

Cabinet – 21 October 2009

Winter Service Operational Plan 2009-10

Portfolio:	Councillor Ansell - Transport
Service:	Engineering & Transportation
Wards:	All
Key decision:	No
Forward plan:	Yes

1. Summary of report

The report sets out the proposed Winter Service Operational Plan 2009/10. The 'Well-Maintained Highways' Code of Practice for Highway Maintenance Management requires that the plan be formally approved on an annual basis.

2. Recommendations

- 2.1 That Cabinet approves the Winter Service Operational Plan 2009/10.
- 2.2 That the Head of Engineering and Transportation be authorised to make amendments to the plan, as necessary, in order to comply with the Council's statutory duty to ensure, so far as reasonably practicable, that safe passage of the highway is not endangered by snow and ice.

3. Background information

- 3.1 Walsall Council needs to ensure that the way we provide services to the public can continue in the face of seasonal changes in the weather. The Winter Service Operational Plan 2009/10 (the plan) specifies the detailed arrangements for the precautionary treatment of roads prior to ice formation and the clearance of snow. The plan will be available on the internet and copies have been deposited in each political group room.
- 3.2 The plan sets out Walsall's strategy to deliver a quality winter service in an efficient, practical and reasonable manner. Walsall Council recognises the importance of the winter service and the high value placed on this service by both users and the wider community.

- 3.3 The objective of Winter Service operations is to provide a winter maintenance service which, as far as reasonably possible, will permit the safe movement of vehicular traffic on the more important parts of the highway network while minimizing delays and accidents directly attributable to the adverse weather conditions.
- 3.4 267 miles (430km) of Walsall's highways will be subject to precautionary salting out of a total length of highway within the Borough of approximately 532 miles (856km).

There are now 16 precautionary salting routes split into two priorities:

- (a) Eight Priority 1 routes comprise roads on the primary network and other roads carrying substantial volumes of commercial traffic together with some roads with high risk of early ice formation
- (b) Eight Priority 2 routes comprise:
- i. most bus routes in residential areas
 - ii. important industrial estate roads
 - iii. roads used by heavy commuter traffic at peak periods
- 3.5 Snow clearing and removal of ice takes place on priority 1 and 2 routes first. When these are running freely and ice conditions persist, such resources as are available will be targeted to clear footways within the town centre areas of Walsall, Willenhall, Aldridge, Darlaston, Brownhills and Bloxwich, and then minor roads. This is believed to be in line with the service provided by the majority of metropolitan authorities in England.
- 3.6 Footways are not routinely treated but important pedestrian precincts are included on the precautionary salting routes. However, during periods of snow fall and lying snow, labour is deployed to move snow from footways in town centres and other sensitive areas.
- 3.7 Cycle routes remote from the highway are not treated but cycle lanes within carriageways on priority routes will of course be routinely treated.
- 3.8 The routes have been designed, as far as possible, to minimise free running (the distance which has to be driven while not spreading salt) and obtain the most efficient utilisation of plant, materials and labour.
- 3.9 The 'Well-Maintained Highways' Code of Practice for Highway Maintenance Management, published in July 2005, requires that the plan be formally approved on an annual basis. The Winter Maintenance Service is included within the Council's Highways Maintenance Strategy 2009 to 2012 as approved by Cabinet in July 2009.

- 3.10 During 2008/09 the gritting fleet was mobilized on seventy four occasions and spread 3,137 tonnes of salt on Walsall's highway network. The cost of this operation was £252,821.11 against a budget of £228,958. The increase in costs was due to having to mobilize in April 2008 on three occasions after the Winter Maintenance period had finished. The winter of 2008/09 was the hardest winter for 30 years resulting in a national shortage of gritting salt and a consequence of significant spike in salt prices.
- 3.11 The plan is essentially the same as last year's and, in particular, the roads covered remain unaltered. Last winter a number of complaints were received regarding the use of grit contained in the grit bins for private use. For this season notices have been placed on the bins reminding residents that the grit is for highway use only and contact details are also on the notice.

4. Resource considerations

- 4.1 **Financial:** The budget for this service is £333,000 and will be managed by Engineering & Transportation with day-to-day service delivery being provided by Tarmac. The cost of the service, however, is ultimately dependent upon the severity of the winter weather conditions.

Additional resources in excess of the existing budget may be required should a particularly harsh winter with periods of heavy snow prevail. Under such circumstances the service will continue, but measures will be put in place to address any potential overspends, and every effort would be made to contain any such overspend within the Neighbourhood Services cash limit.

- 4.2 **Legal:** Section 111 of The Railways and Transport Safety Act 2003 amends Section 41 of the Highways Act 1980 to the effect that highway authorities now have a duty to prevent the formation of ice on roads, so far as is reasonable. Previously the duty in the Highways Act has only been to remove ice and snow as soon as reasonably practicable.
- 4.3 **Staffing:** There are no direct implications as a result of this report.

5. Citizen impact

- 5.1 The need and value in terms of meeting the Council's statutory safety and transport requirements to provide a winter service is recognised. The plan sets out Walsall's strategy to deliver a high quality winter service that is efficient, practical and reasonable.
- 5.2 The plan sets out the council policy, route planning strategy, the use of weather forecasting, personnel, plant and vehicles, communications, salt supply and distribution, performance monitoring, comprehensive details of salting routes, position of salt bins, record keeping and the decision making process which determines whether precautionary salting takes place.

- 5.3 Implementation of the plan will give citizens using Walsall's highway network during winter conditions standards of service which will maintain the safe passage of vehicular traffic so far as is reasonable.

6. **Community safety**

The implementation of the plan will assist community safety by making, whenever possible, the major routes in Walsall's road network available for safe use in the winter period.

7. **Environmental impact**

The plan, wherever possible, minimises any adverse environmental impact that provision of the service may have. Gritting routes are optimised to reduce time vehicles are not spreading grit so as to minimise the total mileage spent not gritting and so maximise efficiency.

8. **Performance and risk management issues**

- 8.1 **Risk:** The Council's risk and insurance team has identified that the key area of concern for the plan is "whether procedures are in place to ensure quality". This continues to be addressed by the inclusion of reality checks and accurate record keeping as part of the operational activity.

The most significant risk is that of a particularly harsh winter with periods of heavy snow. Under such circumstances the service will continue, but measures will be put in place to address any potential overspends, and every effort would be made to contain any such overspend within the Neighbourhood Services cash limit.

A dedicated, detailed forecasting system is purchased from 'MeteoGroup UK RoadCast', which uses data from sensors embedded in road surfaces. Walsall works in conjunction with the other West Midlands authorities in procuring the weather forecasting service and maintaining the sensors.

- 8.2 **Performance management:** Performance will be carefully monitored as part of the Tarmac Contract and benchmarking with similar authorities will be routinely undertaken both during and upon completion of the winter season.

There is a rota of duty officers to ensure that weather conditions and forecasts are monitored 24 hours a day, seven days a week during the winter period.

9. **Equality implications**

None arising from this plan

10. Consultation

The plan has been circulated, for comments, to officers across the Council and is also distributed to our partners including the following: Police, AA and RAC, Centro, Ambulance Service, Fire Service, Freight Transport Association, Birmingham City Council, Wolverhampton City Council, Sandwell MBC, Staffordshire County Council, Optima and Amey Mouchel.

Background papers

1. Well-maintained Highways' Code of Practice for Highway Maintenance Management, published July 2005
2. 'Winter Service Operational Plan 2009/10'

Author

Marion Parry
Acting Team Leader, Roadworks Management
☎ 653781
✉ parrym@walsall.gov.uk

Jamie Morris
Executive Director



12 October 2009

Councillor Tom Ansell
Portfolio Holder



12 October 2009

Winter Service Operational Plan 2009/2010



October 2009



Walsall Council

WINTER SERVICE POLICY STATEMENT

The objective of Winter Service operations is to provide a winter maintenance service which, as far as reasonably possible, will permit the safe movement of vehicular traffic on the more important parts of the highway network while minimizing delays and accidents directly attributable to the adverse weather conditions.

16 pre-salting routes have been identified and divided into two categories, i.e. Priority 1 and Priority 2, with Priority 1 routes being treated first. These priorities also apply to snow clearing. The routes have been designed to minimize free running (the distance, which has to be driven while not spreading salt,) and obtain the most efficient utilization of plant, materials and labour.

With limited funding available for highways maintenance it is essential that Winter Service is as efficient as possible. Fixed costs can be managed whilst variable costs are dependent on the number of occasions that the fleet is mobilized. The costs are currently to be managed, administered and funded from a separate Winter Maintenance allocation. The service is annually subject to review for effectiveness and efficiency. It is believed that including it in the highway maintenance delivery contract recently awarded to Tarmac gives Walsall the best chance of efficient plant and labour utilization i.e. enables the service provider to find employment for a pool of employees and machinery even when the weather is mild and no salt spreading is necessary.

The decision to mobilize is taken by the council based on weather forecast information supplied by expert meteorological forecasts procured jointly by the seven district councils which comprises the West Midlands and continuous information from weather stations located within the borough. The council will monitor these stations and normally information will be issued to the gritting fleet by mid afternoon. When conditions are marginal, the final decision may be delayed in order to minimize the number of unnecessary salt applications.

CIRCULATION LIST

Leader of the Council
Party Leaders
Portfolio Holder, Environment & Streetpride
Chief Executive
Executive Directors
Heads of Service
Council Web Site
Public Libraries
Police
AA and RAC
Centro
Ambulance Service
Fire Service
Freight Transport Association
Birmingham City Council
Wolverhampton City Council
Sandwell MBC
Staffordshire County Council
Highways Agency
Amey

ROUTE PLANNING FOR CARRIAGEWAYS, CYCLEWAYS AND FOOTWAYS ROUTES FOR PRECAUTIONARY SALTING, POST SALTING AND SNOW CLEARING

430Km (267miles) of Walsall's highways will be subject to precautionary salting out of a total length of highway within the Borough of approximately 856Km (532miles).

There are 16 precautionary salting routes split into two priorities:

- (a) Eight Priority 1 routes comprise roads on the primary network and other roads carrying substantial volumes of commercial traffic together with some roads with high risk of early ice formation
- (b) Eight Priority 2 routes comprise:
 - 1. most bus routes in residential areas
 - 2. important industrial estate roads
 - 3. roads used by heavy commuter traffic at peak periods

See Appendices 2 & 3 for details of routes.

Footways are not routinely treated but important pedestrian precincts are included on the precautionary salting routes. However, during periods of snow fall and lying snow, labour is deployed to move snow from footways in town centres and other sensitive areas. Footway snow clearing routes for town centres are shown at Appendix 3

Cycle routes remote from the highway are not treated but cycle lanes within carriageway on priority routes will of course be routinely treated.

Response times

Arrangements exist to ensure that personnel and plant are available on stand-by arrangements at specified times. Mobilization of the vehicles, including changing of the demountable bodies on five vehicles currently takes up to two hours. For 2009/10, four vehicles have permanently mounted bodies and this will usually ensure that mobilization will be significantly quicker, but will be dependant upon the prevailing weather conditions.

Priority 1 routes can then be treated within two hours of the vehicles leaving the depot following which Priority 2 routes are salted which takes a further two hours.

The above priorities and response times also apply to post salting and snow clearing although in periods of heavy snow continuous operations will be maintained and additional labour brought in if necessary.

Contacts with adjacent authorities

These are maintained through the West Midlands Highway Infrastructure Managers' Winter Service Sub-Group meetings and by personal contact when necessary with Staffordshire County Council.

Salt Bins

Walsall provides salt bins at strategic locations (steep hills and bends), see Appendix 4

many of which are not on the normal precautionary salting routes. For environmental reasons, salt is not deposited at the roadside without any form of containment.

WEATHER FORECASTS

Dudley Council on behalf of the West Midlands has procured expert meteorological advice from MeteoGroup UK RoadCast service. As part of this contract detailed forecasts with road surface temperature predictions, are faxed to the council or can be collected from a website every day from the end of October to the end of April at about mid-day. Thereafter, up-dates may be received if necessary either by fax or by telephone calls direct to the forecaster.

A duty officer will be available 24 hours per day to receive forecasts and to be consulted by the meteorological consultant, who will receive a copy of the rota.

In normal circumstances, the following forecasts will be received, monitored and acted upon, as appropriate, by the duty officer.

