed	P Thompson	Internet, TA, MF, PM, NW, MP, PT	<ul style="list-style-type: none"> Changes to dates. Updates made to extended gritting routes.
13	24/02/16	T Ahmed	P Thompson	Internet, TA, MF, PM, NW, MP, PT	<ul style="list-style-type: none"> New grit bin locations added to the list and matrix tables amended.
14	19/07/17	T Ahmed	P Thompson	Internet, TA, MF, PM, NW, MP, PT	<ul style="list-style-type: none"> Changes to dates. Updates made to include the new weather service provider.
15	13/07/18	T Ahmed	P Thompson	Internet, TA, MF, PM, NW, MP, PT	<ul style="list-style-type: none"> Changes made to grit bin list.
16	29/07/19	T Ahmed	P Thompson	Internet, TA, MF, PM, NW, MP, PT	<ul style="list-style-type: none"> Changes made to grit bin list and gritting roads added to list to include LOROS Hospice. New weather station on Goodwood Road has also been added to the document.
17	14/07/20	T Ahmed	P Thompson	Internet, TA, MF, PM, NW, MP, PT	<ul style="list-style-type: none"> Changes to the gritting vehicle fleet.
18	05/02/2021	A Cameron	P Thompson	Internet, TA, MF,PT	<ul style="list-style-type: none"> Accessibility updates to document. Amendments made to lists of streets. Headings adjusted. Contents Page Automated and updated. Page numbering reviewed. Minor grammatical updates.
19	13/09/2021	T Ahmed	P Thompson	Internet, TA, MF,PT	<ul style="list-style-type: none"> Amendments to grit bin list. Changes to gritting fleet list. Formatting changes.
20	15/02/2023	A Cameron	P Thompson	Internet, TA, MF,PT	<ul style="list-style-type: none"> Updated tables to present Headings on each page of table.

Version	Date of issue	Prepared by	Approved by	Distribution	Amendment Details
					<ul style="list-style-type: none">• Updated decision criteria and updated references to salt, salting and salted to rock salt, gritting and gritted respectively.• Update timescales and recurrence periods associated with Weather Forecasts to reflect those offered by MeteoGroup.• Minor layout alterations.

Contents

1. Introduction.....	8
2. Policy.....	10
3. Assessment of Need - Priorities	11
3.1 Road Conditions.....	11
3.2 Carriageways:	12
3.3 Footways, Pedestrian Areas and Cycleways.....	12
3.4 Spot Gritting / Locations notified by the Police	13
3.5 Grit Bins.....	13
3.6 Highway Trees / Landscaping	13
4. Organisation and Responsibility	14
4.1 Staffing and Operational Arrangements	14
4.2 Winter Service Period.....	14
4.3 Communications.....	14
4.4 Extent of Highway Network	15
5. Detailed Procedures.....	15
5.1 Winter Service Routes.....	15
5.2 Treatment of Ice	16
5.3 Weather Forecast Reports	17
5.4 Decision Making	17
5.5 Gritting.....	20
5.6 Road Condition Reports / Snow Action	22
5.7 Snow Clearing including Snow Ploughing	22
5.8 Snow Desk	23
6. Winter Service Resources	24
7. Winter Maintenance Review Procedures	26
8. Appendices.....	27
Appendix 1 - Record of Decisions Made	28
Appendix 2 – Rock Salt Stock Status	30
Appendix 3 - Highway Spot Gritting Request Form	31
Appendix 4 – Cross Boundary Gritting Arrangements	32
Appendix 5a – Primary Gritting Network (NE)	33
Appendix 5b – Primary Gritting Network (NW)	36
Appendix 5c – Primary Gritting Network (SE).....	40
Appendix 5d – Primary Gritting Network (SW)	44
Appendix 6a – Secondary [Severe Weather] Gritting Network – Western.....	48
Appendix 6b – Secondary [Severe Weather] Gritting Network – Eastern.....	51

Appendix 6c - Total Primary and Secondary Gritting Network.....	53
Appendix 7 - Footway and Pedestrian Snow Clearance Areas	55
Appendix 8 – Grit Bin Locations	68
Appendix 9 – Treatment Table - Footways and Cycleways.....	83
Appendix 10 – List of Schools on Gritting Routes	84
Appendix 11 - Footway and Pedestrian Area Snow Clearance Confirmation Of Completion Sheet.....	88
Appendix 12 - Policy for Conservation of Rock Salt Stock Levels	89
Appendix 13 – CSS Advise to CSS Members on how to help Preserve Salt Stocks...	98
Appendix 14 - Winter Service - Primary Route Roads unable to grit log	100

1. Introduction

- 1.1** The Winter Service is essential for public safety and also for the national and local economy in maintaining the movement of traffic and pedestrians. The City Council is responsible, as the Highway Authority, for the Winter Service of all adopted public Highways within the City, which includes:
- Precautionary salting using rock salt, which will be referred to as gritting unless quoted otherwise
 - Provision of salt bins with rock salt, which will be referred to as grit bins unless quoted otherwise
 - Snow clearance
- 1.2** The City Council has a statutory duty to clear snow and ice from the Highway in times of significant snowfall so far as is reasonably practicable, so that safe passage along the Highway is not endangered by snow or ice. This does not mean that all roads and footways in the City must be treated as soon as ice forms or snow falls.
- 1.2** The Winter Service will be delivered in accordance with consistent policies and priorities as well as other aspects of Highway maintenance and network management as detailed in this Winter Service Plan. Due to the limited resources and finances available for the Winter Service, it is essential that the City Council's plans reflect the relative importance of the various traffic routes and are adaptable to the prevailing weather conditions.
- 1.3** This Winter Service Plan is designed to meet the specific needs of the City Council Road Network and will be operated by qualified and experienced personnel. The Council aims to keep its most important roads, which include all main roads and bus routes (approximately 298 km in length – about 36% of the road network) clear of ice and snow during the winter period. The Highways that are treated are shown in Appendices [5](#), [6](#) and [7](#), on the Council's website: [Winter roads maintenance \(leicester.gov.uk\)](http://www.leicester.gov.uk/winter-roads-maintenance). There are approximately 500 grit bins sited at known trouble spots around the City to use when necessary. The locations of our grit bins are also shown in [Appendix 8](#) and on the Council's website: [Aurora \(leicester.gov.uk\)](http://www.leicester.gov.uk/aurora).
- 1.4** During wintry conditions the Council's gritters work during the night to make the roads safe for morning traffic. However, drivers should drive carefully and must not assume that all main roads are as safe to use as in normal conditions. Should conditions worsen with heavy snowfall, spare gritters as well as the normal precautionary gritting fleet will be used and, if appropriate, snow ploughs on the gritters may also be used. Gritting and ploughing may take place during the daytime when snow is forecast or has fallen.

In wintry conditions drivers should listen to the weather forecast and to the local radio stations for the latest information before setting out in their cars. If possible, buses should be used to ease congestion and prevent delays to the gritting operation as the Council's effort will concentrate on keeping the main roads clear. Pedestrians should take extra care as footways are normally not gritted.

- 1.5** The Winter Service operation, and this Plan, will be reviewed at the end of each winter and a new Plan will be issued about mid-September each year. This document has been compiled in accordance with [Well-Managed Highway Infrastructure: A code of practice](#), and its previous iteration Well-Maintained Highways, the Code of Practice for Highway Maintenance Management (section 13 Winter Service and Appendix H).
- 1.6** The Winter Service Operational Plan fits within Leicester City Council's Emergency planning as a TIER 1 response. This could escalate to a Leicester City Council Major Incident if the severe weather is such that the following definitions apply:

TIER 1- Business Continuity

Tier 1 responses are internal to a single Service Area and can be dealt with by activation of the individual business continuity arrangements. A business continuity issue is **NOT** classified as a major incident requiring the activation of this plan unless:

- Service Managers consider that they cannot deal with the incident within the confines of their own business continuity plans and / or
- There are multiple Service Areas involved in the incident and / or
- The event has the potential to impact upon the overall service delivery, reputation or financial standing of Leicester City Council.

TIER 2- Major Incident Internal to the Council

- An internal major incident is defined as an incident causing significant disruption to the Leicester City Council's operations. It may affect an entire building or a number of buildings, staff or visitors with the potential to escalate to a level requiring the intervention of the emergency services.
- Existing operational procedures will not cover the actions necessary to manage the repercussions of such incidents and therefore it would be necessary to activate this plan and implement command structures at some or all of the

following levels: Strategic (Gold), Tactical (Silver), and Operational (Bronze)
See 6.3 – 6.6 below.

- It is important to recognise the difference between an internal business continuity issue and a major incident but also the relationship between the two:
 1. An internal business continuity issue may escalate to a level where the emergency services are required and therefore constitute a major incident as defined by the Civil Contingencies Act.
 2. An external major incident may soon develop into a business continuity issue for the Authority depending upon the resources it must commit under its statutory duty as a Category 1 Responder.

TIER 3- Major Incident Requiring Multi-Agency Response

- The Civil Contingencies Act defines a major incident as:
“An event or situation which threatens serious damage to human welfare in a place in the UK or the environment of a place in the UK, or war or terrorism which threatens serious damage to the security of the UK.”
- While this definition of a major incident is accurate within the context of Leicester City Council a major incident can be defined as an incident which requires a multi-department response to an internal business continuity issue or an external incident which requires a multi-agency response which Leicester City Council will support via the multi-department command and control arrangements.

In such circumstances the Leicester City Council Major Incident Plan would come into play alongside any individual service plans like yours.

2. Policy

- 2.1** The aim of Leicester City Council is to provide a Winter Service that, as far as reasonably possible, permits the safe movement of traffic and keeps delays and accidents caused by adverse weather conditions to a minimum on roads within Leicester.
- 2.2** It is the Council’s Policy, as the Highway Authority, to comply with the requirement of the Highways Act 1980 Section 41(1A) which states:
- a) *The authority that are for the time being the Highway authority for a Highway maintainable at the public expense are under a duty, subject to subsections (2) and (3) below, to maintain the Highway*

- b) *In particular, a Highway authority is under a duty to ensure, so far as is reasonably practicable, that safe passage along the Highway is not endangered by snow or ice.*

Section 150 of the Highways Act still imposes a duty upon the Highway authority to remove any obstruction of the Highway resulting from ‘*accumulation of snow or from falling down of banks on the side of the Highway, or from any other cause*’.

- 2.3** This will be achieved by providing a consistent and well-co-ordinated service in the city area and that the available resources are deployed in an efficient manner. This is likely to include:

- Preventative Measures i.e. precautionary gritting/gritting.
- Gritting following the formation of snow and/or ice.
- Clearance of snow and/or ice.
- Provision of grit bins in appropriate locations.

- 2.4** If the authority cannot obtain sufficient supplies of rock salt to maintain the service to the standard detailed in the Winter Service Plan due to circumstances beyond its control, the authority will consider contingency arrangements in liaison with the police service. These will be approved by the Cabinet Lead for Regeneration, Highways and Transportation in consultation with the Director of Regeneration, Highways and Transportation and agreed with the Emergency services. There will then be a press release detailing any proposed changes to the normal gritting routes/procedures. Any changes to the gritting policy are to be recorded on [Appendix 1](#) in the Comments section.

3. Assessment of Need - Priorities

3.1 Road Conditions

The need to carry out the Winter Service is caused by adverse conditions which may vary across the City. Road conditions can also vary considerably and be influenced by local topography, humidity, wind speed and residual salinity. Some of the conditions which affect that need are as follows: -

- (i) Temperatures falling to zero with varying cloud cover conditions, humidity and low residual salinity on the roads.
- (ii) Frost or light snow forecast on dry roads.
- (iii) Frost forecast after rain.
- (iv) Freezing conditions coinciding with rain.
- (v) Ice already formed on road surface.
- (vi) Rapid falls in temperature due to changing cloud conditions.
- (vii) Considerable variations in temperature, humidity and wind speed.

(viii) Heavy snow falls.

3.2 Carriageways:

a) The priorities for precautionary gritting treatment are the primary gritting routes (see [Appendix 5](#)) that include:

- (i) Main Roads.
- (ii) Major commuter routes and known trouble spots.
- (iii) Other important bus routes and access to bus stations and schools (where practicable, see [Appendix 10](#)), hospitals and other key locations.

In general, other routes will receive no precautionary gritting treatment although locations notified by the Police additional to primary gritting routes (with the relevant Incident Number) may be gritted if requested and gritting routes may be changed in an emergency situation.

b) In the event of a forecast of snowfall or when snowy or icy conditions persist all available resources will be directed to clearing the primary gritting routes. However, precautionary gritting of the severe weather gritting routes (see [Appendix 6](#)) may be undertaken if resources permit which will greatly assist subsequent snow clearance. The extent to which roads not subject to precautionary treatment are dealt with in icy conditions will depend on the severity of the conditions, availability of resources and the length of time the conditions prevail. These secondary routes covering known trouble spots are planned in advance of the winter season to assist in determining priorities in such conditions.

c) In the event that our drivers are unable to grit all the roads on their route (due to parked cars, road closure's etc.), then a list of all roads they were unable to access will be logged and kept with the decisions made file ([Appendix 14](#)).

3.3 Footways, Pedestrian Areas and Cycleways

a) No precautionary gritting shall normally be carried out to footways, pedestrian areas or cycle ways apart from City Centre Category 1a (Gallowtree Gate, East gates, Haymarket, Humberstone Gate West and High Street) plus St Nicholas Place Bus terminus and Granby Street Super Crossing. Here precautionary treatment may take place if overnight forecast temperatures are below zero extending beyond 8.00am. See [Appendix 9](#) Treatment Table for Footways and cycle ways.

b) For Footways and pedestrian areas, the Winter Service Duty Officer will order snow clearance from [Appendix 7](#) – Footway and Pedestrian Area Snow Clearance to commence when resources come available from higher priority treatments. Treatment will only be during normal working hours. No snow clearance treatment will be carried out on cycle ways.

The Winter Service Duty Officer will consider the following conditions:

- The likely duration of freezing conditions
- Timing of any action to avoid user conflict
- Timing of any action to complete treatment to meet user needs
- Residual rock salt
- Weather since the last treatment
- Environmental issues

c) Snow clearance work may also take place in other locations notified by the Police on footways or pedestrian areas (with the relevant Incident Number). During extreme conditions, the Winter Service Duty Officer may decide to extend gritting to clear accumulated snow in the vicinity of schools, crematoria, hospitals, old person's dwellings, and other areas of high pedestrian risk but only after the defined list of Footway and Pedestrian Areas detailed in [Appendix 7](#) have been gritted. Treatment will only be during normal working hours.

No snow clearance treatment will be carried out on cycle ways.

3.4 Spot Gritting / Locations notified by the Police

This is the application of rock salt to specific locations only and is known as spot gritting. This will only be used when police have reported an incident/accident caused by frost, snow or ice (an Incident Number must be given) or where Winter Service staff identify a particular problem. Details of the incident to be recorded (see [Appendix 3](#)).

3.5 Grit Bins

Grit bins are provided in the city (see [Appendix 8](#)) for responsible usage of the contents within the Highway. These are provided at known trouble spots at road junctions or roads with steep gradients and heavily used footways with steep gradients. They are installed at approved locations and are checked and restocked, if necessary, before and during the winter period.

All requests for grit bins must come from the Ward Community Meeting and be approved by that meeting. The costs for a new grit bin will be met by the Ward Community Meeting but it will be maintained and filled with rock salt as and when necessary, by the City Council at no cost. This approach gives some ownership to the bin and means there is consistent approach across the city.

3.6 Highway Trees / Landscaping

Every effort will be made to safeguard Highway trees and landscaping in general. Additional operatives will be used to remove accumulated snow where necessary adjacent to trees or in landscaped areas.

4. Organisation and Responsibility

4.1 Staffing and Operational Arrangements

a) To enable operational decisions to be made at the most appropriate time the City Council receives a dedicated winter weather forecast from the MeteoGroup weather centre. The Winter Service Duty Officer is responsible for receiving weather information, taking decisions and initiating the appropriate actions for all Winter Service that occur during his or her period of duty. The Winter Service operations will be undertaken in accordance with the instructions issued by the Winter Service Duty Officer. See para 5.4 for the detailed procedure.

b) All designated City Council staff involved in Winter Service duties will receive instruction and training to ensure effective operation including appreciation of winter weather forecasting, effective decision-making, and operational procedures appropriate to their duties. All City Council operatives performing winter maintenance functions will receive guidance and training in the safe and effective operation of equipment.

c) All operatives are to be trained in the Health and Safety requirements and to be issued with Personal Protection equipment (PPE). Disciplinary action will be taken in the case of any member of staff or operative not using the equipment issued. High visibility garments will be kept clean and replaced as and when necessary. Two staff are required to be in the gritter when the snow plough is fitted although only one need have an HGV (Heavy Goods Vehicle) licence.

d) Sufficient resources will be available on a normal or standby basis to cover precautionary gritting actions within the agreed total response and treatment time and additional staff will be provided if necessary. This will enable a 24-hour continuous operation to be achieved if necessary.

e) Precautionary gritting and other Winter Service operations will be organised and run from Castle Park Depot, 90 Leycroft Road, Leicester. Details of the various gritting routes are given in Appendices [5](#), [6](#) and [7](#).

f) Co-operation with the police will be of maximum importance at all times.

4.2 Winter Service Period

For planning and operational purposes, the Winter Service will operate from 1st October to 30th April every year.

4.3 Communications

36 hour weather forecasts are provided by MeteoGroup at three times per day during the winter service period. These are:

- 5am – Early Morning
- 11am – Late Morning
- 5pm – Evening

An advance forecast is also available which outlines the weather forecast for the next 8 days.

