

Cabinet – 14 September 2011

Winter Service Operational Plan 2011/12

Portfolio: Councillor Tom Ansell -Transport and Environment

Service: Engineering & Transportation

Wards: All

Key decision: No

Forward plan: No

1. Summary of report

- 1.1 The report relates to the Winter Service Operational Plan 2011/12 (**Appendix A**), which sets out the arrangements for treating the borough's road network during the coming winter. In so doing, it will ensure a safe and free flowing road network in line with government guidance and deliver value for money for Council Tax payers.
- 1.2 This year's plan has been prepared following a review, undertaken in conjunction with the Environmental Scrutiny and Performance Panel, resulting in a number of significant improvements in the service and its efficiency.

2. Recommendations

- 2.1 That Cabinet approves the Winter Service Operational Plan 2011/12.
- 2.2 That the Head of Engineering and Transportation be authorised to make amendments to the plan, as necessary, in the light of case law or legal advice, which might assist in managing the risk of litigation in relation to the exercise of the statutory duty under Section 41 (1A) of the Highways Act 1980 to 'ensure, so far as reasonably practicable, that safe passage of the highway is not endangered by snow and ice'.

3. Report Detail

- 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 2011/12 (the plan) specifies the detailed arrangements for the precautionary treatment of roads prior to ice formation and the clearance of snow. The draft plan (**Appendix A**) will be available on the internet at: <http://cmis/CMISWebPublic/Meeting.aspx?meetingID=1654> and copies will be 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 minimising delays and accidents directly attributable to the adverse weather conditions.
- 3.4 The plan is essentially the same as the successful arrangements for the 2010/11 winter season but with a number of significant improvements set out below. The roads covered remain largely unaltered albeit they are treated in a different sequence.
- 3.5 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.
- 3.6 The two recent severe winters together with feedback from elected members and the relocation to the highways depot from Cable Drive, Walsall to Apex Road, Brownhills mean this it is the ideal opportunity to review and optimise the winter gritting routes.
- 3.7 The route optimisation exercise has been carried out by a specialist company named Vaisala. Consideration has been given to reducing total mileage, dead running time and the number of routes. Efforts have also been directed towards making savings by having a reduced transport fleet. This has resulted in there now being six routes covering the same distance as the previous eight priority one and eight priority two routes in the same timescale i.e. less than four hours from call out to completion.
- 3.8 Consultation has taken place with the Area Partnerships to inform them of the changes to the process and ask for comments. The common theme emerging from this consultation related to suggestions for additional routes particularly outside schools, OAP complexes and shopping precincts.
- 3.9 Key changes and proposals now incorporated within the new Winter Service Plan include:
- a) Proposed trial using a smaller gritting vehicle to increase coverage of school routes.
 - b) Proposal to trial a new gritter trailer to assist with waste collection service within residential areas.
 - c) Incorporation of community gritting in areas – see below.

- d) Removal of superfluous grit bins and application of improved legal notices regarding prosecutions. A number of grit bins have been removed as it is considered that better treatment can be obtained by a combination of new routes and vehicles.
- 3.10 Footways are not routinely treated. However, during periods of snow fall and lying snow, labour is deployed to move snow from footways in town and district centres and other sensitive areas, i.e. Willenhall and Brownhills.
- 3.11 Town and district centres are routinely gritted. However, this year we will be trialing a smaller gritting vehicle in addition to the normal method of hand gritting during snow fall to produce a more efficient service
- 3.12 Following complaints from smaller shopping areas last season and having regard for the Localism Bill and the Big Society initiative, we are looking to trial two locations within the borough for hand gritting of footpaths by the community, including shop frontages. The Co-operative Society has kindly agreed to store a grit bin at two of their premises (The Square, New Invention and High Street, Pelsall). Their employees have a designated amount of time to assist with community projects and they are willing to assist with the gritting operation. They will be supplied with a small hand grit spreader to allow them to grit the footways along the shop frontages. The Council's insurers are happy with this arrangement provided a few housekeeping arrangements are in place.
- 3.13 Cycle routes remote from the highway are not treated but cycle lanes within carriageway on priority routes will be routinely treated.
- 3.14 The routes have been designed, as far as possible, to minimise free running (the distance which has to be driven while not spreading salt) so as to secure the most efficient utilisation of plant, materials and labour.