<u>No</u>	<u>TARGET TIMES</u>	<u>INFORMATION</u>
1	By 07:30 hours	Morning summary
2	By 12:30 hours	24 hour and 2 - 5 day text forecast for the West Midlands
3	By 16:30 hours	Site specific temperature and dew point forecast graphs & text forecasts with probability

- Any dramatic changes, for example, snow or wash-off, is reported to the duty officer immediately, at whatever time this occurs.
- Significant weather changes will be notified to the duty officer via a pager communications system.

Significant weather changes are defined as:

- i. When the road minimum temperature is between plus 5 degrees Celsius and minus 5 degrees Celsius, a temperature difference of more than 2 degrees Celsius is sustained for more than one hour between the forecast temperature curve and the actual temperature curve;
- ii. When there is a change of road frost status (from non-forecast to forecast or vice versa);
- iii. When there is a change of snow status (from non-forecast to forecast or vice versa).

Faxes are received at the Engineering & Transportation. This information is also available on the Road Cast web site.

The council maintains a number of "ICELERT" automatic sensors located within the borough which are linked into a network of such installations throughout the West Midlands, all maintained by Findlay-Irvine in a joint contract. The duty officer is equipped with a laptop computer with internet access via either mobile phone or landline for the purpose of monitoring ICELERT and accessing the latest weather forecasts.

PERSONNEL

Staff Rota's

The council maintains rota's of staff on call outside normal office hours. Robust arrangements are in place to supply manpower when necessary. Contact will be by telephone (landline or mobile) plus email.

Single/Double Manning Routes

All salt spreading vehicles are single manned except when heavy snowfall occurs.

Safe Working Practices

All operations will comply with relevant codes of practice and HSE regulations.

Training Arrangements

Tarmac National Contracting will ensure that all employees who drive winter maintenance vehicles hold the City and Guilds of London Institute Winter Maintenance Operator's Certificate (Scheme No. 6157).

Duty officers are all required to attend Met Office "Basics of Road Meteorology" which is a course devised for The Highways Agency. Mandatory update training takes place for each duty officer every three years.

Further training is made available from time to time usually arising from service, legislative or operational procedure changes.

"Operation Snowfall"

A training exercise for all involved is held on one Saturday each October. This exercise tests all routes and enables any problems with the routes to be identified and rectified. It also demonstrates that all plant, machinery and personnel are in a state of readiness.

PLANT AND VEHICLES

Fleet Inventory (Summary)

5	No	Demountable gritter bodies
9	No	Chassis cabs (17 Tonne)
4	No	Permanently mounted gritters
8	No	Snow Plough attachments
9	No	“Squeegees” (small rubber plough attachments)
2	No	Hand applicators for Town Centre pedestrian areas
1	No	Loading Shovel

(All stored at Cable Drive Depot; maintained at same location).

Also available are 4 No. JCB 2CX tractor loaders and 1 No. JCB 3CXs for clearing snowdrifts.

Fuel is stored at the Norfolk Place Depot but may also be obtained from commercial suppliers if necessary.

OPERATIONAL COMMUNICATION SYSTEM

All salt spreading vehicles are equipped with mobile telephones and during operations the Cable Drive Depot base station will be manned. This base station has a telephone on a dedicated line.

SALT

Salt is stored in the open at Cable Drive Depot. Testing for particle size is undertaken by a NAMAS accredited laboratory. Loading is by mechanical shovel which includes a weighing mechanism.

Spread Rates

When precautionary salting for ice, salt shall normally be applied to all roads on routes at a minimum rate of spread of 10 gm/sq.m.

When precautionary salting for snow, salt shall be applied to all roads on routes at a rate of spread of between 15 and 40 gm/sq.m. at the direction of the duty officer. Salt shall be spread evenly, with continuity and at the specified rate, to all sections or part sections of the route designated to be treated.

During prolonged falls of snow it will be necessary to plough continuously from the onset to prevent build-up and compaction by traffic. Such ploughing should be combined with simultaneous salting at 25-40 gm/sq.m. However, once snow depths of 100mm have been reached, or when tackling snowdrifts or when vehicles are operating on gradients, ploughing without salting may be permitted to allow the weight of the salt load to aid vehicle traction.

Purchasing of salt and de-icing material will be carried out by Tarmac National Contracting.

PERFORMANCE MONITORING

Performance will be monitored against the requirements of the Highways Repair and Maintenance 2008 Contract. Records will be maintained to include a rota and call out sheet for each day during the season. The duty officer will complete the daily record sheet and insert it into the "Winter Service Decision and Action File". This file forms part of the audit process to monitor the effectiveness of the service.

This information will be used to compare performance with other councils by benchmarking. This information along with comparison will be used to target and inform service improvements.

Appendix 1: Duty Officer Daily Record Sheet

Name:

Date:

Duty Officer:

Forecast and Decision Record

Morning Summary

Time of Issue:

Forecasters Name:

Forecast Summary	RAG	MIN RST	MIN AIR	TIME RST <0°
Action:				

24 Hour Detailed

Time of Issue:

Forecasters Name:

Forecast Summary	RAG	MIN RST	MIN AIR	TIME RST <0°
Action:				

5 day Summary:

Action:

Appendix 1: Duty Officer Daily Record Sheet continued

Evening Summary

Time of Issue:

Forecasters Name:

Forecast Summary	RAG	MIN RST	MIN AIR	TIME RST <0°
Action:				

Site Specific Forecast

Site	Time	Temp <0°C%	Rainfall>2m				Comments
			18:00 21:00	21:00 00:00	00:00 03:00	03:00 06:00	

Decision		Notification Time	Spread Rate g/m ²	Start Time
Mount Bodies	Yes/No			
PreSalt All				
Pre Salt P1				
Pre Salt P2				
Fit Ploughs				
Continuous Gritting				

Comments:

Appendix 2: Details of Precautionary Salting Routes

Priority 1 – Routes 1 – 8

Priority 2 – Routes 9 - 16

WINTER GRITTING ROUTE No.:	1 (1 OF 2)	STANDARD ABBREVIATIONS	
ROUTE PRIORITY	1	TURN RIGHT	TR
LEAVE DEPOT	FRONT	TURN LEFT	TL
TURN	RIGHT	STRAIGHT ON	SO
TRAVEL TO Stephenson Avenue Junction Green Lane		ROUNDBOUT	RBT
		BOUNDARY	BDRY
ROAD	INSTRUCTION/DIRECTION	ROAD	INSTRUCTION/DIRECTION

<u>START GRITTING</u>			
Stephenson Avenue		Bilston Street	SO
Cavendish Road	TL	Rose Hill to Junction	
Bloxwich Lane	TL	Rose Hill	
Reedswood Way @ Stephenson Avenue	TL	Bilston Street	TL
Turn Around And Return To Bloxwich Lane	TR	New Road	SO
Wolverhampton Road	TL	Somerford Place	TL
J10 Slip Road (M6 Southbound)	SO	Keyway	
<u>STOP GRITTING</u>		Black Country Route	
M6 Southbound	SO	Armstrong Way To RBT	TURN AROUND
<u>START GRITTING</u>		Armstrong Way	
Slip Road (M6 Exit to J9)		Black Country Route	
<u>STOP GRITTING</u>		Keyway	TR
J9 Turn Around and		Somerford Place	SO
<u>START GRITTING</u>		New Road	SO
Slip Road Northbound	SO	Walsall Street	SO
<u>STOP GRITTING</u>		Walsall Road	SO
M6 Northbound	SO	Clarkes Lane	TL
<u>START GRITTING</u>		Sandbeds Road	SO
Exit Slip Road At J10	SO	High Road	SO
<u>STOP GRITTING</u>		Straight Road	SO
J10 To Bloxwich Lane	TL	Coltham Road	SO
<u>START GRITTING</u>		Westley Road	SO
Bloxwich Lane	TL	Cannock Road To RBT	TURN AROUND
Bentley Lane	TL	Cannock Road	SO
High Road	SO	Westley Road	SO
Sandbeds Road	SO	Coltham Road	SO
Clarkes Lane	TL	Straight Road	SO
Walsall Road	TR	<u>STOP GRITTING</u>	TL
Walsall Street		Bloxwich Road North	TL
Lichfield Road To Borough Boundary		Church Road	TL
Lichfield Road To Essington Road Junction		Coltham Road	TR
		Westley Road	SO

WINTER GRITTING ROUTE No.:	1 (2 OF 2)	STANDARD ABBREVIATIONS	
ROUTE PRIORITY	1	TURN RIGHT	TR
LEAVE DEPOT	FRONT	TURN LEFT	TL
TURN	RIGHT	STRAIGHT ON	SO
		ROUNDABOUT	RBT
		BOUNDARY	BDRY
ROAD	INSTRUCTION/DIRECTION	ROAD	INSTRUCTION/DIRECTION
Cannock Road To RBT	SO		
<u>START GRITTING</u>			
Essington Road To Borough Boundary	TURN AROUND		
Essington Road To Lichfield Road Island	TR		
<u>STOP GRITTING</u>			
Lichfield Road To Coppice Farm Way			
<u>START GRITTING</u>			
Coppice Farm Way To Essington Road	TR		
Essington Road	TR		
<u>STOP GRITTING</u>			
Essington Road	TL		
Lichfield Road	SO		
<u>START GRITTING</u>			
Lichfield Road	TL		
<u>STOP GRITTING</u>			
Broad Lane	TL		
<u>START GRITTING</u>			
Cresswell Crescent	TL		
<u>STOP GRITTING</u>			
Sneyd Lane Junction Broad Lane	TURN AROUND		
<u>START GRITTING</u>			
Sneyd Lane	TURN AROUND		
Lichfield Road To Essington Road Junction			
<u>STOP GRITTING</u>			
Lichfield Road	TR		
Sneyd Lane			
<u>START GRITTING</u>			
Sneyd Hall Road			
Croxdene Avenue	TL		
Central Drive	TR		
Sneyd Hall Road	TR		
Loop Sneyd Hall Green			
Central Drive	TR		
Chase Road	TL		
Coalway Road	TR		
Moreland Road	TR		
Leamore Lane	TL		
Bloxwich Lane	TR		
Stephenson Avenue	TL		
<u>STOP GRITTING</u>	TR		
Cavendish Road	TR		
<u>START GRITTING</u>			
Edison Road To Stephenson Avenue	TL		
<u>STOP GRITTING</u>			
Stevenson Avenue	TL		
<u>START GRITTING</u>			
The Square			
<u>END OF ROUTE</u>			
<u>RETURN TO DEPOT</u>			