The Winter Service Duty Officer upon reviewing the Early Morning and Late Morning weather forecasts will determine whether winter service action is required for the next 24-hour period. Where possible a decision on rates of rock salt spread, timing of commencement and routes to be covered will be made by 4pm. If necessary, this may be delayed. Precautionary gritting will usually be completed by 6am the following morning, but this is subject to gritting status, weather conditions and other factors.

The Winter Service Duty Officer logs the decision to grit on the MeteoGroup website. This forms the electronic Record of Decisions Made.

Also, the Winter Service Duty Officer completes a paper-based Record of Decisions Made (see [Appendix 1](#)) and instruct the crews. The Record of Decisions Made will be kept at Leycroft Road Depot.

4.4 Extent of Highway Network

The Highway network is the public Highway and prospectively maintainable Highway within the Leicester City Council boundary with the Winter Service being carried out as detailed in Section 3. There is some cross-boundary gritting with Leicestershire County Council (see [Appendix 4](#)).

5. Detailed Procedures

5.1 Winter Service Routes

a) The precautionary gritting of the primary and severe weather gritting routes has been designed to achieve the aims of the Winter Service in Leicester. Wherever possible, routes have been designed to increase the efficiency of the operation and to minimise environmental issues. All single carriageways and bus lane routes include gritting in both directions where traffic lanes are separated by islands etc.

Each year, the primary and severe weather gritting routes will be reviewed based on experience of the previous winter, changes in bus routes, and requests to extend routes. There will be liaison between adjoining Highway Authorities to ensure as far as possible consistency of treatment on priority routes.

b) Roadwork's/Obstructions/Diversions - For roadwork's, liaison will take place between the Roadwork's Site Management and Winter Service Duty Officer to ensure that roads through the works are treated as required. For diversions the Winter Service Duty Officer will ensure that all useable parts of the existing network are treated (e.g. either side of a stopped-up area) PLUS the agreed diversion route.

c) Snow clearance routes are based on the pre-planned precautionary gritting routes. Snow Clearance may be undertaken by ploughing supplemented by gritting/gritting. The frequency of the ploughing and the continuation of snow clearance operations will be decided by the Winter Service Duty Officer and depend on the conditions.

d) There is an annual agreement between Leicester City Council and Leicestershire County Council for cross boundary arrangements ([see Appendix 4](#)) for precautionary gritting under Section 8, Highways Act. This confirms that all gritting operations carried out by Leicestershire County in Leicester City should be undertaken according to Leicestershire County operational standards, and not the Leicester City's. These arrangements will only apply in respect of precautionary gritting operation, and liaison will take place during snow conditions, to ensure that appropriate action is taken.

5.2 Treatment of Ice

The necessity to deal with ice on the road will generally arise when un-forecast freezing conditions occur or when precautionary treatment has been ineffective due to circumstances beyond the Authority's control e.g., leakage from damaged water services or run off from adjacent land. It may also occur when problems are experienced on roads not subject to precautionary treatment. If ice has formed, rock salt will be spread as shown in Treatment Table H11 from Appendix H of the Well-Maintained Highway Code of Practice, or at a heavier rate to localised areas as required.

EXTRACT FROM TREATMENT TABLE H11 – TREATMENT FOR THIN LAYERS OF ICE (LESS THAN 1MM THICK)		
Forecast weather and road surface conditions	Medium/Light Traffic	Heavy Traffic
Lower of air or road surface temperature - Higher than -5 degree Celsius	Spread: 40 g/m ² of dry salt	Spread: 20g/m ² of dry salt
Lower of air or road surface temperature - Less than -5 degrees	Spread: 40g/m ² of salt abrasive mix (50:50) (see Notes 1 and 2)	Spread: 40g/m ² of salt/abrasive mix (50:50) (see Notes 1 and 2)

Note 1: Abrasives are ideally of 5-6mm and angular particles but grading down to 1-5mm may be reasonably effective. After abrasives have been used, drainage systems should be checked and cleared where necessary. Recovered materials which may be contaminated must be disposed of safely.

Note 2: Care is needed when salt is mixed with abrasives with high moisture content. Checks should be made that the mixture remains free flowing, does not clump and can be spread effectively.

5.3 Weather Forecast Reports

The MeteoGroup is the Forecast Provider contracted by Leicester City Council to supply its weather information service; MeteoGroup also provides weather information to Leicestershire County Council to improve consistency across the County. The weather stations on St Margaret's Way and on Goodwood Road in the City provide up to date weather information for MeteoGroup. This forecast delivers an 8-day outlook via a secure website as well as a 36-hour forecast. Forecasts are issued routinely at three times per day:

- 5am – Early Morning
- 11am – Late Morning
- 5pm – Evening

However, access to a forecaster is available 24 hours a day through its consultancy service.

The forecasts are received from the 1st of October to 30th April every year. The forecast provider contract will provide the following:

- Forecast minimum air temperatures
- Forecast road surface temperatures
- Likelihood of frost or ice formation
- Precipitation
- Fog
- Wind
- 24-hour telephone access to the forecaster

5.4 Decision Making

It is generally appropriate to apply the same treatment decisions to the whole of the city area. The Winter Service Duty Officer will determine whether winter service actions are required for the next 24-hour period before 4pm each day (during the winter service period) by:

1. Using Table H4-Sample Precautionary Treatment Decision Guide taken from Appendix H Well Maintained Highway Code of Practice as a guide – which is presented in the table below.

2. Reviewing the MeteoGroup weather forecasts. Whereby, gritting is required when two or more of the three weather stations present negative (minus) road surface temperatures in the city of Leicester.

The Winter Service Duty Officer will log the decision on the MeteoGroup website (which forms the electronic Record of Decisions Made). Once a decision is logged, MeteoGroup will issue confirmation emails to all persons on the circulation list, which includes but is not limited to, the Head of Service, Operations Manager and Winter Service Duty Officer.

The Winter Service Duty Officer will also inform the Supervisor of the winter service action to be taken. Who will in turn notify the operatives. During standby periods, the Supervisor will act as the Winter Service Duty Officer.

Table H4 – Sample Precautionary Treatment Decision Matrix Guide				
Road Surface Temperature	Precipitation	Predicted Road Conditions		
		Wet	Wet Patches	Dry
May fall below 1°C	<u>No</u> rain <u>No</u> hoar frost <u>No</u> fog	Salt before frost	Salt before frost (see note a)	No action likely, monitor weather (see note a)
Expected to fall below 1°C	<u>No</u> rain <u>No</u> hoar frost <u>No</u> fog			
	<u>Expected</u> hoar frost <u>Expected</u> fog	Salt before frost (see note b)		
	<u>Expected</u> rain BEFORE freezing	Salt after rain stops (see note c)		
	<u>Expected</u> rain DURING freezing	Salt before frost, as required during rain and after rain stops (see note d)		
	<u>Possible</u> rain <u>Possible</u> hoar frost <u>Possible</u> fog	Salt before frost		Monitor weather conditions
	<u>Expected</u> snow (See H10)		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 continuous monitoring and review.</p>			

The form detailing the reasons for the decision to grit ([Appendix 1](#)) will be completed at this time.

There will be occasions due to uncertain weather conditions when the decision on the appropriate course of action would be best left until the evening. On

these occasions the operatives will be informed of the delayed decision and told when it is likely to be made. Full use will be made of the MeteoGroup weather prediction service to determine the optimum time to commence precautionary gritting.

Notes on Table H4 above:

- a) Particular attention should be given to the possibility of water running across carriageways and other running surfaces e.g., off adjacent fields after heavy rains, washing off rock salt previously deposited. Such locations should be closely monitored and may require treating in the evening and morning, and possible on other occasions.
- b) When a weather warning contains reference to expected hoarfrost, considerable deposits of frost are likely to occur. Hoarfrost usually occurs in the early morning and is difficult to cater for because of the probability that any rock salt deposited on a dry road too soon before its onset, may be dispersed before it can become effective. Close monitoring is required under this forecast condition which should ideally be treated just as the hoarfrost is forming. Such action is usually not practicable, and rock salt may have to be deposited on a dry road prior to and as close as possible to the expected time of the condition. Hoarfrost may be forecast at other times in which case the timing of gritting 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 pre-treatment should be provided even on dry roads. This is a most serious condition and should be monitored closely and continuously throughout the danger period.
- e) Under dry weather conditions it may not always be necessary to grit every time that below zero conditions are forecast particularly when there is enough residual rock salt on the road to deal with the expected conditions. However, rock salt does need a certain amount of moisture to 'bind' it to the Highway surface. Without moisture, the rock salt will scatter across the surface into the channels becoming ineffective. Care will however be taken to treat known wet spots. As there is no effective way to measure "residual" rock salt a conservative approach will be taken and pre-gritting will be carried out if any doubt exists. In the event of hoarfrost, black ice, or a forecast of freezing fog precautionary gritting will be carried out even if the roads are dry.
- f) In the event of a forecast of rain followed by a frost the precautionary gritting will be delayed until it has stopped raining or for as long as necessary to prevent runoff.

- g) Gritting of the primary routes will be carried out in the event of hoarfrost or freezing fog or black ice that has not been forecast, unless thawing is likely before gritting can begin.
- h) Any reports of not gritting particular primary roads that should have been gritted will be investigated by the Winter Service Duty Officer, the name of primary road recorded on the Primary Route Roads unable to grit log (see [Appendix 14](#)) and appropriate action taken.

Table H12 - Treatment matrix & column for different non-forecast conditions			
Spreading Technology		Treatment Matrix	
Dry Salting		Treatment Matrix A	
Pre-wet Salt Spreading		Treatment Matrix B	
Treated Salt Spreading		Treatment Matrix C	
Salt distribution	Traffic level	Losses	Treatment matrix column
Poor	High	Normal	A
Poor	High	High	B
Poor	Medium/Light	Normal	C
Poor	Medium/Light	High	D
Fair	High	Normal	E
Fair	High	High	F
Fair	Medium/Light	Normal	G
Fair	Medium/Light	High	H
Good	High	Normal	I
Good	High	High	J
Good	Medium/Light	Normal	K
Good	Medium/Light	High	L

5.5 Gritting

a) The gritting routes have been designed to complete a 15 g/m² treatment within a maximum of 3 hours based on treatment speeds of 15 to 25 mph in the urban areas depending on road conditions and safety requirements. Gritting of priority footways and pedestrian areas will be undertaken after snowfall after completion of the gritting of the primary and secondary gritting routes. Snow clearance will be manual and can take place at the same time as gritting in the daytime.

b) Neat rock salt will melt ice and snow at temperatures as low as –20⁰ C but below –10⁰C the amount of rock salt needed becomes environmentally undesirable.

A spread rate of 15 g/m² will be effective to at least -5⁰ C and where traffic is heavy to -10⁰ C. rock salt will therefore be applied at the rates shown in the following table H12.

Table H12 shows how it was decided that Leicester City Council should use Treatment Matrix A Column **B**. This chart also shows that as this Authority use Dry Salting then they need to use Treatment Matrix A shown below.

TREATMENT MATRIX A DRY SALTING (De-icer spread rates in g/m²)													
Frost or forecast frost Road Surface Temperature (RST) and Road Surface Wetness	Column C vrg Traffic Loss	A PC HT NL	B PC HT HL	C PC MT NL	D PC MT HL	E FC HT NL	F FC HT HL	G FC MT NL	H FC MT HL	I GC HT NL	J GC HT HL	K GC MT NL	L GC MT HL
RST at or above -2°C and dry or damp road conditions		8	8	8	8	8	8	8	8	8	8	8	8
RST at or above -2°C and wet road conditions		10	13	13	16	8	11	11	13	8	8	8	10
RST below -2°C and above -5°C and dry or damp road conditions		15	20	17	20	13	17	14	17	10	13	11	13
RST below -2°C and above -5°C and wet road conditions		25	2 x 17	2 x 17	2 x 20	21	28	28	2 x 17	16	21	21	25
RST at or below -5°C and above -10°C *1 and dry or damp road conditions		29	2 x 19	2 x 16	2 x 19	24	32	27	2 x 16	18	24	20	24
RST at or below -5°C and above -10°C *1 and wet road conditions		2 x 24	2 x 32	2 x 32	2 x 39	2 x 20	2 x 27	2 x 27	2 x 32	30	2 x 20	2 x 20	2 x 24
Please see Table H13 for variations to the rates given above													

Our current lorries can only spread in increments of 5g/m² so we will use the following failsafe spreading rates:

Frost or forecast frost Road Surface Temperature (RST) And Road Surface Wetness	Column B from Above chart	Leicester City Council Spread Rates
RST at or above -2 ° C and dry or damp road conditions.	8	10
RST at or above -2c and wet road conditions *	13	15
RST below -2 ° C and above -5 ° c and dry or damp road conditions	20	20
RST below -2 ° C and above -5 ° C and wet road conditions	2 x 17	2 x 20
RST at or below -5 ° C and above - 10 ° C and dry or damp road conditions	2 x 19	2 x 20
RST at or below - 5 ° C and above -10 ° C and wet road conditions	2 x 32	2 x 40

Notes:

- i. *Rate of spread for precautionary treatments may be adjusted to take account of variations due to residual rock salt, temperature variations, surface moisture, road alignment and traffic density.
- ii. Ice refers to all ice on the road surface, including black ice.
- iii. These rates of spread are a general guide and treatments will be made to deal with anticipated weather conditions to provide an ice-free surface as expeditiously as possible without use of excessive rock salt.

- iv. All decisions should be evidence based, Recorded and require continuous monitoring and review.

5.6 Road Condition Reports / Snow Action

When a snow warning is received precautionary gritting will be carried out on all the primary routes and possibly secondary routes at the discretion of the Winter Service Duty Officer.

5.7 Snow Clearing including Snow Ploughing

EXTRACT FROM TREATMENT TABLE H8 - PRECAUTIONARY TREATMENT BEFORE SNOW OR FREEZING RAIN (APPENDIX H OF THE WELL MAINTAINED HIGHWAY CODE OF PRACTICE)		
Weather Conditions	Light or Medium Traffic	Heavy Traffic
Light snow Forecast	Spread 40g/m ² of dry salt	Spread: 20g/m ² of dry salt
Moderate/Heavy Snow Forecast	Spread: 20-40 g/m ² of dry salt	Spread: 40 g/m ² of dry salt
Freezing rain forecast	40 or 2x20 g/m ² of dry salt (See Notes 1 and 2)	
Note 1: The lower rates of 20g/m ² can be used if the snow is likely to settle quickly, e.g., when the road surface temperature is below zero, the road surface is not wet and the snow is not wet, and or there is little traffic after snowfall begins and settles		
Note 2: Spread salt before freezing rain can have limited benefit and authorities should be prepared to make follow up treatments on any ice that is formed		

EXTRACT FROM TREATMENT TABLE H9 - TREATMENT DURING SNOWFALL (APPENDIX H OF THE WELL MAINTAINED HIGHWAY CODE OF PRACTICE)	
Plough to remove as much material as possible Ploughing is most effective when as near as possible to the level of the road surface	
No ice or compacted snow on surface	Ice or compacted snow on surface (see Note 2)

To provide debonding layer, spread: 20g/m ² of dry salt (see note 1)	Is traffic likely to compact subsequent snowfall before further ploughing is possible?	
	Yes	No
	To provide debonding layer, spread: 20 g/m ² of dry salt	No de-icer should be spread

a) When snow is forecast precautionary gritting will be undertaken at spread rates as shown in Treatment Table H8 and H9 from Appendix H of the Well Maintained Highway Code of Practice. The higher rate will be used where significant quantities of snow are forecast. It is essential that enough rock salt is applied before snow starts to stick to the road surface. Even if snow subsequently settles the resultant wet film will ease the work of the snow plough. Early gritting is particularly important where snow ploughing may be difficult due to vicinity of buildings and footways.

b) Snow clearing operations will be based on the precautionary gritting routes and concentrates on maintaining the Classified Road routes. Additional resources, including the use of reserve vehicles, may be ordered by the Winter Service Duty Officer. Plough blades will be fitted to nominated operational vehicles if accumulations of snow greater than 30mm are forecast and snow clearing will normally commence when the depth of snow exceeds 30mm. Snow ploughing will normally be supplemented by gritting at spread rates detailed in Treatment Table H8 and H9 from Appendix H of the Well Maintained Highway Code of Practice.

c) For dual carriageways, the winter service vehicles will first operate in Lane 1 ploughing snow to the left onto the footway/verge. Only when Lane 1 has been secure will the vehicle return to the Depot, refit the plough and proceed to lane 2. Lane 2 will be ploughed to the right onto the central reservation care being taken not to plough snow right across onto the opposing carriageway

5.8 Snow Desk

When, in exceptional circumstances, the weather forecast predicts prolonged or significant snowfalls a Snow Desk will be established at Castle Park Depot and a staff rota organised to deal with enquires from the public. Details of all actions taken in response to members of the public will be recorded on the Highway Spot Gritting Request Form ([Appendix 3](#)).

The Winter Service Duty Officer will exercise his/her discretion concerning the need for 24-hour coverage and will provide full instructions to the operatives

during the snow down period. All such instructions will be fully recorded in the operational log with details of actions taken and resources utilised. The log shall contain dates and times of significant incoming and outgoing telephone calls, decisions made, instructions to operatives and plant and equipment mobilised.