4. Council priorities

- 4.1 The provision of an effective Winter Service is extremely important as it directly affects all sections of the community in terms of economy and their health and well being assisting the Council in meeting its three stated priorities.
- 4.2 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. By trialling the removal of snow in small shopping centres by community members it will increase the safety of shoppers in these areas.

5. Risk Management

- 5.1 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.

- 5.2 The most significant risk is that of a particularly harsh winter with periods of heavy snow. Under such circumstances, the service will continue and measures will be put in place to address any potential overspends. Every effort would be made to contain any such overspend within the Neighbourhood Services cash limit.
- 5.3 The 'Masternaught' tracking system is installed in the gritter vehicles to capture data including real time and dates, snail trail (recording where the gritter vehicle has been) of routes and satellite navigation. This will provide valuable data for the defence of public liability claims.
- 5.4 Performance will be carefully monitored as part of the Tarmac Contract and benchmarking with similar authorities routinely undertaken both during and after 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 throughout the winter period.
- 5.5 The plan, wherever possible, minimises any adverse environmental impact that provision of the service may have.
- 5.6 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.
- 5.7 During and after a snow event, snow clearing and the removal of ice on gritting routes will be priority. 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.

6. Financial implications

- 6.1 During 2010/11 the gritting fleet was mobilised on 41 occasions and spread 2,207 tonnes of salt on Walsall's highway network. The cost of this operation was £360,493.57 against a budget of £300,000 with the overspend met from underspends elsewhere within Neighbourhood Services.
- 6.2 The budget provision for winter service is £290,000 for 2011/12 and will be managed by Engineering & Transportation with day-to-day service delivery being provided by Tarmac.
- 6.3 As was the case in 2010/11, 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.

7 Legal implications

- 7.1 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.
- 7.2 Section 111 of The Railways and Transport Safety Act 2003 amends Section 41 of the Highways Act 1980 to the effect that local 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.

8. Property implications

- 8.1 No implications as the winter service is based at the established new depot in Apex Road, Brownhills.

9. Staffing implications

- 9.1 There are no direct implications as a result of this report as the Council's partner has the appropriate operatives to meet the specific requirements.

10. Equality implications

- 10.1 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.
- 10.2 Implementation of the plan will give all 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.

11. Consultation

- 11.1 Consultation has been undertaken with the Environment Scrutiny Panel, Area Partnerships and the Emergency Services.
- 11.2 The plan has been circulated, for comments, to officers across the Council and will be 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.
- 11.3 An Environment Scrutiny Panel working group has been set up to review the winter service delivery. The following areas for review were identified and have been discussed at meetings held on 5 & 13 July and 11 August 2011 with an update to full Panel on 26 July and 8 September 2011:

- a) Route optimisation – Vaisala carried out a route optimisation exercise as referred to in Paragraph 3.7.
- b) Grit bins – An assessment has been undertaken which highlights that 50% of grit bins are located on existing gritting routes and, therefore, could be removed. The Scrutiny Panel working group recommends that officers take a pragmatic view on which grit bins can be removed.
- c) Grit bin notice sticker – Recommendation from the Scrutiny Panel working group to add additional sticker to incorporate ‘any grit theft would result in prosecution’. Legal Services have advised on wording.
- d) Town, district and other shopping areas – opportunity to implement a community based approach – High Street, Pelsall and The Square, Willenhall have been identified by the Scrutiny Panel working group to trial for the coming season. An order for two small hand gritting appliances has been placed.
- e) 49% of bus routes and 51% of schools lie on the gritting routes. The Scrutiny Panel working group has recommended a season’s trial with a smaller gritting vehicle to grit, during snow conditions, the roads currently not on gritting routes but have a school located on them.
- f) Last winter, schools were contacted to establish whether they required a grit bin. The Scrutiny Panel working group has recommended that schools and their Governing Bodies be contacted again for the coming season to offer a grit bin and replenishment.
- g) In addition, 15 day care centres have been identified within the borough, three of which are not included on gritting routes. These three locations will be gritted using the smaller gritting vehicle during snowfall.

Background papers

Well-maintained Highways’ Code of Practice for Highway Maintenance Management, published July 2005

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Jamie Morris
Executive Director

A handwritten signature in black ink, appearing to read 'J. Morris', with a stylized, flowing script.