WINTER GRITTING ROUTE No.:	2	STANDARD ABBREVIATIONS	
ROUTE PRIORITY	1	TURN RIGHT	TR
LEAVE DEPOT	FRONT	TURN LEFT	TL
TURN	RIGHT	STRAIGHT ON	SO
TRAVEL TO		ROUNDAABOUT	RBT
LITTLETON STREET WEST		BOUNDARY	BDRY
ROAD	INSTRUCTION/DIRECTION	ROAD	INSTRUCTION/DIRECTION
START GRITTING		STOP GRITTING AT J10	
Littleton Street West	SO INTO	Return To Depot	
Littleton Street East At RBT	TAKE EXIT	Travel To Junction 10	TO
		TL ON	
Broadway North	SO INTO	START GRITTING	
Broadway	SO INTO	Exit Slip Road To Bentley Mill Way	TR @ SIGNALS
Broadway West	SO INTO	STOP GRITTING	
Wallows Lane	TL INTO	Bentley Mill Way	TL INTO
Bescot Road To RBT Junc 9		Wolverhampton Road West	TL INTO
Grit Around RBT And Return Along		Bentley Road North	SO INTO &
Bescot Road To Wednesbury Road		START GRITTING	
Turn Around At Traffic Lights And		Bentley Road RBT	TR ONTO
Return	TL INTO	Marshland Way	SO & AROUND BACK ONTO
Wallows Lane	SO INTO	Anson Road Junc	SO ONTO
Broadway West	SO INTO	Marshland Way	TURN
Broadway	SO INTO	Bentley Road RBT	AROUND
Broadway North	SO INTO	STOP GRITTING	
Littleton Street East	SO INTO	Return Along Anson Junc	TL ONTO
Littleton Street West	TR & TL TNTC	START GRITTING	
Court Way	SO INTO	BCR Slip Road	SO ONTO
Blue Lane West	TR AT	STOP GRITTING	
Traffic Lights Into Wolverhampton Rd		BCR	SO ONTO
Wolverhampton Road	SO INTO	START GRITTING	
Shepwell Green	SO INTO	Off Slip Road @ Keyway Junc	
Bilston Lane	SO INTO &	Grit RBT – Proceed to BCR On Slip	SO ONTO
		Road	
Grit Around RBT & Keyway Slip Rd	TL INTO	STOP GRITTING	
Grit Keyway To Bottom Of Ramp		BCR	SO & TURN AROUND TL ONTO
Turn Around At Keyway RBT		The Lunt RBT & Return Along BCR	
(Somerford Place)		START GRITTING	
Return Along Keyway To Start Of		BCR Exit Slip @ Keyway Junction	SO ONTO
Exit Ramp To Bilston Lane Across		BCR Entry Slip Road	SO
RBT	SO INTO RBT	STOP GRITTING	
& Entrance Ramp To Keyway		BCR	
Owen Road Turn Around & Return		START GRITTING	
Gritting Keyway Turn Around Into	TR INTO	Exit Slip Road @ Anson Junction	
Bilston Lane	SO AT RBT	BCR Entry Slip Road	SO ONTO
Own Road	SO & TURN	STOP GRITTING	SO ONTO
Into Midland Road		Return Along BCR J10 Travel Along	
Around At The Green		BCR	
STOP GRITTING		START GRITTING	
Return Along Owen Road	TR INTO	BCR Exit Slip Road To Anson	TL ONTO
Bilston Lane	SO TO	Junction	
Shepwell Green		STOP GRITTING	
START GRITTING		Anson Junction RBT	RETURN TO SO ONTO
Birmingham Street Along	SO INTO	J10	
Shepwell Green	TL INTO	START GRITTING	
Wolverhampton Road		Wolverhampton Road	TL INTO
J10 Roudabout	ONTO	Blue Lane West	SO ONTO
Around Roundabout	SO TO	Courtway	TL
Black Country Route (BCR)	TO J10	STOP GRITTING	
Lunt RBT And Return			

Stafford Street

START GRITTING

Blue Lane East - **STOP GRITTING.**

TL

WINTER GRITTING ROUTE No.:	3	STANDARD ABBREVIATIONS	
ROUTE PRIORITY	1	TURN RIGHT	TR
LEAVE DEPOT	FRONT	TURN LEFT	TL
TURN	RIGHT	STRAIGHT ON	SO
TRAVEL TO		ROUNDBOUT	RBT
ARBORETUM ROAD		BOUNDARY	BDRY
ROAD	INSTRUCTION/DIRECTION	ROAD	INSTRUCTION/DIRECTION
<u>START GRITTING</u>		<u>STOP GRITTING</u>	
RBT @ Lichfield Road	TR	Turn Around And Return To	
Lower Rushall Street	SO	Hollyhead Road	TL
Upper Rushall Street	SO	Church Street	
Peel Street	SO	<u>START GRITTING</u>	SO
Dudley Street	SO	High Street	TL
Vicarage Place	TR	Great Bridge Road	SO
Bradford Street	TL & TR	Borough Boundary & Return Along	
Around Bus Station	& RETURN	Great Bridge Road	TL
Along Bradford Street	TL	Bradley Lane	
Corporation Street	SO	To Brorough Boundary Bridge	TL
West Bromwich Street	SO	Return Great Bridge Road	SO
Weston Street	SO	Traffic Lights	TR
West Bromwich Road To BDRY & Return		High Street Junction Moxley Road	TL
At Broadway	TR, TL INTO	BCR Spine Road	
West Bromwich Road	TR	Grit Both Sides & Return To	
West Bromwich Street		Moxley Road	SO
<u>STOP GRITTING</u>		Pinfold Street	SO
At JUNC Weston Street	TR	Walsall Road	SO
West Bromwich Street	SO	Crescent Road	
Corporation Street	TR	<u>STOP GRITTING</u>	
<u>START GRITTING</u>		Walsall Road From Crescent Road	SO INTO
Caldmore Road	TL	Darlaston Road	SO
Bradford Street		Wednesbury Road	TL
<u>STOP GRITTING</u>		<u>START GRITTING</u>	
Bradford Street	SO	Corporation Street West	TL
Wednesbury Road	TO	Rollingmill Street	TL
Corporation Street		Pleck Road	TL
<u>START GRITTING</u>		Old Pleck Road	
Wednesbury Road (From Corporation St)	SO	Darlaston Road	
Darlaston Road	SO	<u>STOP GRITTING</u>	
Walsall Road	TL	Wellington Street	
Darlaston Rd To Borough BDRY		<u>START GRITTING</u>	SO
<u>STOP GRITTING</u>		Pleck Road	TR
Turn Around And Return Pinfold St	TL	Wolverhampton Street & Return Along	
<u>START GRITTING</u>	TL	Pleck Road	TL
Dangerfield Lane to Hollyhead Rd		Bridgeman Street	TR
<u>STOP GRITTING</u>		Queen Street	TL
Turn Around And Return	TL	Long Street	SO
Moxley Road		Bridgeman Street	
<u>START GRITTING</u>	TL	<u>STOP GRITTING</u>	
Church Street	SO		
Hollyhead Road to Island		<u>RETURN TO DEPOT</u>	
Turn Around & Return	TL		
Bull Lane junc Great Bridge Rd	SO		

WINTER GRITTING ROUTE No.	4	STANDARD ABBREVIATIONS	
ROUTE PRIORITY	1	TURN RIGHT	TR
LEAVE DEPOT	FRONT	TURN LEFT	TL
TURN	RIGHT	STRAIGHT ON	SO
TRAVEL TO		ROUNDAABOUT	RBT
BRIDGE STREET (TOWN CENTRE)		BOUNDARY	BDRY
ROAD	INSTRUCTION/DIRECTION	ROAD	INSTRUCTION/DIRECTION
<u>START GRITTING</u>		<u>START GRITTING</u>	
Upper Bridge Street	SO	Beacon Road	TR
Ablewell Street	SO	Old Hall Lane	
Springhill Road	SO	<u>STOP GRITTING</u>	
Birmingham Road	SO	Old Hall Lane	TL
Broadway To Borough Boundary		Pinfold Lane	TL
<u>STOP GRITTING</u>		Chapel lane	TR
Continue Along Birmingham Road To Junc With Chapel Lane	TL		
Chaple Lane Onto Borough Boundary		<u>START GRITTING</u>	
<u>START GRITTING</u>		Birmingham Road From Borough	
Chapel Lane (From Walsall Boundary		Boundary To Springhill Road	SO
At Junc Coronation Road)	INTO	Ablewell Street	SO
Pinfold Lane	TR	Bridge Street	
Old Hall Lane	TR	<u>STOP GRITTING AT GOODALL STREET</u>	
Beacon Road	TL	<u>END OF ROUTE</u>	
		<u>RETURN TO DEPOT</u>	
Collingwood Drive	TL		
Queslett Road	TL		
Aldridge Road To RBT	TURN AROUND		
	AROUND		
Aldridge Road To RBT	TL		
Queslett Road			
Chester Road RBT	TL		
Chester Road To Foley Road East	TR		
Foley Road East	TR		
Thornhill Road To RBT	TURN AROUND		
	AROUND		
Thornhill Road	TL		
Foley Road East	TL		
Chester Road To RBT			
DO NOT GRIT RBT			
<u>STOP GRITTING</u>			
Turn Around At RBT Proceed Along Queslett Road			
Beacon Road			
<u>START GRITTING</u>			
Queslett Road	TR		
Collingwood Drive			
<u>STOP GRITTING</u>			
Go Around RBT And Return Back Along Queslett Road Across RBT At Beacon Road & Onto Borough Boundary			
Queslett Road Turn Around In Central Reserve			
<u>START GRITTING</u>			
From Borough Boundary			
Queslett Road	TL		
Beacon Road	SO & TL		
Little Johnson Road	TR		
Sutton Road			
<u>STOP GRITTING</u>			
Sutton Road	TR		

WINTER GRITTING ROUTE No.:	5	STANDARD ABBREVIATIONS	
ROUTE PRIORITY	1	TURN RIGHT	TR
LEAVE DEPOT	FRONT	TURN LEFT	TL
TURN	LEFT	STRAIGHT ON	SO
TRAVEL TO		ROUNDABOUT	RBT
HATHERTON ROAD		BOUNDARY	BDRY

ROAD	INSTRUCTION/DIRECTION	ROAD	INSTRUCTION/DIRECTION
START GRITTING			
Hatherton Road	TL		
Lichfield Street	SO		
Lichfield Road	TL		
Pelsall Lane	SO		
Walsall Road	TURN		
	AROUND		
Walsall Road	SO		
Pelsall Lane	TL		
Lichfield Road	TURN		
	AROUND		
Lichfield Road	TL		
Melish Road	SO		
Aldridge Road	TL		
Walsall Road	SO		
Anchor Road BY-PASS	TURN		
	AROUND		
Anchor Road BY-PASS	SO		
Walsall Road	TL		
Longwood Lane	TL		
Sutton Road Junc Birmingham Road	TURN		
	AROUND		
Sutton Road	TL		
The Crescent	TR		
Sutton Road	TL		
Longwood Lane	TL		
Aldridge Road	SO		
Melish Road	TL		
Lichfield Street	SO		
Bridge Street			
STOP GRITTING			
END OF ROUTE			
RETURN TO DEPOT			

WINTER GRITTING ROUTE No		6		STANDARD ABBREVIATIONS	
ROUTE PRIORITY		1		TURN RIGHT	TR
LEAVE DEPOT		FRONT		TURN LEFT	TL
TURN		RIGHT		STRAIGHT ON	SO
TRAVEL TO				ROUNDBOUT	RBT
ANCHOR ROAD BY-PASS				BOUNDARY	BDRY
ROAD	INSTRUCTION/DIRECTION	ROAD	INSTRUCTION/DIRECTION		
<u>START GRITTING</u>		<u>START GRITTING</u>			
Anchor Road BY-PASS	SO	Lichfield Road To Boundary	TURN AROUND		
Little Aston Road	TR	Lichfield Road	TL		
Erdington Road To Foley Road	TURN AROUND	Chester Road To Junc Little Aston Road	TURN AROUND		
Erdington Road	TR	Chester Road To Junc Lichfield Road			
Foley Road West To RBT	TURN AROUND				
Foley Road West	TL	<u>STOP GRITTING</u>			
Chester Road	TL	<u>END OF ROUTE</u>			
Little Aston Road	TR	<u>RETURN TO DEPOT</u>			
Northgate	TL				
Northgate Way	SO				
Brickyard Road	TL				
Leaswood Road To RBT	TURN AROUND				
Leaswood Road	SO				
Stubbers Green Road	TL				
Wharf Approach	TL				
Dumblederry Lane	TL				
Middlemore Lane	TL				
Stubbers Green Road	SO				
Spring Road	TR				
<u>STOP GRITTING</u>					
Walsall Road	TR				
<u>START GRITTING</u>	TR				
Boatmans Lane					
Brickyard Road	TR				
Northgate Way	TR				
Northgate	SO				
Salters Road Junc Lichfield Road	TURN AROUND				
Salters Road					
Northgate	TL				
<u>STOP GRITTING</u>					
Little Aston Road	TL				
Walsall Wood Road	TL				
Leigswood Avenue	TR				
<u>START GRITTING</u>					
Broadmeadow	TR				
Lancaster Avenue	TL				
Walsall Wood Road	TR				
<u>STOP GRITTING</u>					
Salters Road	TR				
Lichfield Road To Chester Road	SO				