6. Winter Service Resources

6.1 Depot: Castle Park Depot, 90 Leycroft Road, Leicester

6.2 Management: City Highways, Leicester City Council. Contact: Nick Weston
Tel: 0116 454 5045

6.3 Labour: City Highways, Leicester City Council: Contact as Above

6.4 Plant :

Vehicle	Reg Number	Model	Based At
7121	FN21 GDJ	Econ Gritter	Castle Park Depot
7122	FD69 FWK	Econ Gritter	Castle Park Depot
7123	FH69 FWL	Econ Gritter	Castle Park Depot
7124	FH06 GDE	Econ Gritter	Castle Park Depot
7125	RX07 PYP	Econ Gritter	Castle Park Depot
7126	KX05 VNG	Econ Gritter	Castle Park Depot
		Snow Plough	Castle Park Depot
		Snow Plough	Castle Park Depot
		Snow Plough	Castle Park Depot
		Snow Plough	Castle Park Depot
		Loading Shovel	Castle Park Depot
		Dolomite SPT/50	Castle Park Depot
		Dolomite SPT/50	Castle Park Depot
		Dolomite SPT/50	Castle Park Depot
		Dolomite SPT/50	Castle Park Depot
		Dolomite SPT/50	Castle Park Depot
		Dolomite SPT/50	Castle Park Depot
		Dolomite SPT/50	Castle Park Depot
		Dolomite SPT/50	Castle Park Depot
		Dolomite SPT/50	Castle Park Depot
		Dolomite SPT/50	Castle Park Depot
		Weather Station	Goodwood Road
		Weather Station	St Margaret's Way

Four operational vehicles will generally be used to treat the network, with a reserve fleet to assist in extreme conditions, and to cover for primary front line vehicles during repairs. All vehicles are fitted with plough sub-frames that can

be fitted with variable angle ploughs that can plough snow either to the left, right or straight ahead. There are four 3-metre ploughs available. All spreaders will be calibrated in accordance with BS1622 prior to the Winter Service period. All gritters are fitted with radios systems.

Loading shovel capable of loading a vehicle will be provided at the Depot.

All vehicles will be maintained and serviced at Fleet Transport, 86, Leycroft Road, Leicester. Any defects are to be reported to Fleet Transport as soon as possible. Annual servicing of City Council vehicles will be completed prior to the Winter Service period. Sufficient vehicles will however always remain operational to carry out any unseasonal precautionary treatments.

6.5 Fuel: Fuel will be supplied through an agreement with Fleet Transport, 86, Leycroft Road, Leicester. All vehicles will be kept clean and conspicuous to other road users and will have fully operational warning beacons.

6.6 Rock Salt: Stock Control will be carried out by City Highways who will arrange for sufficient rock salt to be delivered to the Castle Park Depot during the summer period. Additional rock salt may be ordered in the event of continuing severe weather. The minimum quantity of 6 mm rock salt complying with BS3247 stocked at Castle Park Depot at the commencement of each season is to be approx. 2500 tonnes. The covered stockpile is to be monitored monthly during the season (see [Appendix 2](#)) and reported to the monthly Highway Maintenance meeting. It will formally be reviewed in the first week in January every year or earlier if the estimated total rock salt available reduces to less than 1728 tonnes. The rock salt will be replenished to ensure adequate rock salt availability throughout the winter period. If we encounter difficulties replenishing out rock salt due to lack of availability, then we may need to activate our Rock Salt Conservation Policy. (See [Appendix 12](#)).

6.7 Winter Service Resilience:

Overall, Winter Period 1st October to 30th April and Core Winter Period 1st November to 1st March.

- 1 Run at 10g/m² = 24 tonnes
- 1 Run at 15 g/m² = 36 tonnes
- 1 Run at 20 g/m² = 48 tonnes

Determination of minimum rock salt stocks by Depot:

Assuming that in heavy snow conditions this authority would carry out 6 successive treatments at 20g/m².

Period	Rock Salt Stock	Number of Runs
Core Winter Period	1728 tonnes (At all times)	6 Days/ 36 Runs
Overall, Winter Period	864 tonnes (At all times)	3 days/ 18 runs

Minimum Stock
Leicester City Council Minimum Starting Stock: 2304 tonnes
Starting stock on 1 st November should be 12 Days with 4 Runs/ Day

7. Winter Maintenance Review Procedures

A consistent level of winter service over the city area is desirable to ensure the safety of Highway users. Prior to the Winter Service Period, liaison meetings will be held, if required, to discuss operational arrangements and lines of communication for the coming winter.

The Winter Service will be reviewed at the end of the Winter Service Period. The review will discuss, inter alia, the following:

- Updating the Winter Service Operational Plan
- Adequacy of response and timeliness of updates
- Adequacy of communications and the provision of public information
- The level and validity of public complaints and how dealt with
- The incidence of winter related accidents and third-party claims
- Roads closures due to adverse weather
- Response and treatment times
- Condition of the plant and equipment including vehicle downtime
- Rock Salt storage/supply/amount
- Adequacy and accuracy of weather forecasting service
- Personnel training needs
- Improvement and innovations
- Other operational issues

Following this performance review the Winter Service Operational Plan will be amended for the coming winter, and it will be issued to listed holders by the middle of September each year.

8. Appendices

Appendix 1 - Record of Decisions Made

Week Commencing

DATE	TIME	OFFICER	SIGNATURE	DECISIONS MADE																				
Copy Kept by Highway Maintenance				Gritting not required																				
				Forecast remain above 0°																				
				Marginal, residual salinity																				
				Gritting required																				
				Time gritting to commence																				
				Forecast fall below 0° on two weather stations																				
				Weather conditions – list over																				
				Snow forecast																				
				Snow at time of decision																				
				Other – list over																				
Primary Routes																								
Secondary Routes																								
Spot Gritting																								
Footway Snow Clearance																								
Other – list over																								

DATE	Appendix 1 (cont'd) Additional Comments on Weather Conditions and Decisions Made

Appendix 4 – Cross Boundary Gritting Arrangements (Leicester City Council & Leicestershire County Council)

Leicestershire County Council will grit the following routes in the city:

Road Name	Length Metres	Sector
Stonesby Ave to Goldhill Road to CB	100	SW
Lutterworth Road from CB to Soar Valley Way	300	SW
Soar Valley from Lutterworth Road to CB – both directions	750 x 2	SW
Braunstone Way from Hinckley Road to CB both directions	450 x 2	SW
Welford Road to Asquith Way – both directions	250 x 2	SE
Anstey Lane from Glenfrith Way to CB	400	NW
Groby Road from Glenfrith Way to CB both directions	500 x 2	NW
Hamilton Lane from Keyham Road west to CB	400	NE
TOTAL	5100	

Leicester City Council will grit the following routes in the County:

Road Name	Length Metres	Sector
Saffron Lane from CB to Dorset Ave	50	SW
Dorset Ave to CB	950	SW
Hillsborough Road from CB to Leicester Road	300	SW
Palmerston Way from CB to London Road	400	SE
Stoughton Road from CB to Stoughton Drive Roundabout	200 x 2	SE
Greengate Lane from CB to Loughborough Road	800	NW
Humberstone Lane from CB to Newark Road	1200	NE
Scraptoft Lane from Bowhill Grove to Scraptoft Rise	280	SE
TOTAL	4380	

Summary: Total length of the City gritted by the County = 5100m
Total length of the County gritted by the City = 4380m

Confirmed on the 3rd of September 2013

Note: Gritting operations carried out by Leicestershire County Council in Leicester City will be undertaken according to Leicestershire County Council operational standards, and not the Leicester City Council's. These arrangements will only apply in respect of precautionary gritting operation, and liaison will take place during snow conditions, to ensure that appropriate action is taken.

Appendix 5a – Primary Gritting Network (NE)

Primary Gritting Network	NE
North East Area	Length (Metres)
Abbey Park Road	998
Abbey Street	189
Abbots Road South (Cardinals Walk to Scraptoft Lane)	130
Armadale Drive	732
Austin's Rise	101
Barkby Road	1357
Barkby Thorpe Road (to width restriction)	900
Barling Road	165
Barry Road	302
Belgrave Circle	340
Belgrave Flyover	405
Belgrave Gate	1048
Belgrave Road	710
Bellflower Road (Sandhills Avenue to Kestrel Lane)	512
Blount Road - City Bus route in County	300
Brunswick Street	160
Burleys Way	451
Burleys Flyover	318
Cannock Street	764
Cannock Street (Catherine Street- Harrison Road)	435
Cardinals Walk (Hartfield Road- Abbots Road)	500
Catherine Street	1681
Charles Street (Belgrave Gate- St Georges Way)	731
Checketts Road	451
Christow Street	198
Colby Drive - City Bus route in County	400
Colin Grundy Drive	180
Columbine Road	563
Crafton Street	272
Dunbar Road	118
Dysart Way	917
Edgehill Road	447
Forest Road	195
Gallowtree Gate	205
Gleneagles Avenue	1335
Granby Street	436
Gravel Street	202
Greenland Drive	187

Primary Gritting Network	NE
North East Area	Length (Metres)
Grantham Road (Armadale Drive- Austin Rise)	157
Gipsy Lane	2517
Halford Street	251
Hamilton Lane (to Keyham Lane West)	475
Hamilton Way (Thurmston Lane- Hungerton Boulevard)	840
Harrison Road (Canon Street- Stafford Street)	729
Hartfield Road (Armadale Drive- Cardinals Walk)	96
Hastings Road	951
Haymarket	65
Heybridge Road (Between Little Dunmow Road & Barling Road)	235
Herongate Road	800
Humberstone Drive	831
Humberstone Lane (to Newark Road)	2010
Humberstone Gate	400
Humberstone Road (Humberstone Gate- St Matthews Way)	500
Hungerton Boulevard (Keyham Lane- Scraftoft Lane)	736
Ivy-Church Crescent	363
Kestrel Lane (Maidenwell Avenue to Bellflower Road)	494
Keyham Lane	938
Keyham Lane West	324
Little Dunmow Road	180
Loughborough Road	1520
Lower Keyham Lane	650
Madras Road	101
Maidenwell Avenue (including Hamilton Circle)	1488
Maidenwell Avenue (Supermarket Access Road)	140
Main Street	549
Marfit Street	241
Marston Road	439
Melton Road (to City Boundary)	2478
Montreal Road	286
Moorfield	454
Mountain Road	419
Nether Hall Road	1265
New Romney Crescent	780
Nicklaus Road	584
Northampton Street	41
Oliver Road	189
Ottawa Road	213
Overton Road	420

Primary Gritting Network	NE
North East Area	Length (Metres)
Peebles Way	589
Preston Rise	90
Queen Street (St Georges Street- St Georges Way)	106
Red Hill Circle Flyover (Part) Red Hill Circle (Part)	456
Ridgeway Drive - City Bus route in County	130
Roseneath Avenue	480
Rutland Street	438
Sandhills Avenue (Hamilton Way to Hamilton Circle)	1271
Southampton Street	333
St. Margaret's Bus Station	220
St. Augustine Road	332
St. Ives Road (Edgehill Road to Barkby Road)	212
St. Matthews Way	530
St. George Street	225
Steins Lane	117
Tailby Avenue	209
Taylor Road	199
Tennis Court Drive	753
The Roundway/ Hill Rise	256
The Portwey	354
Thurcaston Road (Abbey Lane- Loughborough Road)	420
Thurmaston Lane	1112
Thurmaston Lane (old Road from Gipsy Lane to dead end)	851
Trevino Drive	1147
Troon Way	1406
Tuxford Road	145
Victoria Road East (Tailby Ave – Thurmaston Lane)	1780
Watermead Way	1518
Waterside Road (Thurmaston Lane- Tuxford Road)	415
Wenlock Way	408
Wigley Road (Cardinal Walk- Scraftoft Lane)	132
Wycombe Road	514
Wyvern Avenue (inc cul de sac)	396
Total Length	62928

Appendix 5b – Primary Gritting Network (NW)

Primary Gritting Network	NW
North West Area	Length (Metres)
Abbey Lane	1787
Aikman Avenue	1655
Anstey Lane (to Krefeld Way) - County do to City Boundary	2600
Anthony Road	65
Astill Drive	327
Astill Lodge Road	1478
Avebury Avenue	880
Babingly Drive	308
Battersbee Road (Charnor Road- New Parks Way)	192
Beatrice Road	657
Beaumont Leys Lane	3329
Beaumont Lodge Road	426
Beaumont Way (Between Bennion Road and Orwell Drive)	987
Belgrave Boulevard (Beaumont Leys Lane- Holderness Road)	47
Bennion Road	2448
Birds Nest Avenue	633
Blackbird Road	1127
Bonney Road	812
Border Drive	657
Boston Road	788
Bradgate Street	360
Bringhurst Road	797
Buckminster Road	545
Burgess Street	174
Burnham Drive	357
Butterwick Drive	910
Byford Road (Eggerton Avenue- Abbey Lane)	77
Calver Hey Road	427
Causeway Lane	135
Chadwell Road (Kerrial Road to Musson Road)	128
Charnor Road	412
Churchgate (Burleys Way- Haymarket)	361
Collett Road (Between Tilling Road & Beaumont Leys Lane)	100
Cranston Crescent	183
Cuffling Drive	583
Darlington Road	345
Dillon Road (Birds Nest Avenue- Stenson Road)	259
Dillon Way	117

Primary Gritting Network	NW
North West Area	Length (Metres)
Dominion Road (New Parks Way to City Boundary)	371
Duns Lane	175
Duncombe Road up to LOROS Hospice	205
East Gates	55
Eggerton Avenue	361
Fosse Road Central	298
Fosse Road North	997
Frog Island	241
Frolesworth Road	432
Fulford Road	378
Gillman Road	137
Glenfield General Hospital Access Roads	1050
Glenfield Road	2203
Glenfrith Way	920
Golf Course Lane (Murrayfield Road- Scudamore Road)	218
Great Central Street	378
Great Meadow Road	407
Greengate Lane (to Loughborough Road) -City do 800m for County	1440
Groby Road (to Glenfrith Way) County do to City Boundary 540m	1730
Halifax Drive	882
Hallgate Drive	400
Heacham Drive	1895
Heatherbrook Road	530
Heathley Park Drive up to junction with Duncombe Road	127
Henley Road	531
High Street	322
Highcross Street (Northgate Street- Vaughan Way)	253
Holderness Road	358
Humphries Road (Access to First bus depot off Abbey Lane)	70
Ibbetson Avenue	128
Janet Setchfield Place	65
Kerrial Road (Frolesworth Road to Chadwell Road)	60
King Richards Road	786
Knights Road	225
Krefeld Way	1524
Leicester Road (Greengate Lane to City Boundary)	1054
Leycroft Road	805
Letchworth Road (Glenfield Road- Aikman Avenue)	485
Liberty Road (to City Boundary)	828
Lindfield Road	442

Primary Gritting Network	NW
North West Area	Length (Metres)
Loros Hospital Entrance Drive (Off Groby Road)	440
Madeline Road (Knight Road- Beaumont Leys Lane)	125
Mansfield Street	245
Marwood Road	767
Medina Road	145
Murrayfield Road	421
Musson Road	62
Narborough Road North	325
New Park Street	140
New Parks Way	3092
Northgates	41
Northgates Street	225
Orwell Drive	320
Park View	663
Park Rise	660
Parker Drive	851
Peacock Lane (St. Nicholas Circle to Southgates)	63
Petworth Drive Pindar Road	172
Pindar road	793
Pool Road	528
Ravensbridge Drive	433
Red Hill Circle, Red Hill Way, Red Hill Way Flyover (Part)	1232
Rutherford Road	500
Ryder Road (Scudamore Road to Fulford Road)	125
Sacherverel Road	355
Sandacre Street	85
Sandhurst Road (Poll Road- Pindar Road)	283
Sanvey Gate	336
Scudamore Road (New Parks Way- Wembley Road)	1296
Somerset Avenue	472
Southgates	258
Southgates Underpass	176
St. Augustine's Road	332
St. Margaret's Way	1271
St. Nicholas Circle	472
St Nicholas Place	100
St. Peters Lane	359
Stenson Road	352
Stephenson Drive	647
Strasbourg Drive	1452

Primary Gritting Network	NW
North West Area	Length (Metres)
Sudeley Avenue (Eggerton Avenue- Abbey Lane)	86
Sunningdale Road	749
Tatlow Road	457
Thurcaston Road (Abbey Lane- Red Hill Way)	496
Tilling Road	411
Tournament Road (Tatlow Road- Craston Crescent)	128
Vaughan Way	531
Wembley Road	501
Woodgate	305
Woodville Road	354
Total Length	75440

Appendix 5c – Primary Gritting Network (SE)

Primary Gritting Network	SE
South East Area	Length (Metres)
Aberdale Road	488
Ambassador Road	758
Asquith Boulevard	310
Asquith Way	1050
Balderstone Close (Rowlatts Hill Road to Ambassador Road)	52
Beckingham Road	177
Bowhill Grove	720
Brinsmead Road	364
Broad Avenue	741
Broadway Road	493
Brook Road	442
Cairnsford Road	263
Carisbrooke Road (Ratcliffe Road- Shanklin Drive)	760
Chapel Lane	322
Chesterfield Road	488
Church Road (Evington)	323
Church Lane (Knighton)	319
Clarendon Park Road (Welford Road- Queens Road)	631
Colchester Road	610
Coleman Road	1826
Dakyn Road	400
Davenport Road	860
De Montfort Street	508
Deleware Road	213
Derwent Street	146
Devon Way	52
Downing Drive	1456
Dudley Avenue	688
East Park Road	1564
Elmcroft Avenue	201
Ethel Road	1646
Evington Road	1143
Evington Lane	1939
Evington Valley Road	723
Evington Drive	701
Gamel Road	204
Gedding Road	268
Goodwood Road	1632