5 September 2011

Councillor Tom Ansell
Portfolio Holder

A handwritten signature in black ink, appearing to read 'Tom Ansell', with a clear, legible script.

5 September 2011

Winter Service Operational Plan 2011/2012



September 2011



Walsall Council

WINTER SERVICE POLICY STATEMENT

The objective of Winter Service operations is to provide a winter maintenance service which, as far as reasonably practicable, 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.

Six pre-salting routes have been identified. These routes 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 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 when required will instruct Tarmac to mobilize the gritting fleet. 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 for Transport and Environment
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

351Km (218miles) 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 six precautionary salting routes:

All 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. In addition the routes include a number of established bus routes in residential areas, important industrial estate roads and road used by heavy commuter traffic at peak periods.

Footways

See Appendix 2 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 centre and district centres. 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 pre salting routes will be routinely treated.

In addition residential estate roads, public rights of way, car parks and safer routes to schools are not routinely salted.

As a trial this season a small vehicle will grit roads fronting schools that are not located on a gritting route.

Response times

Arrangements are in place to ensure that personnel and plant are available on stand-by throughout the winter season 1 November to 31 March. Mobilization of the vehicles, including changing of the demountable bodies on vehicles currently takes up to one hour. For this season 2011/12 a new fleet has been acquired consisting of five 6m³ demountable bodies and one 9m³ demountable body. In addition a small 1.5m³ demountable body on a small pick-up vehicle is also available.

As a trial this season we are engaging the community to assist with snow clearance of footways at two identified smaller shopping areas. (The Square, Willenhall and High Street, Pelsall.) Two small hand spreaders have been provided along with training for the Co-operatives and local shops within these vicinities.

The above routes 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.

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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 viewed at a website daily from 1 November to 31 March

A duty officer will be available 24 hours per day to receive forecasts and to be consulted by the meteorological consultant by a pager.

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).

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.

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PERSONNEL

Staff Rotas

The council maintains rotas 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 including the working time directives.

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)

4	No	Quick change bodied gritter lorries
2	No	Rigid mounted gritters
1	No	1.5 Tonne gritting body hopper
6	No	Hand spreaders
2	No	Small hand spreaders

(All stored at Apex Road Depot; maintained at same location).

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

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

OPERATIONAL COMMUNICATION SYSTEM

All salt spreading vehicles are equipped with mobile telephones tracker hardware and software and during operations the Apex Road Depot base station will be manned. This base station has a telephone on a dedicated line.

SALT

Salt is stored in a salt barn at Apex Road Depot. Testing for particle size is undertaken by a NAMAS accredited laboratory. Loading is by mechanical shovel which includes a weighing mechanism.

A stock of 3000 tonne of salt is in situ.

Spread Rates

When precautionary salting for ice, salt shall normally be applied to all roads on routes at a minimum rate of spread of 7 gm/sq.m.

When precautionary salting for snow, salt shall be applied to all roads on routes at a rate of spread of between 10 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 10-40 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.

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Appendix 01: Duty Officer Daily Record Sheet

Name:

Date:

Duty Officer:

Forecast and Decision Record

Morning Summary

Time of Issue:

Forecaster's 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 01: Duty Officer Daily Record Sheet continued

Evening Summary

Time of Issue:

Forecaster's Name:

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

Site Specific Forecast

Site	Time	Temp <0°C%	Rainfall>2mm				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