WINTER GRITTING ROUTE No.:	7	STANDARD ABBREVIATIONS	
ROUTE PRIORITY	1	TURN RIGHT	TR
LEAVE DEPOT	FRONT	TURN LEFT	TL
TURN	RIGHT	STRAIGHT ON	SO
TRAVEL TO		ROUNDBOUT	RBT
LICHFIELD ROAD BLOXWICH		BOUNDARY	BDRY
ROAD	INSTRUCTION/DIRECTION	ROAD	INSTRUCTION/DIRECTION
<u>START GRITTING</u>		High Street Walsall Wood	TR
Lichfield Road	SO	Mill Road	SO
Wolverhampton Road	TL	Fordbrook	SO
Norton Road	TURN	Vicarage Road	TR
	AROUND		
Norton Road	TL	Norton Road	TR
Vicarage Road	INTO	Lichfield Road	AROUND
			ISLAND
Fordbrook Lane	INTO	Lichfield Road	SO
Mill Road	TL	Wolverhampton Road	SO
Walsall Road	TR	Lichfield Road	
Four Cross's Road	TR		
Mill Road	TL		
Walsall Road	SO		
High Street	INTO		
Lichfield Road	TL	<u>STOP GRITTING</u>	
Chester Road	INTO	<u>END OF ROUTE</u>	
High Street	SO		
Chester Road North	AROUND	<u>RETURN TO DEPOT</u>	
	ISLAND		
Wilkin Road	TL		
Hednesford Road To Boundary	TURN		
	AROUND		
Hendsford Road	TL		
Watling Street	TL		
Whitehorse Road	TR		
Howdles Lane	TR		
Castle Road	TURN		
	AROUND		
Howdles Lane	TR		
Watling Street	TL		
Chester Road North	SO		
High Street	TL		
Ogley Road	TL		
Lichfield Road	TURN		
	AROUND		
Lichfield Road	TR		
Chase Road	TL		
Watling Street	TL		
The Parade	TL		
High Street	TR		
Lichfield Road	TR		
Brownhills Road	SO		
Lindon Road	TR		
High Street	TR		
Lichfield Road	SO		

WINTER GRITTING ROUTE No.:	8	STANDARD ABBREVIATIONS	
ROUTE PRIORITY	1	TURN RIGHT	TR
LEAVE DEPOT	FRONT	TURN LEFT	TL
TURN	LEFT	STRAIGHT ON	SO
TRAVEL TO		ROUNDAABOUT	RBT
		BOUNDARY	BDRY
ROAD	INSTRUCTION/DIRECTION	ROAD	INSTRUCTION/DIRECTION
<u>START GRITTING</u>		Harden Road	TR
Bloxwich Road	SO	Ross Road	SO
Stafford Street	TL	Coalpool Lane	SO
Day Street	TR	Proffit Street	TR
Littleton Street West	TL	Bloxwich Road	SO
Stafford Street	TL	Bloxwich High Street	TR
Wisemore	TL	Lichfield Road	TR
Park Street (Pedestrian)	TR	Park Road	TL
Bradford Place	TR	High Street	TR
Bridgeman Street	TL	Reeves Street	TR
<u>STOP GRITTING</u>		Station Road	TR
Queen Street	Proceed To	Elmore Green Road	TR
<u>START GRITTING</u>		High Street	SO
Green Lane To RBT	TR	Bloxwich Road	SO
Leamore Lane	SO		
Harden Road To RBT	TURN		
Harden Road	AROUND		
Leamore Lane To RBT	SO		
	TR		
Somerfield Road	SO	<u>STOP GRITTING</u>	
Elmore Green Road	SO	Stafford Street	SO
Sandbank	TR	Wisemore	SO
Traffic Lights Into Bell Lane		Townsend	SO
Traffic Lights	TL	Green Lane	TR
Stafford Road To Borough Boundary	TURN	<u>START GRITTING</u>	
	AROUND		
Stafford Road	SO	Hospital Street	TL
Traffic Lights		<u>STOP GRITTING</u>	
High Street	TR	Bloxwich Road	SO
Wolverhampton Road	TR	High Street	TL
The Green	TL	<u>START GRITTING</u>	
Bell Lane	TR	Green Lane to End	
Broad Lane To Boundary	TURN		
	AROUND		
Broad Lane	TL	<u>STOP GRITTING</u>	
Turnberry Road	TURN		
	AROUND		
Turnberry Road	TL	<u>RETURN TO DEPOT</u>	
Broad Lane	TL		
Bell Lane	SO	<u>END OF ROUTE</u>	
Lichfield Road	TR		
Field Road	TL		
Ingram Road	SO		
Walker Road	TL		

WINTER GRITTING ROUTE No.:		9 (1 of 2)	STANDARD ABBREVIATIONS	
ROUTE PRIORITY		2	TURN RIGHT	TR
LEAVE DEPOT		FRONT	TURN LEFT	TL
TURN		RIGHT	STRAIGHT ON	SO
TRAVEL TO			ROUNDBOUT	RBT
LEAMORE LANE JUNC DARWIN ROAD			BOUNDARY	BDRY
ROAD	INSTRUCTION/DIRECTION		ROAD	INSTRUCTION/DIRECTION
START GRITTING				
Leamore Lane Junction Darwin Road	TL		STOP GRITTING	TR
Darwin Road To Stephenson Avenue			Essington Road	TR
STOP GRITTING	TL		Dorchester Road	
Stephenson Avenue To Cavendish Rd	TR		START GRITTING	TL
Cavendish Rd To Bloxwich Lane			Hilton Road To Jones Road	TL
START GRITTING	TR		Moore Road	TR
Bloxwich Road To Leamore Lane	TR		Fletcher Road	
Leamore Lane To Green Lane			STOP GRITTING	TR
STOP GRITTING		TURN	Lichfield Road To Island	TL
AROUND			Cannock Road	
Proceed To Junction Leamore Lane And Fryers Road			START GRITTING	
START GRITTING	TR		Coppice Lane	
Fryers Rd To Junc Leamore Lane	TL		Lucknow Road	TL
Leamore Lane To Willenhall Lane			Spring Lane	TL
Willenhall Lane	TR		STOP GRITTING	
Wood Lane			Sandbeds Road	TL
Bloxwich Road North			START GRITTING	
STOP GRITTING	TR		Mill Lane	TL
Straight Road			STOP GRITTING	
Coltham Road Junc Wesley Road			Lucknow Road	TL
START GRITTING	TR		START GRITTING	
Coltham Rd To Junc Wood Lane	TL		Poolhayes Lane	TO BDRY
Pooles Lane To Junc Byron Road	TR		STOP GRITTING	
Byron Road To Junc Keats Road	TR		Con't along Poolhayes Ln	TL
Keats Road			Broad Lane South	TR
Wordsworth Road To Tennyson Road			START GRITTING	
STOP GRITTING			Fibbersley	SO
Tennyson Rd To Junc Kipling Road	TR		Wellington Place	SO
Kipling Road			Wednesfield Road	TR
Keats Rd To Junc Shelley Rd			Temple Bar	TL
START GRITTING	TR		Moat Street	TR
Shelley Road To Wood Lane			Gower Street	TL
STOP GRITTING	TR		Upper Lichfield Street	TR
Wood Lane Junc Pooles Lane	TR		Lower Lichfield Street	TR
Pooles Lane Junc Bryon Rd			John Street	SO
START GRITTING			Cross Street	TL
			Cheapside	TR
			STOP GRITTING	
			Walsall Street	TR
			START GRITTING	
			Market Pl,Wolverhampton	TL
			Street,Pinson Road,Field Street	SO
			STOP GRITTING	
Pooles Lane			Moat Street	TR
Crab Lane			Gower Street	TR
Sneyd Lane			START GRITTING	
STOP GRITTING	TR		Union Street	
Essington Road	TR		Stafford Street	
START GRITTING			Field Street	SO
Dorchester Road	TR		Pinson Road	TR
Hilton Road	TR		Summer Street	TL
Beacon Road			Aston Road	TL

WINTER GRITTING ROUTE No.:	9 (PAGE 2 OF 2)	STANDARD ABBREVIATIONS	
ROUTE PRIORITY	2	TURN RIGHT	TR
LEAVE DEPOT	FRONT	TURN LEFT	TL
TURN	RIGHT	STRAIGHT ON	SO
TRAVEL TO		ROUNDBOUT	RBT
		BOUNDARY	BDRY

ROAD	INSTRUCTION/DIRECTION	ROAD	INSTRUCTION/DIRECTION
Noose Lane To Railway Crossing	RAILWAY		
<u>STOP GRITTING & RETURN</u>			
Do Not Grit Railway Crossing			
<u>START GRITTING</u>			
Noose Lane From Aston Road	TR		
<u>STOP GRITTING</u>			
Wellington Place	SO		
Wednesfield Road	TL		
<u>START GRITTING</u>			
Bloxwich Road South	SO		
Monmer Lane	SO		
Ashmore Lake Park	TR		
<u>STOP GRITTING</u>			
Spring Lane	TR		
Sandbeds Road	TR		
<u>START GRITTING</u>			
Charles Street	SO		
Stringers Lane	SO		
<u>STOP GRITTING</u>			
Lower Lichfield Street	SO		
Leve Lane	TL		
Walsall Street	TR		
<u>START GRITTING</u>			
Birmingham Street	TL		
<u>STOP GRITTING</u>			
Fisher Street	TL		
Walsall Road	TR		
Albion Street			
<u>START GRITTING</u>	SO		
Albion Road	SO		
Stannes Road	SO		
Thorne Road	TO END		
<u>STOP GRITTING</u>			
<u>END OF ROUTE</u>			
<u>RETURN TO DEPOT</u>			

WINTER GRITTING ROUTE No.:	10	STANDARD ABBREVIATIONS	
ROUTE PRIORITY	2	TURN RIGHT	TR
LEAVE DEPOT	FRONT	TURN LEFT	TL
TURN	RIGHT	STRAIGHT ON	SO
TRAVEL TO		ROUNDAABOUT	RBT
Moat Road		BOUNDARY	BDRY
ROAD	INSTRUCTION/DIRECTION	ROAD	INSTRUCTION/DIRECTION
<u>START GRITTING</u>		<u>START GRITTING</u>	
Moat Road	TR	The Crescent	
Alumwell Road	TL	Willenhall Road	
<u>STOP GRITTING</u>		Bentley Road South	
Wolverhampton Road	TL	Bentley Road North	
<u>START GRITTING</u>		Wolverhampton Road	
Primley Avenue	TR	Queen Elizabeth Avenue	
Reservoir Street	TL	<u>STOP GRITTING</u>	
Woodwards Road	TR	Churchill Road	
Scarborough Road	TL	<u>START GRITTING</u>	
<u>STOP GRITTING</u>		Atlee Road	
Darlaston Road	TL	Poplar Avenue	
Wellington Street	SO	Monmouth Road	
Pleck Road	TL	Bevin Road	
<u>START GRITTING</u>		<u>STOP GRITTING</u>	
Ida Road	SO	Atlee Road	
Alumwell Road	TL	Poplar Avenue	
Blay Avenue	TL	<u>START GRITTING</u>	
<u>STOP GRITTING</u>		Granbourne Road	
Primley Avenue	TL	Stroud Avenue junc Sandbeds	TURN AROUND
<u>START GRITTING</u>		Stroud Avenue	
Jerome Road	TR	Birchtree Hollow Junc Bentley Lane	TURN AROUND
<u>STOP GRITTING</u>		<u>STOP GRITTING</u>	
Durham Avenue	TL	Return Along Birchtree Hollow	
Primley Avenue	TR	<u>START GRITTING</u>	
Reservoir Street	TL	Stroud Avenue	
Woodwards Road	TL	<u>STOP GRITTING</u>	
<u>START GRITTING</u>		Granbourne Road	
ST Johns Road		Poplar Avenue at Junc Atlee Road	
<u>STOP GRITTING</u>		<u>START GRITTING</u>	
Proceed To Churchill Road		Poplar Avenue	
<u>START GRITTING</u>		Kent Road	
Churchill Road	TR	<u>STOP GRITTING</u>	
<u>STOP GRITTING</u>		Pocceed To Old Birchills Off Green Ln	
Wolverhampton Road	TL	<u>START GRITTING</u>	
Traffic Lights	TL	Old Birchills Off Green Ln	SO
		Pargeter Street	TL
		<u>STOP GRITTING</u>	
		Wolverhampton Road	TL
		<u>START GRITTING</u>	
		Hollyhedge Lane	
		Bently Lane junc Bloxwich Road	SO
		<u>STOP GRITTING</u>	
		Travel To Blue Lane East Junc Green Ln	
		<u>START GRITTING</u>	
		Blue Lane East	TL
		Stafford Street	
		<u>STOP GRITTING RETURN TO DEPOT</u>	