Primary Gritting Network	SE
South East Area	Length (Metres)
Granville Road	200
Green Lane Road	1553
Gwendolen Road	1358
Headland Road	369
High Street (Evington)	163
Highway Road	721
General Hospital Grounds (Coleman Road to Broad Avenue)	710
Humberstone Road (St. Matthews Way- Uppingham Road)	1238
Hylion Road (Lambourne Road- Aberdale Road)	271
Kimberly Road (Mayfield Road - Beckingham Road)	40
Kingsway Road (Stoughton Drive North - Highway Road)	396
Knighton Church Road	943
Knighton Fields Road East	481
Knighton Fields Road West	387
Knighton Road	1185
Lambourne Road (Woodcroft Avenue - Hylion Road)	285
Lancaster Road	659
The Langhill (Broad Avenue- Coleman Road)	61
Link Road	114
Lodge Farm Road	133
London Road (to Palmerston Way)	3603
Main Street (Evington)	272
Marydene Drive	681
Mayfield Road	177
Meadvale Road	694
Melbourne Road	790
Mere Road (Spinney Hill Road - Derwent Street)	908
Nansen Road	550
Nedham Street	425
New Way Road	183
Newhaven Road	756
Nursery Road	637
Ocean Road (Elmcroft Avenue- Dudley Avenue)	172
Overdale Road	464
Palmerston Way (to London Road)	1242
Pendlebury Drive	850
Putney Road	417
Queens Road	1146
Ratcliffe Road	757
Regent Road (Waterloo Way - Granville Road)	559

Primary Gritting Network	SE
South East Area	Length (Metres)
Ring Road (Link Road to Ventnor Road)	212
Romway Road (Highway Road to Stoughton Drive)	300
Rowlatts Hill Road	1385
Scraptoft Lane	2582
Sedgebrook Road	269
Shackerdale Road (Asquith Way - City Boundary)	395
Shady Lane	588
Shanklin Drive	998
Sparkenhoe Street	464
Spencefield Lane	1447
Spinney Hill Road	187
St. Stephens Road	324
St. Swithins Road	156
St. George Way	635
St. Peters Road	625
St. Barnasbas Road	392
St. Saviours Road (Mere Road - Broad Avenue)	1603
Stoughton Road (to Stoughton Drive Roundabout)	812
Stoughton Drive North	446
Stoughton Drive	596
Swain Street	221
Swainstead Road (Deleware Road - Newhaven Road)	21
The Common	306
Thurncourt Road	1804
Trueway Road (Broadway Road to Kingsway Road)	194
University Road	1103
Upper Charnwood Street	173
Uppingham Road (to City Boundary)	3605
Ventor Road	213
Victoria Park Road	1115
Wakerley Road	1014
Walshe Road (Goodwood Road - Davenport Road)	114
Waterloo Way	909
Welford Road (Waterloo Way - Asquith Way) *Leicestershire County Council do to City Boundary	2873
Welland Vale Road	519
Whitehall Road	445
Wicklow Drive	819
Wintersdale Road (Lodge Farm Road - St. Swithins Road)	514
Woodcroft Avenue	221

Primary Gritting Network	SE
South East Area	Length (Metres)
Total Length	82630

Appendix 5d – Primary Gritting Network (SW)

Primary Gritting Network	SW
South West Area	Length (Metres)
Ainsdale Road	765
Almond Road	373
Ambleside Drive (Hesketh Avenue - Packhorse Road)	425
Approaches to Southgate Underpass- Southern Side	1312
Attlee Way	830
Avery Hill	135
Aylestone Drive	778
Aylestone Road	3718
Banks Road	228
Barclay Street	599
Belvoir Street	222
Bendow Rise (Cort Crescent to Hand Avenue)	370
Blackmore Drive	513
Bonnors Lane	77
Braunstone Gate	241
Braunstone Lane *gritted by Leicestershire County Council	0
Braunstone Avenue (Barclay Street - Braunstone Lane)	1815
Braunstone Lane East	892
Braunstone Way *gritted by Leicestershire County Council	0
Brookfield Rise (Windley Road- The Fairway)	93
Carlton Street	111
Caversham Road (Ambleside Drive - Scotswood Crescent)	152
Cheshire Road	262
Commercial Square	585
Counting House Road	360
Cort Crescent (Including Island)	1561
Dorchester Road	494
Dorset Avenue - City do for County	950
Dumbleton Avenue	618
Duncan Road	735
Eastern Boulevard (Walnut Street - Mill Lane)	341
Euston Street	205
Evesham Road (Between Narborough Road & Roundhay Road)	85
Featherstone Drive	871
Folville Rise	346
Fosse Road South	1749
Freemans Common Road	370
Friar Lane (Millstone Lane - Southgate)	20

Primary Gritting Network	SW
South West Area	Length (Metres)
Fullhurst Avenue	644
Gallards Hill (including underpass)	940
Garnett Crescent (Sturdee Road - Hesketh Avenue)	156
Gateway Street (Mill Lane - Jarrom Street)	208
Gilmorton Avenue	1076
Glenbourne Road (Stonesby Avenue - City Boundary)	200
Glenhills Boulevard (incl. service roads)	928
Glenhills Way	1192
Gooding Avenue (Fullhurst Avenue - Redmarle Road)	825
Grace Road (Saffron Lane - Millingan Road)	236
Gutheridge Crescent (Valance Road - Imperial Avenue)	128
Haddenham Road	325
Hallam Crescent East	1312
Hamelin Road	490
Hand Avenue (County side from Hockney Farm Road - Gallards Hill)	306
Havelock Street	342
Hesketh Avenue	153
Heyford Road (Between Meadwell Road & Avery Hill)	215
Hillsborough Road (city grit 300m of county road)	1437
Hinckley Road (City Boundary)	3776
Hockley Farm Road	1045
Hollins Road (Wellinger Way to Webster Road)	73
Hopefield Road	312
Horsefair Street	201
Imperial Avenue	685
Imperial Street	643
Infirmary Road	161
Infirmary	172
Jarrom Street	604
King Street	366
Knighton Lane East	1054
Lutterworth Road (Wigston Lane-Gilmorton Ave) County do to City Boundary	916
Lyncote Road	204
Marlow Road	318
Meadwell Road (Between Braunstone Lane - Hockley Farm Road)	467
Meynells Gorse- Slip Road to Park and Ride	375
Middlesex Road (Banks Road - Cheshire Road)	70
Middleton Street	375
Mill Lane	409

Primary Gritting Network	SW
South West Area	Length (Metres)
Milligan Road (Aylestone Drive - Grace Road)	770
Millstone Lane	301
Monmouth Drive	732
Montrose Road South	271
Narborough Road	2270
Newarke Street	241
New Fields Avenue (Waltham Avenue - Hallam Crescent East)	284
Oxford Street	322
Packhorse Road (Radcot Gardens to Ambleside Road)	180
Pasley Road	572
Pelham Street	70
Peverel Road (Folville Rise - Hallam Crescent East)	111
Pilkington Road	289
Pocklingtons Walk	155
Pollard Road	238
Radcot Lawns (Hillsborough Road to Packhorse Road)	60
Ratby Lane Park and Ride (Bus Lane and turn around)	150
Raw Dykes Road	825
Redmarle Road	176
Regent Road (Waterloo Way - Welford Road)	395
Roundhay Road	140
Rowleys Fields Avenue	467
Royal Infirmary Roads	300
Rushton Drive	259
Saffron Lane (to Dorset Road)	3458
Scotswood Crescent	427
Simmins Crescent	249
Soar Valley Way (gritted by county)	0
Southfields Drive	1618
St. Andrews Road	289
Stonesby Avenue to Goldhill (County do to City Boundary)	897
Sturdee Road	1385
The Fairway	637
Thurlington Road	335
Tovey Crescent	254
Trenant Road	355
Upperton Road	1057
Upperton Rise	133
Walnut Street	573
Waltham Avenue	602

Primary Gritting Network	SW
South West Area	Length (Metres)
Webster Road	235
Welford Place	82
Welford Road (Welford Place - Waterloo Way)	1126
Wellinger Way (Hockley Farm Road to Hollins Road)	381
Western Boulevard	691
Whitteny Drive (Tovey Crescent - Simmins Crescent)	24
Wigston Lane	1405
Windforde Crescent (Gallards Hill - Hockley Farm Road)	456
Windley Road (Stonesby Avenue - Brookfield Rise)	760
Winstanley Drive	1121
Woodshawe Rise (Pilkington Road to Cort Crescent)	353
Worral Road	135
Wyngate Drive	692
Wyville Row	294
Total Length	76142

Appendix 6a – Secondary [Severe Weather] Gritting Network – Western

Secondary Gritting Network - Western	
Western Area	Length (Metres)
Amersham Road	68
Ashdown Avenue	155
Astill Drive	327
Aston Hill	87
Avery Hill	137
Aysgarth Road	162
Balcombe Avenue	51
Bateman Road	494
Beaconsfield Road	437
Belgrave Boulevard (North Carriageway)	841
Belton Close	119
Biddle Road	565
Birkenshaw Road	205
Bishopdale Road	222
Blissett Road	603
Bloxham Road	332
Blue Gates Road	468
Bolten Road	272
Burdett Way	99
Burgess Road	294
Burns Street	78
Calder Road	140
Cambridge Street	446
Cashmore View	609
Cheriton Road	247
Church Road (Belgrave)	80
Churchward Avenue	352
Clarefield Road	227
Cooden Avenue	98
Copeland Avenue	440
Corfield Rise	363
Courtenay Road	297
Croft Avenue	49
Cyprus Road	298
Darlington Road	343

Secondary Gritting Network - Western

Western Area	Length (Metres)
Dersingham Road	305
Dillon Road (Kay Road to Birds Nest Avenue)	362
Ditchling Avenue	62
Dunkirk Street	98
East Street	136
Eastfield Street	320
Eastwood Street	326
Fayhurst Road	281
Grace Road	555
Great Arler Road	304
Harrow Road	465
Hattern Avenue (Marwood to Ingold)	223
Healy Close	69
Heathcott Road	336
Heather Road	578
Heatherbrook Road	530
Home Farm Close	220
Ingold Avenue	498
Jean Drive	742
Jersey Road	281
Knighton Fields Road West	243
Lancing Avenue	70
Landsdowne Road	506
Letchworth Road	844
Lewitt Close	70
Limber Crescent	324
Linney Road	260
Lomond Crescent	524
Lorraine Road	228
Marsden Lane	398
Meadhurst Road	194
Meadow Garden (West of Windley)	302
Mendip Avenue	150
Milverton Avenue	225
Minster Crescent	251
Montrose Road	271
Nevanthon Road	279
Old Church Street	397
Park Hill Drive	453
Pitchens Close	235

<u>Secondary Gritting Network - Western</u>	
Western Area	Length (Metres)
Potterton Road	194
Poynings Avenue	75
Rannoch Close	141
Roydene Crescent	511
Salkeld Road	159
Sanvey Lane (Logan to Middleton)	81
Schoolgate	148
Seddons Close	87
Sheringhams Road	197
Silbury Road	137
Snow Hill	42
Sudeley Avenue	255
Sunnycroft Road	186
Sutton Road	130
Swinford Avenue	265
Tetuan Road	561
The Newry	506
Torridon Close	98
Valence Road	579
Welbeck Avenue	159
Wellington Street	490
Westcotes Drive	615
Westgate Road	192
Westfield Road (Letchworth to Glenfield)	285
Winchester Avenue	570
Woodstock	400
Wynfield Road	249
Total Length	30040

Appendix 6b – Secondary [Severe Weather] Gritting Network – Eastern

Secondary Gritting Network - Eastern	
Eastern Area	Length (Metres)
Aber Road	200
Abney Street	108
Albert Road	198
Alcester Drive	342
Alexandra Road	201
Andover Street	119
Asfordby Street	432
Ashfield Road	377
Ashover Road	129
Asquith Boulevard (excl. Aberdale - Shackerdale)	452
Barnes Heath Road	337
Baslow Road	128
Beal Street	61
Breners Street	526
Bodnant Avenue	366
Bonnington Road	159
Bonsall Street	219
Brent Knowle Gardens	303
Buxton Street	270
Byway Road	370
Cardinals Walk	952
Chatsworth Street	234
Chorley Wood Road	201
College Street	180
Compass Street	411
Cork Street	240
Craighill Road	488
Cromford Street	119
Crown Hills Avenue	384
Dale Street	198
Darley Street	165
Dore Road	135
Dronfield Street	269
Drumcliffe Road	286
Duffield Street	108
Eggington Street	280

Secondary Gritting Network - Eastern

Eastern Area	Length (Metres)
Englefield Road	328
Fairfield Street	302
Fieldhouse Road	88
Flatholme Road	119
Francis Street	200
Fredrick Road	198
Greenhill Road	588
Greenland Drive	187
Greystone Avenue	168
Guilford Road	481
Guthlaxton Street	301
Hammercliffe Road	122
Harringworth Road	488
Hartlington Road	289
Harwin Road	280
Herthull Road	159
Hobson Road	247
Holmfield Road	690
Homestone Road	64
Homeway Road	356
Houlditch Road	247
Howard Road	721
Kent Street	329
Keyham Close	195
Kincross Avenue	354
Kingsmead Road	436
Kinsdale Drive	403
Kirkwall Crescent	544
Laburnum Road	727
Lilac Avenue	175
Lorne Road	469
Maidstone Road (Berners - Charnwood)	125
Matlock Street	130
Midway Road	272
Murray Street	85
Normanton Road	133
Oakside Crescent	381
Orton Road	273
Park Vale Road	326
Pluto Close	278

<u>Secondary Gritting Network - Eastern</u>	
Eastern Area	Length (Metres)
Prospect Road	196
Radiant Road	199
Renfrew Road	70
Roborough Green	268
Romway Road	636
Roundhill Road	262
Rowlatts Hill Road	1385
Sackville Gardens	284
Sandown Road	198
Sandringham Road	174
Skelton Road	376
St. Leonards Road (Montague - Victoria Park)	221
Stanley Road	364
Stoneygate Road (London - Albert)	604
Tichbourne Street	132
Ulverscroft Road	573
Upper Charnwood Street	255
Vulcan Road	518
Westmeath Avenue	359
Westminster Road	368
Winslow Green	254
Withcote Avenue	563
Wood Hill	367
Woodbridge Road	415
Woodnewton Drive	449
Wreford Crescent	208
Wyndale Road	207
Total Length	32110

Appendix 6c - Total Primary and Secondary Gritting Network

<u>Primary Gritting Network - Totals</u>	
Area	Total Length (Metres)
Primary- North East	62928
Primary- North West	75440
Primary- South East	82630
Primary- South West	76142
Primary Total Length	295105

<u>Secondary Gritting Network - Totals</u>	
Secondary- Western	30040
Secondary- Eastern	32110
Secondary Total Length	62150

Appendix 7 - Footway and Pedestrian Snow Clearance Areas

City Centre Routes

ROUTE 1			
Location	From	To	Area m²
Gallowtree Gate	Clock Tower	Halford Street	2000
Total Area:			2000

ROUTE 2			
Location	From	To	Area m²
Granby Street (both sides)	Halford Street	St Georges Way	858
London Road (outside railway station)	Station Street	Conduit Street	282
Granby Street Super Crossing			100
Total Area:			1240

ROUTE 3			
Location	From	To	Area m²
Abbey Street (both sides)	Burleys Way	Belgrave Gate	776
Haymarket/Belgrave Gate (both sides)	Garden Street	Clock Tower	1624
Clock Tower			100
Garden Street (both sides)	Belgrave Gate	Lower Garden Street	308
Lower Hill Street (both sides)	Charles Street	Lee Circle	276
Total Area			3034

ROUTE 4			
Location	From	To	Area m²
Charles Street (both sides)	Belgrave Gate	Rutland Street	1944
Humberstone Gate (both sides)	Clock Tower	Rutland Street	1620
Haymarket Bus Station	All		900

ROUTE 4			
Location	From	To	Area m²
		Total Area:	4644

ROUTE 5			
Location	From	To	Area m²
Horsefair Street (both sides)	Pocklingtons Walk	Granby Street	1036
Halford Street (both sides)	Granby Street	Queen Street	1176
Millstone Lane (both sides)	Pocklingtons Walk	Friar lane	940
Newarke Street (north side)	Pocklingtons Walk	Marble Street	242
Newarke Street (south side)	Welford Road	Oxford Street	468
		Total Area:	3862

ROUTE 6			
Location	From	To	Area m²
Belvoir Street (both sides)	Welford Place	Granby Street	900
Pocklingtons Walk (both sides)	Welford Place	Horsefair Street	624
Market Street (both sides)	Welford Place	Horsefair Street	636
Bowling Green Street (both sides)	Belvoir Street	Horsefair street	612
Bishop Street (both sides)	Bowling Green Street	Granby Street	620
Every Street (full width inc. front of Town Hall)	Bishop Street	Horsefair Street	750
Rutland Street (both sides)	Charles Street	Granby Street	316
		Total Area:	4458

ROUTE 7			
Location	From	To	Area m²
Gravel Street (both sides inc. bus station forecourt)	Church Gate	Abbey Street	1060

ROUTE 7			
Location	From	To	Area m²
Burleys Way/St Margaret's Way Subway	Steps and ramp at each end of subway, adjacent to Church Gate/St Margaret's Way	480	Burleys Way/St Margaret's Way Subway
Vaughan Way footbridge	Inc. steps and ramps		150
		Total Area:	1690