Routes 1 – 6

ROUTE NUMBER : 01

Out of depot, TURN LEFT and begin treatment

GRIT	A4124 Pelsall Road to A4124/A452 r/b (circulate r/b)	TURN RIGHT
GRIT	A452 High Street, Chester Road to A461	TURN RIGHT
GRIT	A461 Lichfield Road, Walsall Road, Lichfield Road to A454 r/b (circulate r/b)	TURN RIGHT
GRIT	A461 Lichfield Street to A4148	TURN RIGHT
GRIT	A4148 Littleton Street West, Blue Lane West, Wolverhampton Street, Wolverhampton Road to M6/A454 r/b	STRAIGHT
GRIT	A454 Black Country Route to A454/A4444/A463 r/b	TURN LEFT
GRIT	A4444 Black Country New Road to A4444/A4038/A41 r/b	STRAIGHT
GRIT	A41 Black Country New Road to A41/Patent Shaft r/b	U- TURN
GRIT	A41 Black Country New Road to A4444/A4038/A41 r/b	STRAIGHT
GRIT	A4444 Black Country New Road to A463/A4444 r/b	TURN RIGHT
GRIT	A454 Black Country Route to M6/M454 r/b	STRAIGHT
GRIT	A454 Wolverhampton Road, Wolverhampton Street, A4148 Blue Lane West, Court Way, Littleton Street West, Broadway North, Broadway, Broadway West, Wallows Lane to A461 Bescot Road	TURN LEFT
GRIT	A461 Bescot Road to M6/A461 r/b	U-TURN
GRIT	A461 Bescot Road to A4148 Wallows Lane	TURN RIGHT
GRIT	A4148 Wallows Lane, Broadway West to Bescot Crescent	STRAIGHT
TRAVEL	A4148 Broadway West to A4031 West Bromwich Road	TURN RIGHT

(Continued...)

ROUTE NUMBER : 01 (continued)

GRIT	A4031 West Bromwich Road, Walsall Road to boundary	U-TURN
GRIT	A4031 Walsall Road, West Bromwich Road to end of dual c-way section	STRAIGHT
TRAVEL	A4031 West Bromwich Road to Walstead Road West	TURN LEFT
GRIT	Walstead Road West, Bescot Crescent to A4148 Broadway West	TURN LEFT
TRAVEL	A4148 Broadway West, Wallows Lane to A4148 Bescot Road	TURN RIGHT
GRIT	A4148 Bescot Road, Old Pleck Road, Pleck Road to Moat Road	TURN LEFT
GRIT	Moat Road to Alumwell Road	TURN LEFT
GRIT	Alumwell Road, Ida Road to A4148 Pleck Road	TURN LEFT
TRAVEL	A4148 Pleck Road to Moat Road (on left)	STRAIGHT
GRIT	A4148 Pleck Road to A454	FILTER/ TURN LEFT
TRAVEL	A454 Wolverhampton Road to M6/A454 r/b	STRAIGHT
TRAVEL	A454 Black Country Route to off slip for Marshland Way	TURN LEFT
GRIT	Off slip to Marshland Way r/b (circulate r/b)	TURN LEFT
GRIT	Marshland Way to Bentley Road South r/b	U-TURN
GRIT	Marshland Way to Marshland Way r/b	TURN LEFT
GRIT	A454 on slip to A454 Black Country Route	STRAIGHT
TRAVEL	A454 Black Country Route to A454 Keyway Junction r/b off slip	TURN LEFT
GRIT	Off slip to Keyway Junction r/b (circulate r/b)	STRAIGHT
GRIT	A454 on slip to A454 Black Country Route	STRAIGHT
TRAVEL	A454 Black Country Route to A4444/A463 r/b	U-TURN
		(Continued...)

DEPOT : APEX

ROUTE NUMBER : 01 (continued)

TRAVEL	A454 Black Country Route to A454 The Keyway off slip	TURN LEFT
GRIT	Off slip to Keyway Junction r/b (circulate r/b)	TURN LEFT
GRIT	A454 The Keyway to A454/B4464 r/b	U-TURN
GRIT	A454 The Keyway to Keyway Junction r/b	TURN LEFT
GRIT	A463 Armstrong Way to Owen Road r/b	TURN LEFT
GRIT	A462 Owen Road to A462 Bilston Lane	TURN RIGHT
GRIT	A462 Bilston Lane, Shepwell Green to B4464	TURN LEFT
GRIT	A462 Crescent Road, Clarkes Lane, Sandbeds Road, High Road, Straight Road, Coltham Road, Wesley Road to Coppice Lane r/b	TURN RIGHT
GRIT	A462 Cannock Road to Lichfield Road r/b	STRAIGHT
GRIT	A462 Essington Road to Sneyd Lane	TURN RIGHT
GRIT	Sneyd Lane, Crab Lane to A4124	TURN LEFT
GRIT	A4124 Lichfield Road, Sneyd Lane, Bell Lane to A34	TURN RIGHT
GRIT	A34 High Street, Somerfield Road, Green Lane, Upper Green Lane, Green Lane to A4148 Blue Lane West	TURN RIGHT
TRAVEL	A4148 Blue Lane West, A454 Wolverhampton Street, Wolverhampton Road to M6/A454 r/b	STRAIGHT
TRAVEL	A454 Black Country Route to Marshland Way off slip	TURN LEFT
TRAVEL	Off slip to Marshland Way r/b	TURN LEFT
TRAVEL	Marshland Way to Bentley Road South r/b	TURN RIGHT
GRIT	Bentley Road South to Willenhall Road	TURN RIGHT
GRIT	Willenhall Road, The Crescent to A462 Shepwell Green	TURN LEFT
TRAVEL	A462 Shepwell Green, Bilston Lane to Owen Road	TURN LEFT
(Continued...)		