WINTER GRITTING ROUTE No.:	11 (1 of 2)	STANDARD ABBREVIATIONS	
ROUTE PRIORITY	2	TURN RIGHT	TR
LEAVE DEPOT	REAR	TURN LEFT	TL
TURN	LEFT	STRAIGHT ON	SO
TRAVEL TO		ROUNDBOUT	RBT
JUNC WOLVERHAMPTON ROAD BENTLEY MILL WAY		BOUNDARY	BDRY
ROAD	INSTRUCTION/DIRECTION	ROAD	INSTRUCTION/DIRECTION
START GRITTING		Park Street	TR
Bentley Mill Way	TR	Wiley Avenue	SO
STOP GRITTING		Park Road	TR
Walsall Road	TL	Forge Road	SO INTO &
START GRITTING		STOP GRITTING	
Park Lane	TR	Wolverhampton Street To Junc Park	
Franchise Street	TL	Street	
Old Park Road		START GRITTING	
Turn Around At Junc With Woden Road		Wolverhampton Street	TL
STOP GRITTING		STOP GRITTING	
Old Park Road		Pinfold Street	TL
START GRITTING		START GRITTING	
Junc Franchise Street	SO	St Lawrence Way To RBT At New Street	
Mill Street	TL	STOP GRITTING	
STOP GRITTING		St Lawrence Way Continue Over RBT	TR
Walsall Road	TR	START GRITTING	
START GRITTING		Church Street	TL
Avenue Road	SO	Victoria Road	SO
Station Street	TR	Bull Street	TURN AROUND
STOP GRITTING		STOP GRITTING	
Walsall Road	TR	Whitton Street Return Along Bull Street	
START GRITTING		Into Victoria Road	TR
Heath Road	SO	Victoria Road	
The Green	TR AT RBT	START GRITTING	
Into & STOP GRITTING		Victoria Road	SO
Midland Road	TL	Richards Street	
START GRITTING		STOP GRITTING	
Willenhall Street	TL	Proceed To Junc Broadway West & Lord Street	
ST Lawrence Way	SO	START GRITTING	
Blockall	SO	Lord Street	
The Green	TURN AROUND	Lord Street	TR
Island At Midland Road		Milton Street	TL
STOP GRITTING		STOP GRITTING	
The Green	SO	Wednesbury Road	TL
Blockall	TR	START GRITTING	
START GRITTING		Bescot Crescent Across Broadway Into	
Addenbrooke Street	SO	Bescot Crescent	TR
Rough Hay Road	TR	Brockhurst Crescent To End	TURN AROUND ACROSS
Hall Street East	TR	Walstead Road West	
STOP GRITTING		West Bromwich Road	
Willenhall Street	TR	Walstead Road	TR
Rough Hay Road	TL	Bell Lane	TR
START GRITTING		STOP GRITTING	
Hall Street	TR	West Bromwich Road	TR
Wolverhampton Street	SO	Walstead Road	TL
Darlaston Road	TL	START GRITTING	
STOP GRITTING		Delves Green Road	ACROSS INTO
Willenhall Road	TL	Broadway into delves road into	

St Chads Road	TL	West Bromwich Road	TURN AROUND
Lunt Road	TL	<u>STOP GRITTING</u>	
Darlaston Lane	SO	Delves Road	ACROSS INTO
Wolverhampton Street To Junc Hall Street		Broadway	
		Delves Green Road	ACROSS INTO
<u>START GRITTING</u>		Walstead Road	
Wolverhampton Street	TR		

WINTER GRITTING ROUTE No.:	11 (2 Of 2)	STANDARD ABBREVIATIONS	
ROUTE PRIORITY	2	TURN RIGHT	TR
LEAVE DEPOT	FRONT	TURN LEFT	TL
TURN	RIGHT	STRAIGHT ON	SO
TRAVEL TO		ROUNDBOUT	RBT
		BOUNDARY	BDRY
ROAD	INSTRUCTION/DIRECTION	ROAD	INSTRUCTION/DIRECTION
<u>START GRITTING</u> Delves Green Road	TL		
<u>STOP GRITTING</u> Bell Lane	TR		
<u>START GRITTING</u> Walstead Road			
<u>STOP GRITTING</u>			
<u>END OF ROUTE</u>			
<u>RETURN TO DEPOT</u>			

WINTER GRITTING ROUTE No.:	12 (1 Of 2)	STANDARD ABBREVIATIONS	
ROUTE PRIORITY	2	TURN RIGHT	TR
LEAVE DEPOT	FRONT	TURN LEFT	TL
TURN	LEFT	STRAIGHT ON	SO
TRAVEL TO		ROUNDBOUT	RBT
BLACKWOOD ROAD JUNC FOLEY ROAD WEST		BOUNDARY	BDRY
ROAD	INSTRUCTION/DIRECTION	ROAD	INSTRUCTION/DIRECTION
<u>START GRITTING</u>		<u>STOP GRITTING</u>	
Blackwood Road	SO	Reaburn Road	TL
Ferndale Road	TL	Hillingford Avenue	ACROSS
Bridle Lane	ACROSS	Frampton Way To JUNC	ACROSS
Chester Road	INTO	Stanfield Road	
Manor Road	SO TO BDRY	<u>START GRITTING</u>	
<u>STOP GRITTING</u>	RETURN	Frampton Road	TL
Chester Road	ACROSS	<u>STOP GRITTING</u>	
<u>START GRITTING</u>	INTO	Doe Bank Road	TL
Bridle Ln From Ferndale Rd		<u>START GRITTING</u>	
Hundred Acre Road	TL	Bridge Lane	TR
Brabham Crescent		<u>STOP GRITTING</u>	
Hundred Acre Road		Beacon Road	TL
<u>STOP GRITTING</u>		<u>START GRITTING</u>	
Return to Bridle Lane	TL	Pinfold Lane To Junc Old Hall Lane	
<u>START GRITTING</u>		<u>STOP GRITTING</u>	
Bridle Lane	ACROSS	<u>PROCEED TO</u>	
<u>STOP GRITTING</u>		<u>JUNCTION BIRMINGHAM ROAD</u>	
Aldridge Road	ACROSS	<u>AND PARK ROAD</u>	
<u>START GRITTING</u>		<u>START GRITTING</u>	
Bridle Lane	TL	Park Road	TR
Doe Bank Lane	TR	Skip Lane To End and return Along	
Queslett Road	TR	Skip Lane	TL
Stanhope Way	TL	Park Hall Road	TL
Romney Way To Queslett Rd RBT		Lodge Road	TL
<u>STOP GRITTING</u>		<u>STOP GRITTING</u>	
Return		Park Road	TL
<u>START GRITTING</u>		SKIP Lane	TL
Bonnington Way		Park Hall Road	TR
Wimperis Way	TL	<u>START GRITTING</u>	
<u>STOP GRITTING</u>		Launceston Road	TR
Beacon Road	TR	Liskeard Road	TL
<u>START GRITTING</u>		Redruth Road	TL
Waverley Avenue		Truro Road	TL
Park Farm Road		Penryn Road (Truro Road)	TR
Foxwood Avenue		Liskeard Road	TL
Ivanhoe Road		Falmouth Road	TR
		<u>STOP GRITTING</u>	
		Launceston Road	TR
		<u>START GRITTING</u>	
		Park HALL Road	TL
		Lonsdale Road	TL
		<u>STOP GRITTING</u>	
		Bell Road	TL
		Scott Road	
		Lonsdale Road	TL
		<u>START GRITTING</u>	
		Park Hall Road	
		Springvale Av	TL
		Barry Road	TR
		Lake Avenue	TL
Stonehurst Road			
Moreton Avenue	TL		
<u>STOP GRITTING</u>			
Beacon Road	TR		
START GRITTING			
Hillingford Avenue	TL		
Stanfield Road	TL		
Pomeroy Road	TL		

WINTER GRITTING ROUTE No.:	12 (2 Of 2)	STANDARD ABBREVIATIONS	
ROUTE PRIORITY	2	TURN RIGHT	TR
LEAVE DEPOT	REAR	TURN LEFT	TL
TURN	LEFT	STRAIGHT ON	SO
TRAVEL TO		ROUNDBOUT	RBT
		BOUNDARY	BDRY
ROAD	INSTRUCTION/DIRECTION	ROAD	INSTRUCTION/DIRECTION
Greaves Avenue	TL		
<u>STOP GRITTING</u>			
Sutton Road	TL		
<u>START GRITTING</u>			
Gillity Avenue	TL		
Lake Avenue	TR		
<u>STOP GRITTING</u>			
<u>Cornwall Road</u>	SO		
<u>START GRITTING</u>			
Athlone Road	TR		
Greaves Avenue	TR		
Athlone Road			
<u>STOP GRITTING</u>			
<u>END OF ROUTE</u>			

WINTER GRITTING ROUTE No.:	13	STANDARD ABBREVIATIONS	
ROUTE PRIORITY	2	TURN RIGHT	TR
LEAVE DEPOT	FRONT	TURN LEFT	TL
TURN	LEFT	STRAIGHT ON	SO
TRAVEL TO		ROUNDBOUT	RBT
WOOD LANE JUNC FOLEY ROAD WEST		BOUNDARY	BDRY
ROAD	INSTRUCTION/DIRECTION	ROAD	INSTRUCTION/DIRECTION
<u>START GRITTING</u>		<u>STOP GRITTING</u>	
Wood Lane	TR	Lazy Hill Road	TL
Hardwick Road To Brough Boundary	TURN AROUND	Chester Road	TR
Hardwick Road		<u>START GRITTING</u>	
Barr Common Road	TR	Castlehill Road	
Knights Hill	TL	Brookland Road	
<u>STOP GRITTING</u>		<u>STOP GRITTING</u>	
Erdington Road To Junction Of		<u>END OF ROUTE</u>	
Whetstone Lane	TL	<u>RETURN TO DEPOT</u>	
<u>START GRITTING</u>			
Whetstone Lane	TL		
<u>STOP GRITTING</u>			
Portland Road	TR		
Anchor Road BY-Pass			
Little Aston Road	TL		
<u>START GRITTING</u>			
Walsall Wood Road	TL		
Leaswood Avenue	TL		
<u>STOP GRITTING</u>			
Leaswood Road			
Little Aston Road	TL		
Walsall Wood Road To Junction	SO		
Leaswood Avenue			
<u>START GRITTING</u>			
Walsall Wood Road	TR		
Stonnal Road			
Birch Lane	TL		
<u>STOP GRITTING</u>			
Chester Road	TR		
<u>START GRITTING</u>			
Lazy Hill Road	TL		
Walsall Wood Road	TR		
<u>STOP GRITTING</u>			
Leaswood Road	TR		
<u>START GRITTING</u>			
Wellfield Road			
Brookfield Road	TL		
Herbert Road	TL		
Walton Road To Northgate	TURN AROUND		
Walton Avenue	TL		
<u>STOP GRITTING</u>			
Walsall Wood Road			
<u>START GRITTING</u>			
Greenwood Road	TR		
Kinghayes Road	TL		