ROUTE 8			
Location	From	To	Area m²
Welford Place	All (including traffic island)		612
Welford Road (both sides)	Welford Place	Regent Road	1016
Infirmary Square	All		524
Carlton Street (north side)	Oxford Street	Welford Road	232
York Road (both sides)	Oxford Street	Welford Road	760
		Total Area:	3144

ROUTE 9			
Location	From	To	Area m²
Oxford Street (Bonners Lane side)	Infirmary Square	Bonners Lane	424
Oxford Street (York Road side)	York Road	Newarke Street	312
Southgates (bus garage side)	Peacock Lane	Newarke Street	360
Bonners Lane (both sides)	Mill Lane	Oxford Street	212
Mill Lane (north west side)	Bonners Lane	Entrance to Student Union building	576
Mill Lane (south east side)	Bonners Lane	Point 106m SW of Gateway Street	424
		Total Area:	2308

ROUTE 10			
Location	From	To	Area m²
Conduit Street (railway station side)	London Road	Sparkenhoe Street	600
Dover Street (both sides)	Wellington Street	Granby Street	936
Dunkirk Street (both)	Wellington Street	Calais Hill	392
South Albion Street (both sides)	Dunkirk Street	Waterloo Way	692
East Street(both sides)	South Albion Street	London Road	480
Calais Hill (both sides)	Dunkirk Street	Granby Street	576
Waterloo Way (Albion Street side)	London Road	New Walk	630
		Total Area:	4306

ROUTE 11			
Location	From	To	Area m²
Lee Circle (both sides)	All		1600
Clarence Street (both sides)	Humberstone Gate	Lee Street	624
Yeoman Street (both sides)	Humberstone Gate	Rutland Street	852
St James Street (both sides)	Humberstone Gate	Lee Street	336
Eldon Street (both sides)	Wharf Street	Lee Street	248
Fleet Street (both sides)	Wharf Street	Lee Street	184
Wharf Street South (Eldon Street side)	Humberstone Gate	Fleet Street	374
		Total Area:	4218

ROUTE 12			
Location	From	To	Area m²
Rutland Street (both sides)	Charles Street	Queen Street	600
Queen Street (both sides)	Rutland Street	St Georges Way	1000
St Georges Street (both sides)	Charles Street	Southampton Street	836

ROUTE 12			
Location	From	To	Area m²
		Total Area:	2436

ROUTE 13			
Location	From	To	Area m²
St Nicholas Circle (City centre side)	Footbridge adjacent Jewry Wall Museum	Footbridge adjacent Castle Street	540
Applegate (school side)	Peacock Lane	Guildhall Lane	144
High Street (both sides)	St Nicholas Circle	East Gates	1524
East Gates (both sides)	High Street	Haymarket	300
Highcross Street (Freeschool La side)	High Street	Vaughan Way	338
		Total Area:	2846

ROUTE 14			
Location	From	To	Area m²
Cheapside (both sides)	East Gates	Market Place	324
Carts Lane (both sides)	High Street	Loseby Lane	180
Loseby Lane (both sides)	Carts Lane	St Martins	328
Grey Friars (both sides)	St Martins	Friar Lane	340
Berridge Street (both sides)	Friar Lane	Pocklington's Walk	180
Peacock Lane (both sides)	St Nicholas Circle	St Martins	724
St Martins (both sides)	Peacock Lane	Cank Street	400
Cank Street (both sides)	St Martins	Cheapside	656
Silver Street (both sides)	Guildhall Lane	High Street	624
Shires Lane (both sides)	Freeschool Lane	High Street	348
New Street (both sides)	Peacock Lane	Friar Lane	476

ROUTE 14			
Location	From	To	Area m²
Friar Lane (both sides)	Southgates	Market Place	1152
		Total Area:	5732

ROUTE 15			
Location	From	To	Area m²
Wellington Street (both sides)	Welford Place	Waterloo Way	1972
King Street (both sides)	Welford Place	Marlborough Street	524
Marlborough Street (both sides)	Welford Road	King Street	360
Chatham Street (both sides)	Wellington Street	Granby Street	884
Albion Street (both sides)	Belvoir Street	Chatham Street	480
		Total Area:	4220

ROUTE 16			
Location	From	To	Area m²
St Peter's Lane (both sides)	Vaughan Way	Church Gate	1388
Church Gate (both sides)	Vaughan Way	East Gates	1500
Mansfield Street (both sides)	Church Gate	Abbey Street	1000
Sandacre Street (both sides)	Mansfield Street	Gravel Street	356
New Bond Street (both sides)	East Bond Street	The Shires Shopping Centre	616
East Bond Street (both sides)	New Bond Street	Causeway Lane	248
		Total Area:	5108

ROUTE 17			
Location	From	To	Area m²
Market Place	All (start from Cheapside)		1724
Victoria Parade	All		68
Market Place Approach	All		124

ROUTE 17			
Location	From	To	Area m²
Dolphin Square	All		30
Market	Area in front of Corn Exchange steps		650
Hotel Street	Horsefair Street	Cank Street	500
		Total Area:	3096

ROUTE 18			
Location	From	To	Area m²
New Walk Centre	Walkway from A to B blocks incl. disabled parking spaces and steps area of B block		214
New Walk	Welford Place	Waterloo Way	2076
Park Street (both sides)	New Walk	Wellington Street	160
King Street (both sides)	Marlborough Street	Regent Road	988
		Total Area:	3438

ROUTE 19			
Location	From	To	Area m²
Burleys Way (Bus Station side)	Church Gate	Abbey Street	412
		Total Area:	412

DISTRICT ROUTES

ROUTE 20			
Location	From	To	Area m²
Melton Road (west side)	Ascot Road	Shaftesbury Avenue	350
Melton Road (west side)	Portsmouth Road	Loughborough Road	360
Belgrave Road (west side)	Wand Street	Garfield Street	686
Belgrave Road (east side)	Cossington Street	Dorset Street	750
Bellholme Close (both sides)	Checketts Road	Cul-de-sac	608
		Total Area:	2754

ROUTE 21			
Location	From	To	Area m²
Brighton Road (south side)	Hastings Road	Northfield Community Centre	350
Overton Road Shops	Uppingham Road	Frisby Road	352
Woodgreen Road Shops			120
ROUTE 21			
Location	From	To	Area m²
Gipsy Lane (north side)	Barkby Road	No. 146	160
Gipsy Lane (north side)	No. 106	No. 112	100
Gipsy Lane (north side)	No. 94	No. 86	90
Barkby Road Shops	Wyvern Avenue	No. 52	120
Lockerbie Avenue	Shopping area		128
Melton Road (west side) Service Road	Lanesborough Road	No. 288	152
Melton Road (west side)	Woodbridge Road	Ascot Road	338
Melton Road (east side)	Garage opposite Sandringham Ave.	Broadhurst Street	1312
Melton Road (east side)	Down Street	Cossington Street	296
		Total Area:	3518

ROUTE 22			
Location	From	To	Area m²
Grantham Road (both sides including footbridges and paths)	Armadale Drive	St. Marys Avenue	1970
Keyham Lane	Outside and opposite High Leas School		366
Keyham Lane West	Outside and opposite Hamilton Community College		730
Brook Road (both sides)	Scraptoft Lane	Thurncourt Road	1920
New Romney Cres. Schools	Outside and opposite school junction Netherhall Road and New Romney Cres.		1462
		Total Area:	6448

ROUTE 23			
Location	From	To	Area m²
Narborough Road (South East Side)	Braunstone Gate	Haddenham Road	2270
Imperial Avenue (South West Side)	Narborough Road	Braunstone Avenue	1046
		Total Area:	3316

ROUTE 24			
Location	From	To	Area m²
Braunstone Gate (both sides)	Duns Lane	Narborough Road	1014
Narborough Road (north west side)	Braunstone Gate	Imperial Avenue	2054
King Richards Road (north side)	Fosse Road North	Kate Street	580
Glenfield Road East (north side)	Fosse Road North	Kate Street	1160
		Total Area:	4808

ROUTE 25			
Location	From	To	Area m²
Sturdee Road (south side)	Hillsborough Road	Glenhills Way	2158
Sturdee Road (north side)	Allenwood Road	Glenhills Way	2530
Garnett Crescent (both sides)	Ebchester Road	Sturdee Road	982
The Exchange	Shopping Centre only		382
		Total Area:	6052

ROUTE 26			
Location	From	To	Area m²
Burnaston Road (both sides)	Saffron Lane	Aylestone Drive	1100
Alton road (both sides)	Wigston Lane	Burnaston Road	1058
Bradston Road (both sides)	Alton Road	Cul-de-sac	340
Bretby Road (both sides)	Burnaston Road	Cul-de-sac	700

ROUTE 26			
Location	From	To	Area m²
Cranfield Road (both sides)	Burnaston Road	Belvoir Drive East	1140
Saffron Lane (west side)	Shops No. 635	Shops No. 627	38
	Shops No. 587	Burnaston Road	288
Wigston Lane	Bridevale Road	Montrose School Entrance	940
		Total Area:	5604

ROUTE 27			
Location	From	To	Area m²
Evington Road (both sides)	London Road	East Park Road	1900
East Park Road (west side)	Evington Road	Gwendolin Road	1386
Welford Road (west side)	Knighton Fields Road East	No. 487	176
Saffron Lane (west side)	Clifton Road	No. 205	150
Saffron lane (east side)	Sheridan Street	No. 216	162
		Total Area:	3774

ROUTE 28			
Location	From	To	Area m²
London Road (north east side)	Conduit Street	Prebend Street	256
London Road (north east side)	Saxby Street	Mill Hill Lane	426
Highfields Street (north west side)	London Road	Gotham Street	176
Highfields Street (south east side)	London Road	Mandora Lane	126
London Road (south west side)	No. 165	No. 153	96
London Road (south west side)	University Road	Nelson Street	626
London Road (south west side)	East Street	Waterloo Way	340

ROUTE 28			
Location	From	To	Area m²
Welford Road (north east side)	Avenue Road Extension	Stanfell Road	362
Welford Road (south west side)	Westbury Road	No. 443 next to garage adjacent to Knighton Fields Road East	1026
Avenue Road (Slip Road)	Avenue Road	Vernon House	400
		Total Area:	3874

ROUTE 29			
Location	From	To	Area m²
Allandale Road	Shop fronts		368
Francis Street	Shop fronts		200
Ethel Road/Clovelly Road	Shopping Precinct (Waitrose)		400
Rowletts Hill Road (south east side)	Ambassador Road	Community Centre	190
Ambassador Road (south side)	Shops Wicklow Drive junction		100
Newhaven Road (north side)	Marydene Drive	Swinstead Road	1426
St Swithins Road (both sides)	Uppingham Road	Wintersdale Road	624
Downing Drive	Shops – Welland Vale Road		176
		Total Area:	3484

ROUTE 30			
Location	From	To	Area m²
Jean Drive (both sides)	St Helens Drive	Anstey Lane	646
Anstey Lane (north east side)	Great Meadow Road	Roydene Crescent	620
Blackbird Road shops (service road)	Groby Road	Buckminster Road	80
Groby Road shops (north side)	Blackbird Road	No. 20	126
Fosse Road North (east side)	Tudor Road	Battenburg Road	462

ROUTE 30			
Location	From	To	Area m²
Wyngate Drive	Shops near junction with Braunstone Avenue		70
Fosse Road South (west side)	Shops corner Hinckley Road	Linkway Gardens	312
Woodgate (south side)	Balfour Street	O/S library, junction of Dunton Street	300
Home Farm Shopping Precinct	Include steps from Strasbourg Drive into car park & path across car park to shops		1518
Barley Croft Shops			318
Great Meadow Road (both sides)	Anstey Lane	Goddards Close	1000
		Total Area:	5452

ROUTE 31			
Location	From	To	Area m²
Malabar Road	Outside shops (32-48)		375
Uppingham Road (south side)	Quorn Street	St. Barnabas Road	574
East Park Road (south east side)	No. 108	St Saviours Road	338
East Park Road (north west side)	Nottingham Road	St Saviours Road	138
St Saviours Road (north east side)	No. 392	No. 288	126
St Saviours Road (south west side)	Orson Street	Dorothy Road	360
Green Lane Road (north side)	No. 210	Lancaster Street	50
Green Lane Road (north side)	Mornington Street	No. 144	564
Green Lane Road (south side)	Lancaster Street	No. 109	512
Green Lane Road (south side)	Asfordby Street	Baggrave Street	90
Melbourne Road Shopping Centre Precinct			280
St Stephens Road	Shops only		238
		Total Area:	3648

ROUTE 32			
Location	From	To	Area m²
Hinckley Road (south side)	Narborough Road junction	Livingstone Street	532
Hinckley Road (north side)	Andrewes Street	Fosse Road Central	376
Hinckley Road (north side)	Kirby Road	Mostyn Street	368
Linkway Gardens	Fosse Road South	Cul-de-sac	438
		Total Area:	1714

ROUTE 33			
Location	From	To	Area m²
Evington Road (south side)	Conway Road	Beckingham Road	650
Evington Road (north side)	No. 190, near Kedlestone Road	Evington Place	616
New Walk & Upper New Walk	Welford Place	Granville Road	1158
		Total Area:	2424

Total Footpath and Pedestrian Snow Clearance Area is 118,706 m²

Appendix 8 – Grit Bin Locations

Street Name	Location	Comments	Postcode
Adderley Road	Junction of Adderley Road and Howard Road	New 2012	LE2 1
Aikman Avenue	Junction of Lindfield Road		
Aikman Avenue	Junction New Parks Way on grass verge		LE3 9
Ainsdale Road	Junction Kingswood	New 2010	LE3 0
Ainsdale Road	Top of hill at the junction of Dorchester Road		LE3 0
Albion Street	Near no. 29	New 2013	LE1 6
Allerton Drive	Opposite No. 4, by brick wall		LE3 9
Allextion Gardens	Corner with Bringham Road	New 2010	LE3 6
Alvecote Road	Montrose Road Open Space	New 2015	LE2
Amadis Road	On the hill	New 2012	LE4 1
Amanda Road	On the hill	New 2012	LE2 9
Amersham Road	Jean Drive junction	New 2012	LE4 0
Ampleford Lane	Near no.1		LE5 1
Anstey Lane	Junction Avebury Avenue on footway		LE4 0
Apollo Close	Next to St Peter's Ball Court		
Asfordby Street	Junction with Atkinson Street		
Asfordby Street	Junction Atkinson Street		LE5 3
Asha Margh	Outside Asra House car park opposite Apnaghar	New 2012	LE4 5
Ashdown Avenue	Outside 17	New 2015	LE3
Ashtree Road	Grass area at the top of the hill		LE5 1
Astill Lodge Road	Against rear wall of 2 Beacon Close		LE4 1
Aston Hill	Outside number 2 at the back of footway, junction with Knighton Lane East		LE2 6
Atlas Close	Junction of Maidstone Road		
Audley End	OAP bungalows	New 2012	LE3 1
Avebury Avenue	Opposite Rockley Road, top of hill on footway		LE4 0
Avenue Road	On the entrance to the slip road		LE2 3
Avenue Road	on Slip road at bottom of dead end		LE2 3
Averil Road	Towards town	New 2012	LE5 2
Avoca Close	Opposite 4	New 2015	LE5
Avonside Drive	Halfway up the hill at the rear the footway to flats 77-99		LE5 4
Aylestone Road	Outside Granby Primary School	New 2015	

Street Name	Location	Comments	Postcode
Aylmer Road	Outside shops	New 2012	LE3 1
Aysgarth Road	Outside number 1		LE3 0
Baggrave Street	Junction of Baggrave Street and Nottingham Road	New 2012	LE5 3
Balcombe Avenue	Lamp no. 3		LE3 6
Balderstone Close	By post 6		LE5 4
Balderstone Close	Outside Rowlatts Primary School	New 2015	LE5
Balderstone Close	Outside 65		
Balderstone Close	Outside 26		
Bank Road / Middlesex Road	Opposite 46	New 2015	LE2
Barbara Avenue	Outside 47 at junction with Parkway	New 2012	LE5 2
Barfoot Road	Opposite 13 Littlegarth	New 2015	LE2
Barkby Road	Junction with Gypsy Lane	New 2015	LE2
Barnes Heath Road	Opposite No. 3 at corner Coleman (Service) Road		LE5 4
Battenburg Road	Outside 36	New 2015	LE3
Belvoir Drive	Junction with Aylestone Road		
Belvoir Drive	Opposite number 60	New 2015	LE2 8
Benbow Rise	Junction with Butterfield Close	New 2012	LE3 1
Benscliffe Bungalows	Near houses on public Highway not HHA	New 2012	LE2 9
Bentinghouse Road	Junction with Camfield Rise	New 2012	LE2 9
Bishopdale Road	Footway against fence between 46/48		LE4 0
Blackbird Road	Junction Parker Drive on footway		LE4 0
Blackthorn Drive	Junction with Astill Lodge Road	New 2012	LE4 1
Blaydon Close	Paved area adjacent to No. 4		LE3 0
Blue Gates Road	Next to lamp column 4	New 2012	LE4 1
Bluebell Drive	Junction with Poppy Drive	New 2015	LE2
Bonchurch Street	Junction with Marshall Street	New 2015	LE3
Bonney Road	On Island near the chippy		LE3 9
Bonsall Street	Junction with Cork Street	New 2012	LE5 5
Booth Close	Outside 25		
Bowhill Grove	On grass area outside No. 66		LE5 2
Bowling Green Street	Inside Town Hall		LE1 6