DEPOT : APEX

ROUTE NUMBER : 01 (continued)

TRAVEL	A462 Owen Road to Owen Road r/b	STRAIGHT
GRIT	A462 Midland Road to The Green r/b	TURN RIGHT
GRIT	A462 The Green, Blockall Close, St Lawrence Way to A4038	TURN LEFT
GRIT	A4038 Walsall Road, Darlaston Road, Wednesbury Road to Bescot Crescent	TURN RIGHT
GRIT	Bescot Crescent to A4148 Broadway West	TURN LEFT
TRAVEL	A4148 Broadway West, Broadway, Broadway North to B4151 Sutton Road r/b	TURN RIGHT
GRIT	B4151 Sutton Road to Longwood Lane	STRAIGHT
TRAVEL	B4151 Sutton Road to Fallowfield Road	TURN RIGHT
GRIT	Fallowfield Road to Daffodil Road	TURN RIGHT
GRIT	Daffodil Road to B4151 Sutton Road	TURN RIGHT
TRAVEL	B4151 Sutton Road to Longwood Lane	TURN LEFT
GRIT	Longwood Lane to A454 Walsall Road r/b	

End of Route. Return to Depot

ROUTE NUMBER : 02

Out of depot, TURN LEFT and proceed to junction of A4124 Pelsall Road and Clayhanger Lane

GRIT	Clayhanger Lane, Bridge Street, Clayhanger Road to B4152 Lindon Road	TURN RIGHT
GRIT	B4152 Lindon Road, Brownhills Road, Salters Road, Northgate to A454 r/b	TURN LEFT
GRIT	A454 Little Aston Road to end of Dual-C-Way section	STRAIGHT
TRAVEL	A454 Little Aston Road to A452 Chester Road r/b	TURN RIGHT
GRIT	A452 Chester Road to A4041 Queslett Road East r/b	TURN RIGHT
GRIT	A4041 Queslett Road East, Queslett Road to Walsall Boundary	STRAIGHT
TRAVEL	A4041 Queslett Road to safe turning point	U-TURN
TRAVEL	A4041 Queslett Road to Walsall Boundary	STRAIGHT
GRIT	A4041 Queslett Road, Queslett Road East to A452 Chester Road /B4138 Thornhill Road r/b	STRAIGHT
GRIT	B4138 Thornhill Road to B4151 Foley Road East	TURN LEFT
GRIT	B4151 Foley Road East, Foley Road West to Erdington Road	TURN RIGHT
GRIT	Erdington Road to Whetstone Lane	TURN LEFT
GRIT	Whetstone Lane to Portland Road	TURN RIGHT
GRIT	Portland Road to Erdington Road	TURN LEFT
GRIT	Erdington Road to A454 Little Ashton Road	TURN LEFT
TRAVEL	A454 Little Aston Road to B4152 Northgate/Anchor Road/High Street r/b	TURN 2nd LEFT
GRIT	Anchor Road to Portland Road	TURN RIGHT

(Continued...)

ROUTE NUMBER : 02 (continued)