WINTER GRITTING ROUTE No.:	14	STANDARD ABBREVIATIONS	
ROUTE PRIORITY	2	TURN RIGHT	TR
LEAVE DEPOT	FRONT	TURN LEFT	TL
TURN	RIGHT	STRAIGHT ON	SO
TRAVEL TO		ROUNDABOUT	RBT
BARNS LANE JUNC STUBBERS GREEN ROAD		BOUNDARY	BDRY
ROAD	INSTRUCTION/DIRECTION	ROAD	INSTRUCTION/DIRECTION
<u>START GRITTING</u>		<u>START GRITTING</u>	
Barns Lane Junc Stubbers Green Road	TR	Rowley Street	TR
Barns Lane	TR	Walhouse Road	TL
Winterly Lane To Junc Lichfield Road	TURN AROUND	Pershouse Street	GRIT INTO
Winterly Lane	TR	Union Street	TR
Daw End Lane Juc Lichfield Road	TURN AROUND	Wedge Street	TR
Daw End Lane		<u>STOP GRITTING</u>	
King George Crescent		Lower Rushall Street	TR
Floyds Lane		<u>START GRITTING</u>	
Daw End Lane		Holtshill Lane	SO
Bosty Lane	TR	Lincoln Road	TL
Birmingham Road	TL	<u>STOP GRITTING</u>	
<u>STOP GRITTING</u>		Calder Avenue	TL
Walsall Road	TR	Walhouse Road	TL
<u>START GRITTING</u>		<u>START GRITTING</u>	
Paddock Lane		Charlotte Street	TL
Dumblederry Lane	TL	Lincoln Road	TL
Middlemore Lane West	TL	<u>STOP GRITTING</u>	
<u>STOP GRITTING</u>		Broadway North	TL
Bosty Lane		<u>START GRITTING</u>	
<u>START GRITTING</u>		Princes Avenue	TR
Redhouse Lane		Willows Lane	TL
<u>STOP GRITTING</u>		Chuckery Road	TR
Dumblederry Lane to Junc		Thong Street	TR
Middlemore Lane West		Lincoln Road	TR
<u>START GRITTING</u>		Beacon Street	SO
Dumblederry Lane	TL	Lumley Road	SO
Westgate		Kinnerley Street	SO
<u>STOP GRITTING</u>		Burleigh Street	
Barns Lane	TR	Box Street	
Winterley Lane	TL	Pool Street	TL
Lichfield Road To Mellish Rd RBT		<u>STOP GRITTING</u>	
<u>START GRITTING</u>		Springhill Road	TL
Buvhanan Road		Sutton Road	TL
Cameron Road		<u>START GRITTING</u>	
Fernleigh Road	TL	The Crescent	SO
<u>STOP GRITTING</u>		Turn Around @ Sutton Road	
Mellish Road	TR	Return Along	
<u>START GRITTING</u>		The Crescent	TR
Rushall Manor Drive	TR	STOP GRITTING	
Stencills Road	TR	Sutton Road	TL
Melish Drive		<u>START GRITTING</u>	
<u>STOP GRITTING</u>		Lysways Street	
Mellish Road		Across Sandwell Street	INTO
Lichfird Street	TL	Newhall Street	
Across Arboretum RBT	INTO	Across Bath Street	INTO
Lower Rushall Street	TL	Little Caldmore	TR
<u>START GRITTING</u>		<u>STOP GRITTING</u>	
Walhouse Road	TL	Caldmore Road	TL
<u>STOP GRITTING</u>		<u>START GRITTING</u>	
Broadway North	TL	Glebe Street	
		<u>STOP GRITTING END OF ROUTE.</u>	

	15	STANDARD ABBREVIATIONS	
ROUTE PRIORITY	2	TURN RIGHT	TR
LEAVE DEPOT	FRONT	TURN LEFT	TL
TURN	RIGHT	STRAIGHT ON	SO
TRAVEL TO		ROUNDABOUT	RBT
COPPICE LANE JUNCTION WITH CHESTER ROAD NORTH		BOUNDARY	BDRY
ROAD	INSTRUCTION/DIRECTION	ROAD	INSTRUCTION/DIRECTION
<u>START GRITTING</u>		Church Way	TL
Coppice Lane Junct Chester Road North	TL	Spring Lane	TR
Coppice Side	TL	Coronation Road	TR
<u>STOP GRITTING</u>		Broadway	TR
Pelsall Road	TR	Broad Lane	TR
<u>START GRITTING</u>		Harrison Road	TR
Clayhanger Lane		Spring Lane	TL
Bridge Street		Coronation Road	TR
Clayhanger Road	TR	<u>STOP GRITTING</u>	
<u>STOP GRITTING</u>		Vicarage Road	TR
Lindon Road	TR	<u>START GRITTING</u>	
<u>START GRITTING</u>		Vicarage Road To End	
Coppice Road	TR	<u>STOP GRITTING</u>	
Maybrook Road	TR	<u>END OF ROUTE</u>	
Clayhanger Road	TL	<u>RETURN TO DEPOT</u>	
<u>STOP GRITTING</u>			
Lindon Road	TR		
<u>START GRITTING</u>			
Commonside			
Occupation Road	TR		
<u>STOP GRITTING</u>			
Brownhills Road	TR		
<u>START GRITTING</u>			
Friezland Lane	TR		
<u>STOP GRITTING</u>			
Chester Road	TR		
<u>START GRITTING</u>			
Adams Road	TR		
ST Marks Road	TL		
<u>STOP GRITTING</u>			
Friezland Lane	TL		
Brownhills Road	TL		
Lichfield Road	TR		
<u>START GRITTING</u>			
Shire Ridge			
Wolverson Road	TR		
<u>STOP GRITTING</u>			
Coppice Road To Junc Brownhills Road	TL		
<u>START GRITTING</u>			
Coppice Road To Lichfield Road	TURN AROUND		
Coppice Road	TL		
Camden Street	TL		
Green Lane	TR		
<u>STOP GRITTING</u>			
Mill Road	TR		
<u>START GRITTING</u>			
Broad Lane	TL		
Broadway	TL		
Coronation Road	TL		
Field Lane	TL		

WINTER GRITTING ROUTE No.:	16	STANDARD ABBREVIATIONS	
ROUTE PRIORITY	2	TURN RIGHT	TR
LEAVE DEPOT	FRONT	TURN LEFT	TL
TURN	LEFT	STRAIGHT ON	SO
TRAVEL TO		ROUNDBOUT	RBT
HATHERTON STREET		BOUNDARY	BDRY
ROAD	INSTRUCTION/DIRECTION	ROAD	INSTRUCTION/DIRECTION
<u>START GRITTING</u>		Green Rock Lane	TR
Hatherton Street	TL	Abbots Street	TR
North Street		STOP GRITTING	
Marlow Street	TR	Lichfield Road	TL
Proffit Street	TR		
North Street	TL	<u>START GRITTING</u>	
Butts Road	TL	Stoney Lane	TR
Mill Road	TR	Fishley Lane To Borough Boundary	TURN AROUND
<u>STOP GRITTING</u>			
Coalpool Lane To Junc Ross Road	SO	Fishley Lane	TR
<u>START GRITTING</u>		Buxton Road To RBT	TR
Coalpool Lane	TR	Sanstone Road	TL
<u>STOP GRITTING</u>		<u>STOP GRITTING</u>	
Harden Road To RBT	TL	Stafford Road	TL
<u>START GRITTING</u>		<u>START GRITTING</u>	
Goscote Lane		Stoney Lane	TL
Livingston Road	TR	Sanstone Road To RBT	TR
<u>STOP GRITTING</u>		Buxton Road	TR
Lichfield Road		Stoney Lane	
Wolverhampton Road	TR	Selmens Hill	SO
<u>START GRITTING</u>		Field Road	TR
Foundary Lane		Woodhall Street	TR
Allens Lane	TL	Church Street	TR
<u>STOP GRITTING</u>		Pinfold	TR
Walsall Road	TR	<u>STOP GRITTING</u>	
<u>START GRITTING</u>		High Street	TL
Hall Lane		<u>START GRITTING</u>	
Mouse Hill	TR	Elmore Row	TR
		<u>STOP GRITTING</u>	
		Elmore Green Road	TR
		<u>START GRITTING</u>	
		Marlborough Street	TL
		New Street	TL
		Clarendon Street	TR
		Elmore Green Road	TR
		Sandbank	
		<u>STOP GRITTING AND PROCEED TO</u>	
		<u>BLAKENHALL LANE JUNC</u>	
		<u>BLOXWICH ROAD</u>	
		<u>START GRITTING</u>	
Goscote Lane	TR	Blakenhall Lane To End	TL
Goscote Lane	ACROSS TO		
Thames Road	TR	<u>STOP GRITTING</u>	
<u>STOP GRITTING</u>		<u>PROCEED TO FORREST LANE</u>	
Barracks Lane	TR	<u>START GRITTING</u>	
Ingram Road	TR	Forrest Lane	SO
<u>START GRITTING</u>		Dartmouth Avenue To End	
Green Rock Lane	TR		
<u>STOP GRITTING</u>		<u>STOP GRITTING</u>	
Mersey Road	TL		
Thames Road	TL	<u>END OF ROUTE</u>	
<u>START GRITTING</u>			
Livingston Road	TL	<u>RETURN TO DEPOT</u>	

**Appendix 3:
Details of Town Centre Footway Snow Clearing
Routes**

Walsall Town Centre – Hand Gritting

Footway gritting route No. 1
Priority Route 1

Road	Instruction / Direction
<u>START GRITTING</u>	
STAFFORD ST JUNCTION OF LITTLETON ST	PROCEED TO
TOWNEND SQUARE	TURN INTO
ST PAULS STREET TO HATHERTON ROAD	TURN LEFT
HATHERTON ROAD TO LICHFIELD ST	RETURN TO
<u>STOP GRITTING</u>	
HATHERTON STREET	
<u>START GRITTING</u>	
HATHERTON STREET TO LITTLETON ST	
LITTLETON STREET TO LOWER FOSTER ST	TURN RIGHT
LOWER FOSTER ST TO HATHERTON ROAD	TURN RIGHT
HATHERTON ROAD TO LICHFIELD ST	TURN LEFT
LICHFIELD ST TO JUNCTION OF BROADWAY	TURN LEFT
<u>STOP GRITTING</u>	
LICHFIELD ST JUNCTION HATHERTON ROAD	RETURN TO
<u>START GRITTING</u>	
LICHFIELD ST TO LEICESTER ST	PROCEED TO
LICHFIELD STREET	TURN RIGHT
DARWALL ST TO BRIDGE ST	TURN LEFT
DARWALL ST TO HATHERTON ST	TURN AROUND
DARWALL TO TOWER STREET	TURN AROUND
TOWER ST TO LICHFIELD ST	TURN LEFT
<u>STOP GRITTING</u>	
LICHFIELD ST JUNCTION BRIDGE ST	PROCEED TO
<u>START GRITTING</u>	
BRIDGE ST TO ST PAULS ST	INTO
ST PAULS ST TO BUTLERS PASSAGE	TURN LEFT
BUTLERS PASSAGE	TURN RIGHT
PARK ST	PROCEED TO
WISEMORE	TURN LEFT
MARSH ST TO STATION ST	TURN LEFT
STATION ST TO PARK ST	TURN LEFT
STATION ST TO BRIDGEMAN ST	TURN AROUND
BRIDGEMAN ST TO BRADFORD PLACE	TURN LEFT
BRADFORD PLACE TO BRADFORD ST	TURN RIGHT
BRADFORD ST TO VICARAGE PLACE	TURN RIGHT
<u>STOP GRITTING</u>	TURN AROUND
BRADFORD ST JUNCTION BRADFORD PLACE	PROCEED TO
<u>START GRITTING</u>	
BRADFORD PLACE	
BRADFORD ST	PROCEED TO

THE BRIDGE BRIDGE ST STOP GRITTING	PROCEED TO PROCEED TO
---	--------------------------

Walsall Town Centre – Hand Gritting

Footway gritting route No. 2
Priority Route 1

Road	Instruction / Direction
<u>START GRITTING</u>	
LOWER RUSHALL ST AT JUNCTION OF BROADWAY	PROCEED ALONG
LOWER RUSHALL ST TO WHITTIMERE ST	TURN RIGHT
WHITTIMERE ST TO INTOWN ROW	
GRIT ALL INTOWN ROW	RETURN TO
LOWER RUSHALL ST	TURN RIGHT
LOWER RUSHALL ST TO WAREWELL ST	TURN LEFT
WAREWELL ST TO UNION ST	TURN RIGHT
UNION ST TO PADDOCK LANE	TURN RIGHT
PADDOCK LANE TO BALL ST	TURN RIGHT
BALL ST TO WAREWELL ST	TURN AROUND, RETURN TO
PADDOCK LANE	TURN RIGHT
PADDOCK LANE TO ABLEWELL ST	TURN RIGHT
ABLEWELL ST TO TANTARRA ST	TURN LEFT
TANTARRA ST ABLEWELL ST	TURN LEFT
ABLEWELL ST TO BOTT LANE	TURN LEFT
BOTT LANE TO UNION ST	TURN LEFT
UNION ST TO PADDOCK LANE	TURN LEFT
<u>STOP GRITTING</u>	PROCEED ALONG
PADDOCK LANE TO ABLEWELL ST	TURN LEFT
<u>START GRITTING</u>	
UPPER RUSHALL ST	PROCEED TO
PEAL ST	PROCEED TO
DUDLEY ST TO JUNCTION OF UPPER HALL LANE	FOLLOW
UPPER HALL LANE TO CALDMORE ROAD	TURN LEFT
CALDMORE ROAD TO DUDLEY ST	
<u>STOP GRITTING</u>	RETURN TO
CALDMORE ROAD JUNCTION UPPER HALL ST	
<u>START GRITTING</u>	
CALDMORE RD JUNCTION UPPER HALL LANE TO JUNCTION LOWER HALL LANE	PROCEED TO
LOWER HALL LANE TO END	TURN RIGHT
<u>STOP GRITTING</u>	TURN AROUND AND PROCEED TO
JUNCTION NEWPORT ST	TURN RIGHT
<u>START GRITTING</u>	
NEWPORT ST TO LITTLE NEWPORT ST	TURN LEFT
LITTLE NEWPORT ST TO END	
<u>STOP GRITTING</u>	TURN AROUND AND RETURN TO