Street Name	Location	Comments	Postcode
Braunstone Avenue	Grass verge o/s church, junction Wyngate Drive		LE3 0
Brighton Road	Northfield Community Centre	New 2015	LE5
Briton Street	Bottom end near Bede Park	New 2012	LE3 0
Broad Avenue	Opposite St. Saviours Road on the footway opposite number 96		LE5 4
Brompton Road	Opposite Foxtan Road		LE5 1
Broombrigg Road	Corner of Kinchley Road	New 2015	LE2
Broughton Road	Facing North End Close	New 2012	LE2 6
Buckingham Drive	Side of 81 Lutterworth Road, 25m from junction		LE2 8
Burdock Close	Opposite side of road from No. 6		LE5 1
Burns Street	Side of 166 Knighton Fields Road East		LE2 6
Byford Road	Junction with Eggerton Avenue		
Calder Road	Side of No. 2 at end of footway		LE4 0
Canonsleigh Road	Junction Robertsbridge Avenue on footway		LE4 2
Canonsleigh Road	Outside 13		
Cantrell Road	Outside shops / WMC	New 2012	LE3 1
Cara Close	On Grass Verge		LE2 3
Catherine Street	Junction with Gipsy Lane		
Celandine Road	Opposite 16	New 2015	LE5
Chancel Road	In front of playing fields.	New location 01/09	LE4 2
Charlock Road	Next to green cable box near No. 7		LE5 1
Checketts Road	Outside Mellor Primary School		
Cherryleas Drive	Top of hill – grass area side of garages		LE3 0
Chestnut Avenue	Outside 133 Keyham Lane	New 2012	LE5 1
Churchward Avenue	Junction Peppercorn Close, by road sign		LE4 0
Coleman Road	Grass verge (Service Road) No. 286		LE5 4
Colin Gurdy Drive	In Gateway School near bridge		LE5 1
Comet Close	Junction of Comet Close and Samson Road	New 2013	LE3 9
Commercial Square	3 grit bins around the square	New 2018	
Conalgen Road	Outside 56	New 2015	LE2

Street Name	Location	Comments	Postcode
Cooden Avenue	Junction of Braunstone Avenue on footway		LE3 0
Coral Street	Melton Road end	New 2012	LE4 5
Cork Street	Junction with Mere Road		
Covett Way	At the top	New 2012	LE3 6
Cranesbill Road	Next to lamp column 2		LE5 1
Crawford Close	Next to lamp column 4		LE3 9
Crophorne Avenue	8.0m down the hill from lamp column number 3, on the footway		LE5 4
Crown Hills Rise	Outside number 4	New 2012	LE5 5
Culham Avenue			
Daneshill Road	At end of cul-de sac		LE3 6
Darlington Road	Junction Blakett Avenue on grass verge		LE3 9
Darlington Road	Junction Groby Road on grass verge		LE3 9
Dean Road	Junction with Gayton Avenue	New 2012	LE4 6
Dersingham Road	Junction with Norwich Road	New 2012	LE4 0
Dillion Road	Bungalows by Dillon Way	New 2010	LE3 9
Donaldson Road	On footway at end of cul-de-sac opposite garages		LE4 6
Dovedale Road	Junction with Freemantle Road	New 2015	LE2
Drumcliffe Road	Kinross Avenue junction		LE5 2
Dudley Close	Opposite Dudley House		LE5 2
Dulverton Road	In front of 92	New 2012	LE3 0
Duncombe Road	Outside number 23	New 2012	LE3 9
Dunlin Road	On opposite side of the road to number 17/18 at back of wide footway area in front of grass		LE5 3
Dunton Street	Junction with Central Road	New 2015	LE3
Earl Howe St	Footway between 1 and 1A		
East Park Road	Junction St Peters Road on footway		LE5 5
East Park Road	Opposite shops	New 2015	LE5
Ellwood Close	Outside 23 / junction of Elwood Close and Woodborough Road	New 2012	LE5 4
Essex Road	Junction with Fairfax Road	New 2015	LE5
Ethel Road	Opposite Headland Road on grass verge		LE5 4
Evington Lane	Junction with Highway Road to the left-hand side of Highway Road sign		LE5 5
Fairfax Road	Junction with Edgehill Road	New 2015	LE5
Falconer Crescent	Top of Battersbee Road		LE3 6
Farrier Lane	Opposite number 35	New 2012	LE4 0

Street Name	Location	Comments	Postcode
Fencote Road	Junction Brompton Road		LE5 1
Fineshade Avenue	Junction Stoneleigh Way		LE3 9
Fineshade Avenue	Side of 22		
Foxcroft Close	Junction with Holmfield Avenue		
Foxholes Road	Left hand side	New 2010	LE3 1
Franklyn Road	Near Morban Road on footway		LE2 8
Frederick Road	Near St Saviour's Road	New 2012	LE5 3
Frisby Road	Outside Spinney Hills Club Area	New 2015	LE5
Galaxy Walk	On public Highway not HHA	New 2012	LE2 0
Gallards Hill	Above underpass	New 2012	LE3 1
Gamel Road	By shops	New 2015	LE5
Gilliver Street	Opposite No. 15		LE2 3
Gilmorton Avenue	Rear of 113 Lutterworth Road		
Gilmorton Avenue	Hopyard Close shops / Gilmore Close Corner		LE2 9
Gipsy Lane	Opposite Lidl	New 2015	LE4
Gipsy Lane	Outside temple	New 2015	LE4
Glaisdale Close	Grass verge at end of cul-de-sac		LE4 0
Gleneagles Ave	Outside Soar Valley college	New 2015	
Glenfield Road	Centre reservation opposite Ambrose Close		LE3 6
Goldhill	Opposite Elmwood Row junction	New 2015	LE2
Goodwood Road	Opposite Ambassador Road on verge left hand side of lamp column number 22		LE5 6
Granby Street	Near super crossing		LE1 6
Green Lane Road	Junction with Bridge Road	New 2015	LE5
Green Lane Road	Junction with Harwood Street	New 2015	LE5
Green Walk	Near entrance to garages adjacent to No. 1		LE3 6
Greenlane Close	On grass verge		LE5 4
Greystoke Close	On footway by garages		LE4 2
Groby Road	Footpath side of 177 (Access via side 22 Fineshade Avenue)		LE3 9
Guthridge Crescent	At the junction with Imperial Ave outside number 21, between the last two bollards on the footway		LE3 1
Gwendolen Road	Junction Broad Avenue		LE5 5
Hadrian Road	OAP bungalows	New 2012	LE4 2
Halifax Drive	Junction Kinley Road		LE4 2
Harebell Close	Next to lamp column 2		LE5 1

Street Name	Location	Comments	Postcode
Harrison Road	Halkin Street junction	New 2015	LE4
Harrison Road	Near Football Club		LE4 6
Harrison Road	Outside Sikh Temple	New 2015	LE4
Harrowden Rise	Outside numbers 13 to 18 Harrowden Court right hand side of lamp column number 2		LE5 4
Hartington Road	Between No. 2 and No. 4 garage on footway		LE2 0
Hartington Road	Junction with Vulcan Road		LE2 0
Hastings Road	Outside shops	New 2015	LE4
Hatherleigh Road	Outside number 18 in cul-de-sac, left hand side of lamp column number 11		LE5 5
Havencrest Road	Between numbers 8 and 14	New 2012	LE5 2
Haymarket Car Park	Near entrance		LE1 3
Haynes Road	Junction with Uppingham Road		
Hazelbank Close	Near to garages		LE4 0
Heacham Drive	Opposite Burnham Drive, near 67 Heacham Drive		LE4 0
Headland Road	Corner with Hextall Road	New 2015	LE5
Heathley Park Drive	On junction with Brahman Close and Dunconbe Road	New 2015	LE2
Heathley Park Drive	Opposite No. 8, by green boxes		LE3 9
Helena Crescent	Outside 25-27		
Henton Road	Opposite 67		
Henton Street	Opposite 65	New 2015	LE3
Herle Walk	Alongside odd numbers	New 2012	LE3 1
Herongate Road	Opposite Moreton Road	New 2015	LE5
Herrick Primary School	Outside school entrance	New 2015	LE2
Higgs Close	Between car park entrance and boundary of number 5 at back of footway		LE5 4
Highgrove Crescent	Opposite number 9	New 2012	LE2 8
Highway Road	Junction with Evington Lane outside 4 Highway Road		
Hillcroft Road	Junction Crown Hills Rise on footway		LE5 5
Hilsborough Close	Near houses on public Highway not HHA	New 2012	LE2 9

Street Name	Location	Comments	Postcode
Hogarth Road	Opposite number 1 and 3	New 2012	LE4 2
Hollowtree Road	Next to lamp column 19		LE5 1
Hollowtree Road	On Blocked paved circle outside 16		
Hollybush Close	Opposite 5	New 2012	LE5 2
Homemead Avenue	Halfway up hill on footway		LE4 0
Homeway Road	Outside 21	New 2015	LE5
Hopyard Close	By the shops	New 2015	LE2
Hornby Road	Near junction with Sandhills		LE5 1
Howard Road	Junction with Adderley Rd	New 2012	LE2 1
Hutchinson Street	Depot		LE2 0
Illingworth Road	Outside number 18	New 2012	LE5 4
Imperial Avenue	Junction with Guthridge Crescent shops		
Imperial Avenue	Junction with Canterbury Terrace	New 2012	LE3 1
Infirmery Square	By Gents WC		LE1 5
Ingold Avenue	Opposite No.12 on grass verge		LE4 2
Jasmine Close	Opposite number 3	New 2015	LE5
Jean Drive	Junction St Helens Drive		LE4 0
Judith Drive / Susan Avenue	Near schools	New 2012	LE5 6
Julian Road	Outside number 5	New 2015	LE2
Kate Street	Opposite 133-137	New 2015	LE3
Kegworth Avenue	Corner with Broad Avenue	New 2012	LE5 4
Kerrial Gardens	On Grass		LE3 6
Keyham Lane	Grass area on Hungerton Boulevard		LE5 1
Kilmelford Close	Cul-de-sac	New 2012	LE4 7
Kilverstone Avenue	Near Newhave Road	New 2013	LE5 4
Kincaple Road	Opposite number 55 and 57	New 2012	LE4 7
Kinchley Road	Junction with Broombrigg Road		
Kingswood Avenue	Junction Dorchester Road near hill	New 2012	LE3 0
Kinley Road	Junction Chilcombe Close		LE4 2
Kinross Avenue	Junction of Roborough Road and Kinross Avenue	New 2012	LE5 2
Kirby Road	Outside the Church		LE3 6
Kitchener Road	Junction with Smith Dorrien Road	New 2015	LE4
Knighton Fields Road East	At Burns Street junction, side of 166 Knighton Fields Road East		LE2 7
Lady Hay Road	Junction with Strathern Road	New 2012	LE3 9
Lancing Avenue	Cul-de-sac	New 2012	LE3 6
Landsdowne Road	Aylestone Road end	New 2012	LE2 8
Lansborough Road	Outside shopping area	New 2015	LE4

Street Name	Location	Comments	Postcode
Laverton Road	Junction with Maidenwell Avenue		
Letchworth Road	Junction Westfield Road outside Church on footway		LE3 6
Letchworth Road	Junction Wynfield Road by name plate on grass verge		LE3 6
Liberty Road	Junction with Bursdon Close		
Linkway Gardens	Top of hill- grass area side of garages		LE3 0
Linney Road	On grass between 175 & 177		LE4 0
Linney Road	Outside flat number 9-11		LE4 0
Littlejohn Road	In Working club car park	New 2015	LE2
Lockerbie Walk	Outside Rushymead Library	New 2015	LE4
Lodge Farm Road	Junction with Wintersdale Road		LE5 2
Lombardy Rise	Outside No.7 near shrub area on footway		LE5 0
Lomond Crescent	Side of 105 Heacham Drive	New 01/09	LE4 0
London Road	Corner Station Street on paved area		LE2 0
London Road	Outside Islamic centre		LE2 2
Longstone Green	On path adjacent to No.24		LE5 2
Lords Avenue	Junction with Taverners Road	New 2012	LE4 2
Lorraine Road	Junction with Belmont Street	New 2012	LE2 8
Lower Keyham Lane	Adjacent to 37-40		LE5 1
Lutterworth Road	Junction Middleton Street	New 2010	LE2 8
Maidenwell Avenue	Near to Primary school on corner		LE5 1
Maidenwell Avenue	Near Wainwright Avenue		
Main Street (Evington)	Next to Mark Jarvis		
Mallow Close	Next to lamp column 5		LE5 1
Market Place	Opposite Betfred		
Market Place	Adjacent to Corn Exchange steps		LE1 5
Marsden Lane	Opposite garage junction with Lutterworth Road	New 2012	LE2 8
Marsden Lane	Outside 81		
Marsden Lane	Marsden Lane Car Park		
Marsden Lane	Opposite Garage		
Marshall Street	Opposite number 80	New 2015	LE3
Martin Street	Near 235-260	New 2012	LE4 6
Martival	Outside 72	New 2012	LE5 0
Marvin Close	Top of steps, opposite 25, tespa band to railings		LE3 9

Street Name	Location	Comments	Postcode
Marydene Drive	Opposite 36/38	New 2015	LE5
Mavis Avenue	Near junction	New 2015	LE3
Meadhurst Road	Outside 28		LE3 6
Mellor Primary School	Outside Entrance	New 2015	LE4
Mercury Close	Junction with Guthlaxon Street	New 2012	LE2 0
Mere Road	Near Berners Street		LE5 3
Mere Road	Near Ashbourne Street		LE5 3
Mere Road	Junction Earl Howe Street		LE5 3
Mere Road	Opposite Darley Street		LE5 3
Mere Road	Junction with Park Vale Rd		
Mere Road	Opposite No. 72 at junction Wood Hill on footway		LE5 3
Middlesex Road	Opposite 46 Bank Road	New 2015	LE2
Middlesex Road	Opposite 1 Berkshire Road		
Milton Crescent	Junction with Calverhay Rd		LE
Moat Road	Near to the school / shops	New 2012	LE5 5
Modbury Avenue	At head of cul-de-sac on grass verge, side of lamp column number 6		LE4 2
Monar Close	Junction with Kincaple Rd		
Monsell Drive	50 Yards from Lutterworth Road on footway		LE2 8
Montrose Road South	Junction of Matts Road		
Morban Road	Outside number 2	New 2012	LE2 8
Mossgate	Cul-de-sac	New 2012	LE3 9
Mostyn Street	Junction with Denton Street	New 2015	LE3
Moulton Road	On grass verge near 35		LE5 1
Mount Road	Outside number 39	New 2012	LE5 3
Mount Road	Junction with St Saviours Road		
Mowmacre Hill	Near junction with Oakenshaw Close	New 2012	LE4 2
Mundsley Road	Junction with Bessington	New 2015	LE3
Munnings Close	On grass verge outside No. 23		LE4 6
Narrow Lane	Junction Sanvey Lane on Footway		LE2 8
Nedham Street	Junction Hartington Road and Florence Road		LE2 0
Neville Road	Outside 18-20	New 2015	LE3
New Romney Close	Junction New Romney Crescent		LE5 1
New Walk Centre	At car park entrance, Marlborough Street		LE1 6
Noble Street	Junction with Flora Street	New 2015	LE3
Norwood Road	Near Evington Lane junction	New 2012	LE5 5

Street Name	Location	Comments	Postcode
Oakenshaw Close	Near junction with Thurcaston Road		
Oakenshaw Close	Bin is located on close	New 2015	LE4
Oban Street	Outside 50	New 2015	LE3
Okehampton Avenue	Outside No 24, left hand side of street nameplate		LE5
Oronsay Road	Grass area on main road, adjacent vehicle access to flats 7-19	New location requested for 2007/08 service period.	LE4 0
Outwood Close	Near number 27	New 2013	LE3 6
Oxon Way	Junction with Harrowden Rise on the verge opp 9 Sandford Ct next to fence		LE5 4
Pamela Place	Outside 7-8		LE4 2
Parkhill Drive	Junction Aylestone Road		LE2 8
Pauline Avenue	Opposite number 2	New 2012	LE4 7
Pauline Avenue	Junction with Bath Street		
Peacock Lane	Outside St Martin House		
Pendlebury Drive	Near the park number 147-153	New 2012	LE2 6
Peters Drive	Outside 46	New 2012	LE5 2
Piccaver Rise	Junction with Sharmon Close	New 2012	LE3 6
Pickhill Road	Near roundabout		LE5 1
Pipers Way	On Verge near number 1		LE3 6
Pitchens Close	Bottom of Hill adjacent 46/47		LE4 1
Plymstock Close	At end on verge outside 23	New location 02/06	LE3 6
Polebrook Close	End of the road	New 2012	LE3 9
Pool Road	Outside 75	New 2015	LE3
Pope Street	Adjacent to entrance to Centre for Arts in Education		LE2 6
Prospect Hill	On Sylvan Avenue junction	New 2015	LE4
Prospect Hill	At rear side of No.14 by planting area on Granby Avenue		LE5 3
Radiant Road	Junction with Sextant Road		
Radstone Walk	Outside shops	New 2012	LE5 4
Radstone Walk	Opposite 51-83		

Street Name	Location	Comments	Postcode
Rannoch Close	Rear of No 62 at end of footway		LE4 0
Ranton Way	Outside 25		LE3 9
Raven Road	Outside shops	New 2012	LE3 1
Rayleigh Green	On Green Opposite No.28/30		LE5 1
Richmond Close	Opposite number 2	New 2012	LE2 8
Ridgway Road	End of road at the junction with Shirley Road	New 2012	LE2 3
Robin Close	On left hand side as you drive in	New 2015	LE2
Ross Walk	Opposite 30	New 2012	LE4 5
Rosshill Crescent	At side of No. 16/18 on grass verge near footway		LE5 2
Roundhill Road	Outside 14	New 2012	LE5 5
Rowan Street	Outside number 1 junction with Beatrice Road	New 2015	LE3
Rowlatts Hill Road	Rear of 27 Wicklow Drive		LE5 4
Rowlatts Hill Road	4.0m from the left hand side of B.T. box at the rear of the footway		LE5 4
Rowlatts Hill Road	Opposite Radstone Walk on grass verge		LE5 4
Roydene Crescent	By entrance to electricity sub-station		LE4 0
Rushford Drive	Opposite 9	New 2012	LE4 9
Rutland Avenue	Bottom of cul-de-sac		LE2 7
Rye Close Bungalows	Near houses on public Highway not HHA	New 2012	LE2 9
Sackville Gardens	Outside No. 9		LE2 3
Saffron Lane	Outside No 140 and sports stadium		LE2 7
Samson Road	Opposite No. 18 on old seating site		LE3 9
Sandhills Avenue	Opposite Thornborough Way		LE5 1
Sandhills Avenue	Opposite Shipton Road		LE5 1
Sandhurst Close	At end of cul-de-sac on footway against garage wall near No.26		LE3 6
Sandhurst Road	At junction with Pool Road on corner at back of footway (garage side)		LE3 9
Sandpiper Close	Outside No. 10 on grass verge near footway	Moved to opp 43 on grass verge on 10/09/08.	LE5 3

Street Name	Location	Comments	Postcode
Scalpay Close	Opposite 43 on grass verge		LE4 0
Scott Street	Near Millgate School	New 2012	LE2 6
Sextant Road	Halfway down on the left		LE5 2
Sextant Road	At front of No.63 on grass verge	New 2010	LE5 2
Shackleton Street	Junction with Woodboy Street		
Shady Lane	On grass verge below Stoughton Lane		LE5 6
Shaftesbury Road	Near the infant school	New 2012	LE3 0
Shanti Margh	End of the cul-de-sac	New 2012	LE4 6
Sharmon Crescent	At the end of the cul-de sac on the footway to the right or left hand side of lamp column number 2		LE3 6
Shelbourne Street	Land at side of No. 11		LE5 3
Shelly Street	Junction with Herrick Road	New 2012	LE2 6
Shire Close	Outside 24	New 2012	LE3 6
Sidmouth Avenue	At the end of the cul-de sac on the footway to the right or left hand side of lamp column number 2		LE5 4
Skelton Drive	Outside number 77 at the junction with Shrewsbury Ave		LE2 6
Smith Dorrien Road	Next to mosque	New 2015	LE3
Snow Hill	Opposite nos 4-5		LE4 0
Southey Close	On grass verge opposite No. 42		LE4 6
Speedwell Drive	Next to lamp column 4 on rough ground		LE5 1
Spendlow Gardens	Opposite number 4	New 2015	LE2
Spinney Hills Road	Behind Merlyn Vaz car park	New 2015	LE5
Springway Close	Outside no.1		LE5 2
St Austell Road	On grass verge	New 2012	LE5 2
St Barnabas Road	Next to Hindu Temple	New 2015	
St Denys Road	Near to No. 66		LE5 2
St Margaret's Bus Station	Within station boundary		LE1 3
St Margaret's Bus Station	Within station boundary	New 2010	LE1 3
St Margaret's Bus Station	Within station boundary	New 2010	
St Margaret's Way	Footpath at entrance to car park		LE4 0
St Mellion Close	On grass verge	New 2012	LE4 1
St Nicholas Place	Opposite Radio Leicester		LE1 4
St Saviours Road	Outside No. 23 on grass verge near footway		LE5 3

Street Name	Location	Comments	Postcode
St Saviours Road	Junction with Prospect Hill	New 2015	LE4
Stanley Drive	Adjacent to 66 Scraftoft Lane	New 2012	LE5 1
Stanley Road	Junction of Kimberley Road	New 2012	LE2 1
Stoneleigh Way	Junction Fineshade Avenue on grass verge		LE3 9
Stoneygate Road	Outside number 3, Blossoms Day Nursery back of the footway to left of lamp column number 3		LE2 2
Stornaway Road	Cross Keys Green junction	New 2012	LE5 2
Stoughton Drive	Junction with Gartree Road on island to the right hand side of lamp column number 29		LE5 6
Stoughton Drive	Near Evington lane on grass verge near lamp 2		LE5 6
Stoughton Lane	100m from Shady Lane on verge opposite the junction with Rectory Gardens		LE2 2
Stoughton Street	Near Library		
Stretton Road	At the end of the cul-de sac		LE3 6
Sturdee Road	Outside Eyres Mosall Community Centre		
Sudeley Avenue	Side No. 1 Egerton Avenue		LE4 0
Sutton Road	Junction of Great Arler Road. Outside 87 Great Arler Road	New 2012	LE2 6
Swain Street	Footway near railway bridge, against wall on footpath		LE1 1
Swallowdale Drive	Next to number 2	New 2012	LE4 1
Swannington Road	Outside 25	New 2015	LE3
Tavistock Drive	Junction Colebrook Close		LE5 5
Tavistock Drive	Opposite Hatherleigh Road on grass verge		LE5 5
Tavistock Drive	Grass area opposite 2		LE5 5
Tetuan Road	Edge of footway outside No. 74		LE3 9
The Approach	Back edge of footway between Nos. 19-21		LE5 5
The Exchange	In the pedestrian shopping area		LE2 9
The Langhill	Junction with Coleman Road	New 2010	LE5 4
The Wayne Way	Junction with Rowlatts Hill Road	New 2015	LE5
Thornborough Way	Outside School		LE5 1
Thurcaston Road (Mowmacre Hill)	Opposite junction Oakenshaw Close		LE4 2
Thurlow Road	Bottom of the cul-de-sac		LE2 1

Street Name	Location	Comments	Postcode
Thurmaston Lane	Below cottages top of hill from Gipsy Lane, on grass verge		LE5 0
Thurncourt Road	Near shops	New 2012	LE5 2
Thurncourt Road	Near number 143		
Tilling Road	Next to litter bin at top of steps to Home Farm shopping centre		LE4 0
Torridon Close	Side No. 1		LE4 0
Torridon Close	Bottom of cul-de-sac		
Trevino Drive	Junction with Lema Close	New 2015	LE5
Tudor Road	King Richard's Road end	New 2012	LE3 5
Tuskar Road	Grass verge on left hand side		LE5 2
Tyrell Street	Opposite number 1 Tyrell Street	New 2012	LE3 5
Uppingham Road	Opposite Spencefield Lane on grass verge		LE5 2
Uppingham Road	Junction with Haynes Road	New 2015	LE5
Uppingham Road	Junction Scraftoft Lane on triangle between Tennis Court Drive and Pine Tree Avenue		LE5 4
Uppingham Road	Junction Colchester Road near seat		LE5 6
Uppingham Road	Next to Sparrow Park	New 2015	
Vostock Close	Next to 2	New 2012	LE2 0
Vulcan Road	Junction Hartington Road near seat		LE5 3
Wainwright Avenue	Near junction with Carrington Rd		LE
Wakerley Road	Halfway up hill from Ethel Road on grass verge		LE5 6
Waldale Drive	Junction Albert Road on footway		LE2 2
Warwick Street	Junction with Dannel Street	New 2015	LE3
Welland Vale Road	Top end of the road and bottom end of the road	New 2015	LE5
Wellington Street	At its junction with Dover St on corner opposite number 72, The Pick Building, at the back of the footway		LE1 6
Wentworth Road	Near Fosse Park	New 2012	LE3 9
Wessex Drive	On grass verge outside 43	New 2013	LE3 6
Westfield Road	Outside No 148 on grass verge		LE3 6
Wicklow Drive	Outside 197-199	New 2013	LE5 6
Wicklow Drive	Outside 109		LE5
Wicklow Drive	Opposite number 4 Avoca Close		

Street Name	Location	Comments	Postcode
Wigston Lane	Opposite No. 133 on footway		LE2 8
Willowbrook Road	Junction with Galby Street	New 2015	LE3
Wiltshire Road	On the boundary of John 'O' Gaunt pub grounds and 18 Wiltshire Road	New location 02/06	LE4 0
Wimborne Road	Up the hill	New 2012	LE2 3
Winchester Avenue	Outside number 151 at the back of the footway against wall		LE3 1
Wintersdale Road	Opposite no.16		LE5 2
Wintersdale Road	Opposite No 107 next to footpath entrance		LE5 2
Wintersdale Road	Next to lamp column 32 near house number 206		LE5 2
Woodborough Road	Entrance to the hospital	New 2015	LE5
Woodborough Road	At the junction with Ellwood Close on the grass verge to the left hand side of lamp column number 10		LE5 4
Woodboy Street	Towards Belgrave Gate	New 2012	LE1 3
Woodbridge Road	Outside Sure Start Centre	New 2015	LE4
Woodhill	Opposite 72	New 2015	LE4
Woodhill	Midway up hill		LE5 3
Woodnewton Drive	On grass verge	New 2012	LE5 6
Woodstock Close	At end of retaining wall on footpath		LE4 2
Wren Close	Entrance to the Close	New 2015	LE2
Wyatt Close	Outside No. 16		LE3 1
Wyndale Road	Outside number 20 at the back of the footway		LE2 3
Wyvern Avenue	Outside Primary School	New 2015	LE4
Yew Tree Drive			
York Road	Between entrance and exit to car park		LE1 5

Appendix 9 – Treatment Table - Footways and Cycleways

Category	Overnight Frost Conditions	Daytime Frost Conditions	Extended Ice Conditions	Snow Events
	Overnight forecast temperatures below zero but not extending beyond 8am	Overnight forecast temperatures below zero extending beyond 8am	Persistent widespread ice (rather than frost) for more than 18 hours in a 24-hour period and a forecast not to rise above zero for a further 18 hours in the next 24 hours.	
1a	No treatment	Precautionary treatment if required following monitoring	Monitor and further treatment as required when resources permit. Treatment only during normal working hours.	Snow removal will commence when resources come available from higher priority treatments. Endeavours will be made to complete clearance within 12 hours of cessation of snowfall, subject to availability of resources. Treatment only during normal working hours.
1	No treatment	No treatment	Monitor and treatment as required when resources permit. Treatment only during normal working hours.	Snow removal will commence when resources come available from higher priority treatments. Endeavours will be made to commence clearance within 24 hours of cessation of snowfall, subject to availability of resources. Treatment only during normal working hours.
2	No treatment	No treatment	Monitor and treatment as required when resources permit. Treatment only during normal working hours.	Snow removal will commence when resources come available from higher priority treatments. Endeavours will be made to commence clearance within 48 hours of cessation of snowfall, subject to availability of resources. Treatment only during normal working hours.
3	No treatment	No treatment	Reactive treatment not normally undertaken other than in response to specific circumstances. Treatment only during normal working hours.	Snow removal will commence when resources come available from higher priority treatments. Endeavours will be made to commence clearance within 5 days of cessation of snowfall, subject to availability of resources. Treatment only during normal working hours.
4	No treatment	No treatment		

Notes

1. At all times priority will be given to the priority carriageway network.
2. Combined footway/cycleways are treated in accordance with footway hierarchy.

3. Segregated cycleways are not treated.

Appendix 10 – List of Schools on Gritting Routes

School Name	Address	Gritted	Distance Away	Nearest Road	Comments	Postcode
Children's Hospital School	Uni Hospitals Leics	Yes				LE1
Taylor road Primary School	Taylor Road	Yes				LE1
The City of Leicester College	Downing Drive	Yes				LE1
Avenue Primary School	Avenue Road Extension	No	100	Clarendon Park Road		LE2
Charnwood Primary School	Nedham Street	Yes				LE2
Eyres Monsell Primary School	Simmins Crescent	Yes				LE2
Granby Primary School	Granby Road	No	0	Aylestone Road	Entrance on Aylestone Road	LE2
Hazel Primary School	Hazel Street	No				LE2
Highfields Primary School	Pluto Close	No	330	Melbourne Road	NSFL	LE2
Holy Cross Catholic Primary School	Stonesby Avenue	Yes				LE2
Knighton Fields Primary School	Knighton Fields Road West	No	80	Saffron Lane		LE2
Marriot Primary School	Marriot Road	No	75	Saffron Lane		LE2
Medway Community Primary School	St Stephen's Road	Yes				LE2
Millgate Centre	Scott Street	No	280	Knighton Lane East		LE2
Moat Community College	Maidstone Road	No	210	Sparkenhoe Street		LE2
Montrose School	Wigston Lane	Yes				LE2
Overdale Infant School	Eastcourt Road	No	0	Overdale Road	Entrance on Overdale Road	LE2
Overdale Junior School	Eastcourt Road	No	0	Overdale Road	Entrance on Overdale Road	LE2
Rolleston Primary School	Hillsborough Road	Yes				LE2
Short Stay School	Carisbrooke Gardens	No	65	Carisbrooke Road		LE2
Sir Jonathon North Community College	Knighton Lane East	Yes				LE2
Sparkenhoe Community Primary School	Saxby Street	No	20	Sparkenhoe Street	NSFL	LE2
St John the Baptist Primary School	East Avenue	No	80	Clarendon pk Road		LE2
St Thomas More Catholic School	Newstead Road	No	30	Knighton Road		LE2
The Lancaster School	Knighton Lane East	Yes				LE2
Uplands Infant School	Melbourne Road	Yes				LE2
Uplands Junior School	Melbourne Road	Yes				LE2

School Name	Address	Gritted	Distance Away	Nearest Road	Comments	Postcode
Wigston Lane Education Unit	Wigston lane	Yes				LE2
Braunstone Community Primary School	Cort Crescent	Yes				LE3
Braunstone Frith infant School	Liberty Road	Yes				LE3
Braunstone Frith Junior School	Cuffling Drive	Yes				LE3
Caldecote Community Primary School	Hallam Crescent East	Yes				LE3
Christ the King School	Glenfield Road	Yes				LE3
Dovelands Primary School	Hinckley Road	Yes				LE3
Ellesmere College	Ellesmere Road	No	30	Hallam Crescent East		LE3
Folville Junior School	Folville Rise	Yes				LE3
Forest Lodge Primary School	Charnor Road	Yes				LE3
Fosse Primary School	Balfour Street	No	55	Fosse Road	Not suitable for lorries	LE3
Fullhurst Community College	Imperial Avenue	No	190	Fosse Road	NSFL	LE3
Imperial Avenue Infant School	Imperial Avenue	No	140	Braunstone Avenue		LE3
Inglehurst Infant School	Ingle Street	No	120	Beatrice Road	NSFL	LE3
Inglehurst Junior School	Ingle Street	No	35	Beatrice Road		LE3
King Richard III Infant School	Andrewes Street	No	65	Hinckley Road	NSFL	LE3
New College Leicester	Glenfield Road	Yes				LE3
Parks Primary School	New parks Crescent	No	170	Pindar Road		LE3
Queensmead Primary School	Winstanley Drive	Yes				LE3
Riverside Business& Enterprise College	Lyncote Road	Yes				LE3
Shaftesbury Community Junior School	Latimer Street	No	160	Narborough Road		LE3
Slater Primary School	Slater Street	No	30	Frog Island	There is an entrance on Frog Island	LE3
St Mary's Fields Infant School	Heyworth Road	No	160	Haddenham Road *	Exit from Marlow Road	LE3
Stokes Wood Primary School	Blackett Avenue	No	345	Groby Road	Very Steep Hil	LE3
West Gate School	Glenfield Road	Yes				LE3
Abbey Primary Community School	Ellis Avenue	No	110	Loughborough Road	Cul de Sac not suitable for lorries	LE4
Alderman Richard Hallam Primary School	Avebury Avenue	Yes				LE4
Babington Community Technology College	Strasbourg Drive	Yes				LE4
Barley Croft Primary School	Malham Close	No	50	Heacham Drive		LE4

School Name	Address	Gritted	Distance Away	Nearest Road	Comments	Postcode
Beaumont Leys Specialist Science School	Anstey Lane	Yes				LE4
Beaumont Lodge Primary School	Astill Lodge Road	Yes				LE4
Belgrave St Peters C.E. Primary School	Thurcaston Road	Yes				LE4
Buswells Lodge Primary School	Beauville Drive	No	80	Strasbourg Drive		LE4
Catherine Infant School	Ulverscroft Road	No	0	Catherine Street	Entrance is on Catherine Street	LE4
Catherine Junior School	Brandon Street	No	175	Catherine Street		LE4
English Martyrs Catholic School	Anstey Lane	Yes				LE4
Glebelands Primary School	Chancel Road	No	215	Leicester Road	NSFL	LE4
Heatherbrook Primary School	Astill Lodge Road	Yes				LE4
Herrick Primary School	Lockerbie Avenue	No	65	Gleneagles Avenue		LE4
Mellor Community Primary School	Clarke Street	No	300	Melton Road	NSFL	LE4
Mowmacre Hill Primary School	Tedworth Green	No	75	Border Drive		LE4
Northfield House Primary	Northfield Road	No	60	Gipsy Lane		LE4
Rushey Mead Primary school	Gipsy Lane	Yes				LE4
Rushey Mead School	Melton Road	Yes				LE4
Sandfield Close Primary School	Sandfield Close	No		Nicklaus Road		LE4
Soar Valley College	Gleneagles Avenue	Yes				LE4
St Patricks Catholic Primary School	Harrison Road	Yes				LE4
Wolsey House Primary School	Beaumont Leys lane	Yes	70			LE4
Woodstock Primary School	Hattern Avenue	No	145	Marwood Road		LE4
Wyvern Primary School	Wyvern Avenue	Yes				LE4
Ash Field School	Broad Avenue	Yes				LE5
Bridge Junior School	Mere Close	No	30	Mere Road		LE5
Coleman Primary School	Gwendolen Road	Yes				LE5
Crown Hills Community College	Gwendolen Road	Yes				LE5
Evington Valley Primary School	Evington Valley Road	Yes				LE5
Green Lane Primary School	Spinney Hill road	Yes				LE5
Hamilton Community College	Keyham Lane West	Yes				LE5
Hope Hamilton C.E. Primary School	Sandhills Avenue	Yes				LE5
Humberstone infant School	Main Street	Yes				LE5
Humberstone Junior School	Main Street	Yes				LE5

School Name	Address	Gritted	Distance Away	Nearest Road	Comments	Postcode
Individual Learning Centre	The Wayne Way	No	25	Coleman Road		LE5
Judgemeadow Community College	Marydene Drive	Yes				LE5
Kestrel's Fields Primary School	Maidenwell Avenue	Yes				LE5
Keyham Lodge School	Keyham Lane	Yes				LE5
Linden Primary school	Headland Road	No	300	Ethel Road	Steep hill up to School	LE5
Madani High School	Evington Valley Road	Yes				LE5
Mayflower Primary School	Evington Drive	Yes				LE5
Merrydale Infant School	Claydon Road	No	140	Tailby Avenue		LE5
Merrydale Junior School	Claydon Road	No	190	Tailby Avenue		LE5
Nether Hall School	Nether Hall Road	Yes				LE5
Oaklands School	Whitehall Road	Yes				LE5
Rowlatts Hill Primary School	Balderstone Close	Yes				LE5
Sacred Heart Catholic Primary School	Mere Close	No	45	Mere Road	NSFL	LE5
Scraptoft Valley Primary School	New Romney Crescent	Yes				LE5
Shenton Primary School	Dunlin Road	No	90	Humberstone Road		LE5
Spinney Hill Primary School	Vetnor Street	No	40	St Saviours Road		LE5
St Barnabas C.E. Primary School	St Barnabas Road	Yes				LE5
St Joseph Catholic Primary School	Armada Drive	Yes				LE5
St Pauls Catholic School	Spencefield Lane	Yes				LE5
Thurnby Lodge Primary School	Dudley Avenue	Yes				LE5
Whitehall Primary School	Whitehall Road	Yes				LE5
Willowbrook Primary School	Roborough Green	No	70	Thurncourt Road		LE5

Appendix 11 - Footway and Pedestrian Area Snow Clearance Confirmation Of Completion Sheet.