NEWPORT STREET START GRITTING NEWPORT ST TO BRADFORD ST STOP GRITTING BRADFORD ST JUNCTION WITH CALDMORE ROAD START GRITTING CALDMORE ROAD TO BRADFORD LANE BRADFORD LANE TO VICARAGE PLACE VICARAGE PLACE TO MOUNTRATH ST MOUNTRATH ST TO CALDMORE ROAD CALDMORE TO VICARAGE PLACE VICARAGE PLACE TO JUNCTION BRADFORD ST STOP GRITTING DUDLEY ST JUNCTION GEORGE ST START GRITTING GEORGE ST TO HIGH ST HIGH ST TO GOODALL ST GOODALL ST TO BRIDGE ST STOP GRITTING GOODALL ST JUNCTION FREER ST START GRITTING FREER ST TO UPPER BRIDGE ST UPPER BRIDGE ST TO LOWER RUSHALL ST STOP GRITTING	TURN LEFT TURN LEFT AND PROCEED TO TURN RIGHT TURN LEFT TURN LEFT TURN RIGHT TURN RIGHT TURN AROUND AND PROCEED TO TURN LEFT TURN RIGHT TURN LEFT TURN AROUND AND RETURN TO TURN RIGHT TURN RIGHT
---	--

Darlaston Town Centre – Hand Gritting

Footway gritting route No. 3
Priority Route 1

Road	Instruction / Direction
START GRITTING NEW STREET JUNCTION OF CHURCH STREET JUNCTION OF ST LAWRENCE WAY ST LAWRENCE WAY TO JUNCTION PINFOLD STREET PINFOLD STREET TO END OF SHOPS PINFOLD STREET TO KING STREET PRECINCT KING STREET PRECINCT TO THE FOLD THE FOLD KING STREET PRECINCT TO NEW STREET VICTORIA ROAD TO SLATER STREET RETURN TO JUNCTION OF CRESCENT ROAD AND VICTORIA ROAD CRESCENT ROAD TO PICTUREDROME WAY PICTURE ROAD WAY TO INCLUDE	PROCEED TO TURN LEFT TURN RIGHT TURN AROUND TURN LEFT TURN LEFT TURN LEFT TURN RIGHT TURN AROUND TURN LEFT TURN RIGHT

ALLEY WAY FROM PICTUREDROME WAY TO KING STREET PRECINCT CRESCENT ROAD TO WALSALL ROAD WALSALL ROAD TO END OF SHOPS STOP GRITTING	TURN RIGHT TURN LEFT
---	-------------------------

Willenhall Town Centre – Hand Gritting

Footway gritting route No. 4
 Priority Route 1

Road	Instruction / Direction
START GRITTING	
WAKES GROUND CAR PARK	PROCEED TO
WALSALL ST TO JUNCTION OF BATH ST	TO END AND RETURN
WALSALL STREET TO BILSTON ST	TURN LEFT
BILSTON STREET TO END OF SHOPS	RETURN
NEW ROAD TO END OF SHOPS	RETURN
BUS STOP AT END OF MARKET PLACE	TURN LEFT
MARKET PLACE TO JUNCTION WOLVERHAMPTON STREET	TURN LEFT
WOLVERHAMPTON STREET TO JUNCTION OF GOMER STREET	TURN RIGHT
GOMER ST TO HEALTH CENTRE	RETURN TO
STOP GRITTING	
JUNCTION WOLVERHAMPTON STREET AND MARKET PLACE	TURN LEFT
START GRITTING	
STAFFORD STREET (TO INCLUDE ALL ALLYWAYS) TO TEMPLE BAR ISLAND	RETURN TO
STOP GRITTING	
STAFFORD STREET TO JUNCTION OF UNION STREET	TURN LEFT
START GRITTING	
UNION ST TO JUNCTION OF LICHFIELD ST	TURN RIGHT
LICHFIELD ST TO JUNCTION OF CLEMSON STREET	TURN LEFT
CLEMSON ST TO END	TURN LEFT, PROCEED TO
LOWER LICHFIELD ST	TURN RIGHT
LOWER LICHFIELD ST TO JUNCTION LICHFIELD ST	TURN RIGHT
LICHFIELD ST TO ANGEL PASSAGE	TURN LEFT
ANGEL PASSAGE TO MARKET PLACE	TURN LEFT
MARKET PLACE TO PASSAGEWAY	TURN LEFT
PASSAGEWAY TO LICHFIELD ST	TURN LEFT
LICHFIELD ST TO CROSS ST	TURN LEFT
CROSS ST TO MARKET PLACE	RETURN TO
LICHFIELD ST	TURN RIGHT
LICHFIELD ST TO JUNCTION OF WALSALL ST	
STOP GRITTING	

Bloxwich Town Centre – Hand Gritting

Footway gritting route No. 5
Priority Route 1

Road	Instruction / Direction
<u>START GRITTING</u>	
THE PINFOLD BY HEALTH CENTRE HIGH STREET	PROCEED TO TURN RIGHT AND PROCEED TO
ALONG HIGH STREET TO JUNCTION PARK ROAD	PROCEED ALONG
PARK ROAD TO JUNCTION TO JUNCTION CEMETERY WAY	TURN RIGHT
CEMETERY WAY TO END JUNCTION PARK ROAD	RETURN TO TURN RIGHT
PARK ROAD TO JUNCTION OF LICHFIELD ROAD	TURN LEFT
LICHFIELD ROAD TO JUNCTION OF HIGH STREET	TURN LEFT
HIGH STREET TO JUNCTION OF WOLVERHAMPTON ROAD	TURN RIGHT
WOLVERHAMPTON ROAD TO SAMUAL ST	TURN LEFT
SAMUEL ST TO JUNCTION HIGH STREET	TURN RIGHT
HIGH STREET TO JUNCTION MARKET PLACE	TURN INTO
MARKET SQUARE, GRIT MARKET SQUARE (INCLUDING WALK WAY TO ELMORE ROW CAR PARK)	TURN RIGHT INTO
ELMORE ROW	PROCEED TO
JUNCTION TO ELMORE GREEN	TURN LEFT
ELMORE GREEN TO JUNCTION HIGH STREET	TURN AROUND PROCEED TO
CHURCH MOAT WAY JUNCTION ELMORE GREEN	TURN RIGHT
CHURCH MOAT WAY TO JUNCTION ELMORE ROAD	TURN RIGHT
ELMORE ROW TO HIGH STREET	TURN RIGHT
<u>STOP GRITTING</u>	

Brownhills Town Centre – Hand Gritting

Footway gritting route No. 6
Priority Route 1

Road	Instruction / Direction
<u>START GRITTING</u>	
SILVER STREET JUNCTION HIGH ST	PROCEED ALONG
SILVER STREET TO HIGH STREET	TURN LEFT
HIGH ST TO MARKET PLACE	TURN LEFT
MARKET PLACE	TURN LEFT
HIGH STREET TO RAVESCROFT (TO INCLUDE ALL PASSAGEWAYS)	TURN INTO

RAVENS CROFT AND GRIT RAVENS CROFT INCLUDING STEPS TO CAR PARK HIGH STREET HIGH STREET TO ISLAND HIGH STREET TO CHURCH ROAD CHURCH ROAD TO SHORT STREET SHORT STREET TO GREAT CHARLES STREET SHORT STREET TO BRICKLIN STREET BRICKLIN STREET TO HIGH STREET <u>STOP GRITTING</u>	RETUN TO TURN LEFT TURN AROUND TURN LEFT TURN LEFT TURN AROUND TURN RIGHT
--	---

Aldridge Town Centre – Hand Gritting

Footway gritting route No. 7
Priority Route 1

Road	Instruction / Direction
<u>START GRITTING</u> ROOKERY LANE JUNCTION PORTLAND ROAD PORTLAND ROAD TO LIBRARY LIBRARY TO MAGISTRATES COURT ROOKERY LANE ROOKERY LANE TO LITTLE ASTON ROAD LITTLE ASTON ROAD TO ANCHOR ROAD HIGH STREET TO END INCLUDING BAKERS LANE <u>STOP GRITTING</u> LEIGHSWOOD ROAD <u>START GRITTING</u> LEIGHSWOOD ROAD INFRONT OF SHOPS JUNCTION OF ANCHOR ROAD BYPASS AND ANCHOR ROAD ANCHOR ROAD TO PORTLAND ROAD PORTLAND ROAD TO ROOKERY LANE <u>STOP GRITTING</u>	PROCEED ALONG TURN RIGHT TURN AROUND AND RETURN TO TURN LEFT TURN LEFT TURN LEFT TURN AROUND AND PROCEED TO TURN AROUND AND PROCEED TO TURN RIGHT TURN LEFT

APPENDIX 4: LOCATION OF SALT BINS

Ref No:	Location	No.	Type
1	Barr Common Road, Aldridge - opp no 42	1	Concrete
2	Barr Common Close, Aldridge	1	Concrete
3	Erdington Road, Streetly - outside no 119	1	Plastic
4	Lawson Close, Aldridge	1	Plastic
5	Charlesdale Drive, Aldridge	1	Plastic
6	Ridgeway, Aldridge	1	Plastic
7	Vale View, Aldridge	1	Plastic
8	Beaufort Way, Aldridge	1	Plastic
9	Whetsone Lane, Aldridge	1	Plastic
10	Churnhill Road, Aldridge	1	Plastic
11	Walsall Road junc Station Road, Aldridge	1	Concrete
12	Aldridge Road, Streetly	1	Concrete
13	Berryfields junc Linley Wood Road, Aldridge	1	Plastic
14	Greenwood Road/Hillside, Aldridge - junc of Hill View	1	Plastic
15	Willenhall Lane, Bloxwich	1	Concrete
16	Beatrice Street, Bloxwich - junc Green Lane	1	Plastic
17	Broad Lane, Bloxwich	1	Plastic
18	Ambergate Close, Bloxwich - outside no 4	1	Plastic
19	Selmans Hill, Bloxwich - opp no 54	1	Concrete
20	Stoney Lane, Bloxwich - opp no 73	1	Concrete
21	Stoney Lane, Bloxwich - opp no 143	1	Concrete
22	Stoney Lane, Bloxwich - junc Millfield Avenue	1	Concrete
23	Byeways, Bloxwich - side of no 91	1	Concrete
24	Byways, Bloxwich - opp no 2	1	Concrete
25	Livingston Road, Bloxwich - junc Green Road Lane	1	Concrete
26	Harden Road, Goscote	1	Plastic
27	Coalpool Lane, Harden	1	Plastic
28	Raymond Close, North Walsall - opp no 8	1	Concrete
29	Sneyd Lane, Willenhall	1	Plastic
30	Latimer Street, Willenhall - side of no 13	1	Plastic
31	The Crescent, Willenhall	1	Plastic
32	The Crescent, Willenhall - o/s Robin Hood Garage	1	Concrete
33	Straight Road, Willenhall	1	Plastic
34	Bilston Street, Willenhall - on bridge before Rosehill Gardens	1	Plastic
35	Monmore Lane, Willenhall - on bridge before the garage	1	Plastic
36	Albion Road, Willenhall - side of no 48	1	Plastic
37	Hayley Street, Willenhall - o/s Cenataph	1	Plastic
38	Somerford Place, Willenhall - beofre the bridge on right	1	Concrete
39	Pinson Road, Willenhall - o/s Shakespear Pub	1	Plastic
40	Coppice Lane, Willenhall	1	Plastic
41	Coltham Road, Willenhall - junc Wood Lane	1	Plastic
42	Gough Street, Willenhall - junc Stroud Avenue	1	Plastic
43	Bridgenorth Grove, Willenhall	1	Plastic
44	Banks Street, Willenhall - junc Ames Street	1	Concrete
45	Leamore Lane, Bloxwich - junc Reaymeare Close	1	Concrete
46	Lichfield Road, Brownhills - junc Shire Ridge	1	Concrete