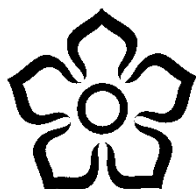
Week Commencing:

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Route 1					
Route 2					
Route 3					
Route 4					
Route 5					
Route 6					
Route 7					
Route 8					
Route 9					
Route 10					
Route 11					
Route 12					
Route 13					
Route 14					
Route 15					
Route 16					
Route 17					
Route 18					
Route 19					
Route 20					
Route 21					
Route 22					
Route 23					
Route 24					
Route 25					
Route 26					
Route 27					
Route 28					
Route 29					
Route 30					
Route 31					
Route 32					
Route 33					

Signature of Winter Service Duty Officer:

RECORD WILL BE KEPT WHEN FOOTWAY GRITTING IS DONE IN DECISIONS MADE FOLDER

Appendix 12 - Policy for Conservation of Rock Salt Stock Levels



Leicester
City Council

WARDS AFFECTED

All Wards

FORWARD TIMETABLE OF CONSULTATION AND MEETINGS:

Cabinet Lead	12 th January 2011
Cabinet Briefing	7 th February 2011
OSMB	3 rd March 2011
Cabinet	7 th March 2011

Policy for Conservation of Rock Salt Stock Levels

Report of the Strategic Director, Development, Culture and Regeneration

1. Purpose of Report

- 1.1 To seek Cabinet approval for a policy concerning Conservation of Rock Salt Stock Levels.

2. Recommendations

- 2.1 Cabinet is asked to approve the attached Policy for Conservation of Rock Salt Stock Levels (Appendix 1).

3. Summary

- 3.1 The last two winters have identified that there can be problems with the restocking of rock salt during periods of severe winter weather. If restocking were not possible, the Council would somehow have to conserve its supplies and the attached policy document in Appendix 1 details how this would be carried out.

4. Report

- 4.1 Following the severe winter weather in recent years and the problems with rock salt supply, the government advice is that local authorities should prepare a Rock Salt Conservation Policy (see Appendix 1) to deal with possible shortfalls.
- 4.2 The City is still reasonably well stocked with rock salt (approx. 1400 tonnes; 50%) when compared to other Local Authorities. However, the national rock salt supply chain resilience is of real concern to us, particularly if the severe weather situation returns for a further lengthy period and we do not get some new supplies in soon. This has also been flagged up as a concern by the Local Resilience Forum.
- 4.3 We have already placed an order for 1000 tonnes in late November 2010, but discussions with suppliers indicate to us that authorities in more urgent need are being prioritised ahead of us at the moment. We therefore feel it prudent to have an agreed rock salt conservation policy in place to help conserve rock salt stocks when we are approaching or have entered a low rock salt stock situation.
- 4.4 The approach we are proposing is detailed in the attached policy document and assumes a phased withdrawal of elements of the winter service based on the prevailing risk factors and rock salt stock levels. We have already circulated the draft policy to various staff for their comments. In addition, and in Order to preserve Highway rock salt stocks for longer, we will be advising other Divisions of the Council to ensure that they build up their own level of resilience for next the winter season by ordering in and storing rock salt themselves. This will help prevent unexpected and unnecessary demands being placed on the Highways rock salt reserves.

5. Financial, Legal And Other Implications

5.1. Financial Implications

The rock salt stock is purchased from the Highways Maintenance revenue budget, average spend in the last 2 years has been £50,000 per annum. Prices for rock salt have increased by 50% and we are forecasting expenditure on rock salt stock to increase to £75,000 accordingly.

Paresh Radia, Finance Manager, Ext 4544082.

5.2 Legal Implications

Section 41(1A) of the Highways Act 1980 provides that a Highway authority is "under a duty to ensure, so far as is reasonably practicable, that safe passage along a Highway is not endangered by snow and ice". There is therefore, in effect, a qualified duty to grit the Highway network for which each authority is responsible.

The policy details how the Council will be able to maintain this duty should there be a shortfall in rock salt supply.

Jamie Guazzaroni Solicitor, Legal Services, RAD, Ext 454 1407.

5.3 Climate Change Implications

There are no climate change implications of the report.

6. Other Implications

OTHER IMPLICATIONS	YES/ NO	Paragraph/References Within Supporting information
Equal Opportunities	No	
Policy	Yes	4.1 – 4.4
Sustainable and Environmental	No	
Crime and Disorder	No	
Human Rights Act	No	
Elderly/People on Low Income	No	
Corporate Parenting	No	
Health Inequalities Impact	No	

7. Background Papers – Local Government Act 1972

- 7.1 The Winter Resilience Audit Report written by David Quarmby is available at: [at transportwinterresilience.independent.gov.uk/](http://transportwinterresilience.independent.gov.uk/).

8. Consultations

- 8.1 Legal Services, Emergency Management Team, Finance Team, Regeneration & Culture, Local Resilience Forum, Staff in Regeneration, Highways & Transportation Division.

9. Report Author

Martin Fletcher, Head of Highways

Telephone 0116 4544965

Policy for Conservation of Road Salt Stock Levels [Appendix 1]

Policy for Conservation of Road Salt Stock Levels.

1. Background.

- 1.1 Leicester City Council's Highways Maintenance Service aims to commence the winter season with at least 2500 tonnes of rock salt (maximum storage capacity is 2700). This level proved resilient during the severe winters of 2009 and 2010 and the Council did not run out of rock salt. However, the Council struggled to obtain rock salt supplies for re-stocking to an acceptable level during the winter periods.
- 1.2 The national rock salt stock and supply chain has proved less resilient. Significant problems arose in 2009 and 2010 for some local authorities who needed urgent supplies in sufficient quantities in order to maintain their road gritting service. This resulted in the formation of the National Rock Salt Cell to help co-ordinate the provision of rock salt supplies to where it was most needed and advise authorities on how best to minimise rock salt use and deliver a reduced winter service.
- 1.3 Nationally, efforts have been taken to try and address the issues surrounding the supply of rock salt. However, there remains a high risk that pro-longed severe weather and/or numerous severe weather events will see similar pressures on rock salt supplies in the future.
- 1.4 Accordingly it is prudent to ensure we have a policy document agreed by Cabinet, Emergency Management and the Local Resilience Forum for conserving rock salt stocks when our rock salt stocks run low and we experience re-supply difficulties. Relevant Council Divisions would also need to be aware of the policy and the potential impacts on their services. Any such decision to activate the policy would be considered a "key decision" of the Council.

2. Normal Winter Service Gritting Activities.

- 2.1 Our Winter Service Operational Plan details the actions we take during normal circumstances when stock levels are satisfactory. These are summarised as follows:
 - i. Primary Routes gritted overnight whenever frost or icy conditions expected.
 - ii. Primary Routes gritted prior to and during snowfall.
 - iii. Secondary Routes gritted during snowfall and pro-longed ice.
 - iv. Important pedestrian routes and shopping areas are gritted during snowfall and pro-longed ice.
 - v. Grit bins maintained with 50/50 sand/rock salt mix.

- vi. gritting activities and/or rock salt supplied to other service providers including:
 - a. Schools
 - b. Healthcare facilities
 - c. Public events
 - d. Council car parks
 - e. Leicester Market
 - f. Housing Services
 - g. Other Council facilities.

3 Rock Salt Conservation Arrangements.

3.1 Risk Factors: The need for the application of rock salt conservation measures will depend on the degree of risk arising from the following factors:

- i. Current Rock Salt Stock Levels
- ii. Weather Forecast
- iii. Time in the Season
- iv. Expected Restocking Dates & Potential for Delays
- v. Actual Usage Rates

The County Surveyors Society & Salt Cell guidance also details other rock salt conservation measures and these will be deployed as necessary to help preserve rock salt stocks for as long as possible. See Annex 1.

- 3.2 For the purpose of assessing resilience, we assume rock salt usage rates of 125 tonnes per day during heavy snowfall and 25 tonnes per day during frost conditions.
- 3.3 The key aim of the Council's Winter Service in a Low rock Salt Stock emergency situation must be to maintain the Primary Route network in a safe condition including the possible use of the Council's roads as a possible diversion route from the M1. This is to ensure the safe passage of emergency service vehicles responding to incidents, public transport and goods vehicles carrying essential supplies (food stuffs, medical equipment, fuel, etc.) to the main distribution centres (e.g. supermarkets, hospitals, petrol stations, etc.). The Primary route network is also essential to maintaining economic activity in the City.
- 3.4 A phased approach to rock salt conservation will therefore be adopted, balancing the need to maintain the primary network whilst still maintaining a general service provision for as long as reasonably possible. Accordingly, the following salt conservation policy will be used as a general guide to decision making. However, the actual decisions made and actions taken will also need to take into account the above five risk factors: -

a) When rock salt stock levels fall to 1500 tonnes (12 days snowfall or 60 days frost):

- i. A re-supply order must be placed for 1000 tonnes. This may need to be placed sooner where considerable salt has been used early in the winter season and rock salt stocks are predicted to be at 1500 tonnes or lower by 31st December. The re-supply order quantity will need to be reviewed and further orders placed if conditions persist and depending upon the risk factors detailed above.

A normal service is maintained during phase a) and no road salt is therefore conserved.

b) When rock salt stock levels fall to 1000 tonnes (8 days snowfall or 40 days frost):

- i. Rock salt will only be applied to the Primary and Secondary Route Networks and important pedestrian routes.
- ii. Spread rates contained in line with current County Surveyors Society & Salt Cell guidance and dependent upon prevailing weather conditions.
- iii. Spot gritting only on non-primary routes and based upon incident reports and requests from the emergency services.
- iv. No rock salt will be supplied to other public services unless requested by the emergency services.
- v. The provision of rock salt to critical services will be considered on a case-by-case basis.
- vi. Grit bins will cease to be re-filled with sand/salt mix. Sand (grit) only may be used instead.

Rock salt conserved under phase b):

- A. Rock salt conserved by above measures equivalent to 1 additional day snowfall or 5 days frost (12.5% @ 1000 tonnes and equivalent to **125 tonnes** rock salt conserved).
- B. Cumulative total equivalent to 1-day additional snowfall or 5 days frost (12.5% @ 1000 tonnes and equivalent to 125 tonnes road salt conserved in total).

c) When rock salt stock levels fall to 500 tonnes (4 days snowfall or 20 days frost):

- i. Rock salt will only be applied to the Primary Route Network.
- ii. Spread rates contained in line with current County Surveyors Society & Salt Cell guidance and dependent upon prevailing weather conditions.
- iii. Secondary routes and important pedestrian routes will not be gritted. Sand (grit) may be used instead to provide a degree of grip/traction.
- iv. Spot gritting only on non-primary routes and based upon incident reports and requests from the emergency services.
- v. No rock salt will be supplied to other public services unless requested by the emergency services.

- vi. Grit bins will cease to be re-filled with sand/salt mix. Sand (grit) only may be used instead.

Rock salt conserved under phase c):

- A. Rock salt conserved by above measures equivalent to 1 additional day snowfall or 5 days frost (25% @ 500 tonnes and equivalent to **125 tonnes** rock salt conserved).
- B. Cumulative total equivalent to 2 days additional snowfall or 10 days frost (25% @ 1000 tonnes and equivalent to 250 tonnes rock salt conserved in total).

d) When Rock Salt Stock Levels fall to 250 tonnes (2 days snowfall or 10 days frost):

- i. Rock salt will only be applied to the Principal and Non-Principal Classified Road Network, comprising A, B & C roads, and other critical roads in the City essential for the emergency services.
- ii. Other key commuter and bus routes on the Primary Gritting Route Network will no longer be gritted. Sand (grit) may be used instead to provide a degree of grip/traction.
- iii. Spread rates contained in line with current County Surveyors Society & Salt Cell guidance and dependent upon prevailing weather conditions.
- iv. Secondary routes and important pedestrian routes will not be gritted. Sand (grit) may be used instead to provide a degree of grip/traction.
- v. Spot gritting only on Non-Classified routes and based upon incident reports and requests from the emergency services.
- vi. No rock salt will be supplied to other public services unless requested by the emergency services.
- vii. Grit bins will cease to be re-filled with sand/salt mix. Sand (grit) only may be used instead.

Rocksalt conserved under phase d):

- A. Rock salt conserved by above measures equivalent to 2 additional days snowfall or 10 days frost (100% @ 250 tonnes and equivalent to **250 tonnes** rock salt conserved).
- B. Cumulative total equivalent to 4 days additional snowfall or 20 days frost (50% @ 1000 tonnes and equivalent to 500 tonnes rock salt conserved in total).

4. Decision Making

- 4.1 The decision to conserve rock salt and reduce the winter service provision (see paras 3.4b –d above) will be taken by the Cabinet Lead for Highways and Transportation in consultation with the Director of Regeneration, Highways and Transportation. This will be after discussion with the Resilience Forum, the Emergency Management Team, the

Emergency Services, the Chief Operations Officer, Risk Management and Leicestershire County Council.

5. Communications Plan

- 5.1 After the decision to conserve rock salt is taken, a press release detailing the revised gritting procedures will be issued and it will be publicised on the Council's website: [Home \(leicester.gov.uk\)](http://leicester.gov.uk), by the Traffic Information Service and Customer Services.
- 5.2 Key organisations will be contacted directly.

Appendix 13 – CSS Advise to CSS Members on how to help Preserve Salt Stocks



Matthew Lugg
Chair of CSS Engineering Committee

Director of Highways, Transportation and Waste Management
Leicestershire County Council, County Hall,
Glenfield, Leicester LE3 8RJ
Tel: 0116 305 7001 Fax: 0116 305 7962
Email: mlugg@leics.gov.uk

National Salt Shortage

Advise to CSS Members on how to help Preserve Salt Stocks

In order to ensure that essential winter services can be maintained it is paramount that existing salt supplies are optimised.

It is strongly recommended, therefore, that all CSS members involved in managing winter maintenance services consider the following actions to use the existing supplies in the most effective and efficient way:-

- To consider no longer providing a salt spreading service on secondary networks but continue to concentrate on published priority networks, which are generally A and B and some heavily trafficked C roads.
- On minor roads where compacted snow and ice lies it is still possible to provide a service without the application of salt by spreading grit only. This will provide traction and help break up the frozen surfaces.
- To ensure all spreaders are correctly calibrated and that calibration checks are undertaken as soon as possible to make certain that these vehicles are spreading the prescribed rates.
- For general precautionary gritting there should be no need to spread at rates over 15g/m² for salt stored in the open and 10g/m² for salt stored under cover (as recommended by the Code of Practice).

- To make use of all available technology such as salt sensors to check salinity levels and where there is adequate residual salt on the road then not to provide further treatment.
- In conditions where snow has already settled on the carriageway consideration should be given to mixing salt and grit (single size abrasive aggregate not exceeding 6mm or 5mm sharp sand) to ratio of up to 50/50.
- Where larger Highway authorities have potentially different climate domains consideration should be given to partial network treatment rather than blanket cover when appropriate.
- In circumstances where roads may be dry in places but have areas of moisture through snow melting or seepage on the carriageway then spot gritting could be considered rather than full precautionary runs.