47	Cedar Avenue, Brownhills	1	Plastic
48	Chase Road, Brownhills	1	Plastic
49	Short Street, Brownhills - o/s St James House	1	Concrete
50	Castle Street, Brownhills - junc Castle Close	1	Plastic
51	Tamworth Close, Brownhills - o/s The Flats	1	Plastic
52	Marklew Close, Brownhills	1	Concrete
53	St Johns Road, Brownhills - o/s no 18	1	Plastic
54	Lichfield Road, Brownhills - junc Chester Road	1	Plastic
55	Knaves Castle Avenue, Brownhills	1	Plastic
56	Lichfield Road, Sandhills, Brownhills - opp no 2	1	Concrete
57	Lichfield Road, Sandhills, Brownhills - opp no 52	1	Concrete
58	Lichfield Road, Sandhills, Brownhills - opp no 84	1	Concrete
59	Valley View, Brownhills - junc Gateshill Road	1	Plastic
60	Simmonds Place, Brownhills - junc Hillside	1	Plastic
61	Hillside, Brownhills junc Feiezland Lane	1	Plastic
62	New Road, Brownhills	1	Plastic
63	Church Street, Clayhanger junc High Street - o/s beauty salon	1	Plastic
64	Maybrook Road, Walsall Wood opp Heath Yards	1	Concrete
65	Maybrook Road, Walsall Wood junc Coppice Road	1	Concrete
66	Maybrook Road, Walsall Wood o/s Frans Maan	1	Plastic
67	Boatmans Lane, Walsall Wood - junc Queen Street	1	Concrete
68	High Street, Walsall Wood - o/s St Johns Medical Centre	1	Plastic
69	Licfield Road, Walsall Wood - junc Coppice Road by bus shelter	1	Concrete
70	Camden Street, Walsall Wood - junc black cock bridge	1	Concrete
71	Blakemore Road, Walsall Wood	1	Plastic
72	Castlefort Road, Walsall Wood - junc Fort Crescent	1	Plastic
73	Holland Way, Walsall Wood	1	Plastic
74	New Street, Shelfield	1	Plastic
75	Fordbrook Lane, High Heath - opp no 72	1	Plastic
76	Hawthorne Road, Shelfield - junc Lichfield Road	1	Plastic
77	Clockmill Road, Pelsall - junc Clcokmill Avenue	1	Plastic
78	Walsall Road , Rushall - Pelsall Lane - opp no 2	1	Concrete
79	New Street, Rushall - junc Rowley Place	1	Concrete
80	Aldridge Road, Walsall - opp Goodfellows Garage	1	Concrete
81	West Bromwich Road, Walsall - next to lamp column 15	1	Concrete
82	Caldmore Road, Walsall - Nest to lamp column 54 - opp no 54	1	Plastic
83	Glebe Street, Walsall - o/s Social Security Building	1	Plastic
84	Bridgeman Street, Walsall - opp Station Street	1	Plastic
85	Vicarage Walk, Caldmore, Walsall - near to no 13	1	Plastic
86	Charlemont Road, Walsall - junc Camberra Road	1	Plastic
87	Skip Lane, Walsall - junc Bracken Road	1	Plastic
88	Reaburn Road, Pheasey - o/s school	1	Plastic
89	Wimpress Way, Pheasey - junc Beacon Road	1	Plastic
90	Beechy Close,Pheasey - o/s no 1	1	Plastic
91	Linton Road, Pheasey - o/s no 12	1	Plastic
92	Kinross Crescent, Pheasey - junc Berwick Close	1	Plastic
93	Aviemore Crescent, Pheasey	1	Plastic
94	Garnet Avenue, Pheasey - o/s no 1	1	Plastic
95	Stonehurst Road, Pheasey - opp Selvey Road	1	Plastic
96	Pinley Grove, Pheasey - o/s no 2	1	Plastic
97	Comsey Road, Pheasey - o/s no 34	1	Plastic

98	Crail Grove, Pheasey	1	Plastic
99	Dunbar Grove, Pheasey - o/s no 1	1	Plastic
100	Nevison Road, Pheasey - junc of Waverley Road	1	Plastic
101	Beacon Road, Pheasey - on verge in service road	1	Concrete
102	Queslett Road, Pheasey - opp no 226	1	Plastic
103	Queslett Road, Pheasey - opp Allingham Grove - on verge	1	Concrete
104	Farrier Road, Pheasey - o/s no 28	1	Plastic
105	Horsley Road, Pheasey - o/s no 1	1	Plastic
106	Tyndale Crescent, Pheasey - opp no 74	1	Plastic
107	Beacon Road, Pheasey - opp Bridle Lane - in bus layby	1	Concrete
108	Pomeroy Road, Pheasey - o/s no 59	1	Plastic
109	Ivanhoe Road, Pheasey - o/s no 49	1	Plastic
110	Hillingford Avenue, Pheasey -junc Horsley Road	1	Plastic
111	Carlton Avenue, Pheasey - junc Carlton Croft	1	Plastic
112	Leighton Close, Pheasey - o/s no 16	1	Plastic
113	Inglewood Grove, Streetly	1	Plastic
114	Foley Road West, Streetly - junc Aldridge Road	1	Concrete
115	Foley Road West, Streetly - o/s Foley Arms Pub	1	Concrete
116	Foley Road West, Streetly - opp Hazelwood Road	1	Plastic
117	Bankside Crescent, streetly	1	Plastic
118	Nighwood Grove, Streetly	1	Plastic
119	Hazelwood Road, Streetly - junc Limetree Road	1	Plastic
120	Hazelwood Road, Streetly - junc Cedar Road	1	Plastic
121	Planetree Road, Streetly - junc Yewtree Road	1	Plastic
122	Lime Tree Road, Streetly - junc Beechcroft Crescent	1	Plastic
123	Pinetree Drive, Streetly	1	Plastic
124	Elmtree Road, Streetly - junc Cherrywood Road	1	Plastic
125	Boundary Road, Streetly - junc Goodwood Drive	1	Plastic
126	Boundary Road, Streetly - junc Chester Road	1	Plastic
127	Adridge Road, Streetly	1	Concrete
128	Beacon Hill, Streetly - opp Chevrons on verge	1	Concrete
129	Sutton Road, Streetly - at the Beacon Traffic Lights	1	Plastic
130	Pinfold Lane, Streetly - opp Crook Lane on verge	1	Concrete
131	Yewtree Road, Streetly - junc Elmtree Road	1	Plastic
132	Elmstead Close, Orchard Hills, Walsall opp no 1	1	Plastic
133	Sutton Road, Walsall - o/s no 497	1	Concrete
134	Broadway North, Walsall - opp no 36	1	Plastic
135	Newquay Road, Park Hall, Walsall - opp Newquay Close	1	Plastic
136	St Ives Road, Park Hall, Walsall - junc Newquay Road	1	Plastic
137	Burnside Gardens, Park Hall, Walsall junc Lodge Road	1	Plastic
138	Woodside Road, Park Hall, Walsall - on centre island	1	Concrete
139	Redruth Road, Park Hall, Walsall - opp no 43	1	Plastic
140	Wolverhampton Street, Darlaston - op Staffordshire Knott Pub	1	Plastic
141	Victoria Road, Darlaston - op Victoria House	1	Concrete
142	Phoenix Rise, Darlaston - side of no 3	1	Plastic
143	Rollingmill Street, Walsall	1	Plastic
144	Bescot Crescent, Walsall - junc Wednesbury Road	1	Plastic
145	Intown Row, Walsall	1	Concrete
146	High Street, Walsall - junc Goodall Street	1	Plastic
147	Warewell Street, Walsall - junc Balls Hill	1	Plastic
148	Lysway Street, Walsall - junc Hanch Place	1	Plastic

149	Upper Rushall Street, Walsall - o/s car park	1	Plastic
150	New Street, Walsall	1	Plastic
151	Union Street, Walsall - opp Millsum House Flats	1	Concrete
152	The Pines, Walsall - junc Emery Close	1	Plastic
153	Birmingham Road, Walsall - opp Beacon Road	1	Concrete
154	Birmingham Road, Walsall - opp Skip Lane	1	Concrete
155	Birmingham Road, Walsall - opp Sandwell Borough Sign	1	Concrete
156	Bentley Place – Off Bentley Drive	1	Plastic
157	Bentley Drive – Off Bentley Lane	1	Plastic
158	Sherlock Close, Willenhall	1	Plastic
159	Leighton Road, Moxley	1	Plastic
160	Belvedere Road, Walsall – opp no 2	1	Plastic
161	Heath Acre	1	Plastic
162	Darlington Street, junc Great Bridge Road	1	Plastic
163	Darlington Street, junc New Cross Street	1	Plastic
164	Highgate Road – junc Sandwell Ave	1	Plastic
165	Roberts Road, Bloxwich o/s 9	1	Plastic
166	Whitmere Street, junc New Mills Street	1	Plastic
167	Stirling Crescent	1	Plastic
168	Hollyoak Road, Streetly - opp 7	1	Plastic
169	Foxwood Avenue, Pheasey - o/s 28 + 4	2	Plastic
170	Lawson Close, Aldridge – opp 5	1	Plastic
171	Nestville Road, Walsall – opp 4	1	Plastic
172	Chepstowe Road, Bloxwich	1	Plastic
173	Cotswold Grove, Willenhall	1	Plastic
174	Quantock Close, Brownhills	1	Plastic
175	Lowlands Avenue, Streetly – junc with Lilac Ave, Blackwood Ave, Aldridge Road	3	Plastic
176	Selvey Avenue, Streetly	2	Plastic

APPENDIX 5: DECISION MAKING PROCEDURE
(FOR GUIDANCE ONLY, NOT RIGID ADHERENCE*)

PREDICTED ROAD CONDITIONS	ROAD SURFACE TEMPERATURE	May fall Below freezing	Expected to fall below freezing – See Note (E)				
	PRECIPITATION ETC.	<u>No</u> rain <u>No</u> hoar frost <u>No</u> fog	<u>No</u> rain <u>No</u> hoar frost <u>No</u> fog	<u>expected</u> hoar frost <u>expected</u> fog	<u>expected</u> rain <u>before</u> freezing	<u>expected</u> rain <u>during</u> freezing	<u>Possible</u> rain <u>Possible</u> hoar frost <u>Possible</u> Fog
Dry		1	1	1	3 See Note (C)	1 See Note (D)	1
Wet		2 See Note (A)	2 See Note (A)	2 See Note (B)	3 See Note (C)	1 See Note (D)	1
Wet Patches		6 See Note (A)	6 See Note (A)	1 See Note (B)	3 See Note (C)	1 or 5 See Note (D)	6
Pre-salted within last 24 Hours with no rain since		6 See Note (A)	6 See Note (A)	4 See Note (A)	3 See Note (C)	1 or 5 See Note (D)	5
ACTION							
<ol style="list-style-type: none"> 1. Salt before frost 2. Salt wet patches before frost 3. Salt after rain stops 4. Supervisor inspect 5. Supervisor inspect with crews standing by in depot for instructions 6. No Action 					<p>For Notes see para H2.1 All decisions require Continuous monitoring Recording and review</p>		

*Constant vigilance may be required in certain conditions

Note A

Particular attention should be given to the possibility of water running across carriageways and other running surfaces eg, off adjacent fields after heavy rains, washing off salt previously deposited. Such locations should be closed monitored and may require treating in the evening and morning, and possible other occasions.

Note B

When a weather warning contains reference to expected hoar frost considerable deposits of frost are likely to occur. Hoar frost usually occurs in the early morning and is difficult to cater for because of the probability that any salt deposited on a dry road too soon before its onset may be dispersed before it can become effective. Close monitoring is required under this forecast condition which should ideally be treated just as the frost is forming. Such action is usually not practicable and salt may have to be deposited on a dry road prior to and as close as possible to the expected time of the condition. Hoar frost may be forecast at other times in which case the timing of salt operation should be adjusted accordingly.

Note C

If, under these conditions, rain has not ceased by early morning, crews should be called out and action initiated as rain ceases.

Note D

Under these circumstances rain will freeze on contact with running surfaces and full pre-treatment should be monitored closely and continuously throughout the danger period.

Note E

Weather warnings are often qualified by altitudes, in which case differing action may be required from each depot. Not applicable to Walsall.

Appendix 5: Names and Telephone Numbers of Personnel

Walsall Council Duty Officers	Division	Telephone Number
Marion Parry	Roadworks Management	01922 652126
Andrew Flegg	Roadworks Management	01922 653786
Andrew Mills	Roadworks Management	01922 653797