GRIT	Portland Road to A454 Walsall Road	TURN LEFT
GRIT	A454 Walsall Road to Station Road	TURN RIGHT
GRIT	Station Road, Redhouse Lane to B4154 Bosty Lane	TURN LEFT
GRIT	B4154 Bosty Lane to Birmingham Road	TURN LEFT
GRIT	Birmingham Road to A454 Walsall Road	TURN RIGHT
TRAVEL	A454 Walsall Road to Portland Road	TURN RIGHT
GRIT	Portland Road to Whetstone Lane	STRAIGHT
TRAVEL	Portland Road to Erdington Road,	TURN RIGHT
GRIT	Erdington Road to Knights Hill	TURN RIGHT
GRIT	Knights Hill to Barr Common Road	TURN LEFT
GRIT	Barr Common Road to Little Harwick Road r/b (2 nd exit)	STRAIGHT
GRIT	Little Hardwick Road to Walsall Boundary	STRAIGHT
TRAVEL	Little Hardwick Road, Hardwick Road to B4138/B4152 r/b	TURN RIGHT
TRAVEL	B4138 Thornhill Road to Manor Road	TURN RIGHT
GRIT	Manor Road, Bridle Lane to B4154 Beacon Road	TURN RIGHT
GRIT	B4154 Beacon Road to Little Johnson's Lane	TURN LEFT
GRIT	Little Johnson's Lane to B4151 Sutton Road	TURN LEFT
GRIT	B4151 Sutton Road to Sutton Road (1 st)	TURN LEFT
GRIT	Sutton Road to Sutton Road	TURN RIGHT
GRIT	Sutton Road to B4151 Sutton Road	TURN LEFT
GRIT	B4151 Sutton Road to Walsall Boundary	U-TURN

(Continued...)

ROUTE NUMBER : 02 (continued)

TRAVEL	B4151 Sutton Road to Sutton Road (2 nd)	TURN RIGHT
TRAVEL	Sutton Road to Skip Lane	STRAIGHT
GRIT	Skip Lane to Walsall Boundary	U-TURN
TRAVEL	Skip Lane to Sutton Road	TURN LEFT
TRAVEL	Sutton Road to B4151 Sutton Road	TURN RIGHT
TRAVEL	B4151 Sutton Road to Little Johnson's Lane	STRAIGHT
GRIT	B4151 Sutton Road to B4154 Beacon Road	TURN RIGHT
GRIT	B4154 Beacon Road to Little Johnson's Lane	STRAIGHT
TRAVEL	B4154 Beacon Road to Pinfold Lane	TURN RIGHT
GRIT	Pinfold Lane, Chapel Lane to Walsall Boundary	STRAIGHT
TRAVEL	Chapel Lane to safe turning point	U-TURN
TRAVEL	Chapel Lane, Pinfold Lane to Old Hall Lane	TURN RIGHT
GRIT	Old Hall Lane to B4154 Beacon Road	TURN RIGHT
GRIT	B4154 Beacon Road to Wimperis Way	TURN LEFT
GRIT	Wimperis Way to Pomeroy Road	TURN LEFT
GRIT	Pomeroy Road to Stanfield Road	TURN RIGHT
GRIT	Stanfield Road to Frampton Way	TURN LEFT
GRIT	Frampton Way to Doe Bank Lane	TURN RIGHT
GRIT	Doe Bank Lane to A4041 Queslett Road	TURN RIGHT
TRAVEL	A4041 Queslett Road to B4154 r/b	TURN RIGHT
GRIT	B4154 Beacon Road to Moreton Avenue	TURN LEFT
		(Continued...)

DEPOT : APEX ROAD

ROUTE NUMBER : 02 (continued)

GRIT	Moreton Avenue to Stonehurst Road	TURN RIGHT
GRIT	Stonehurst Road to Ivanhoe Road	TURN LEFT
GRIT	Ivanhoe Road to Foxwood Avenue	TURN LEFT
GRIT	Foxwood Avenue to end	U-TURN
TRAVEL	Foxwood Avenue to Park Farm Road	TURN LEFT
GRIT	Park Farm Road to Waverley Avenue	TURN RIGHT
GRIT	Waverley Avenue, Collingwood Drive to Hillingford Avenue r/b	TURN LEFT
GRIT	Hillingford Avenue to Romney Way	TURN RIGHT
GRIT	Romney Way to Stanhope Way	TURN LEFT
GRIT	Stanhope Way, Queslett Road to Doe Bank Lane	TURN RIGHT
TRAVEL	Doe Bank Lane to A4041 Queslett Road	TURN RIGHT
TRAVEL	A4041 Queslett Road to A4041/B4149 r/b (4 th exit)	TURN RIGHT
GRIT	Collingwood Drive to Hillingford Avenue r/b	TURN RIGHT
TRAVEL	Hillingford Avenue to Romney Way	TURN RIGHT
TRAVEL	Romney Way to Stanhope Way (on left)	STRAIGHT
GRIT	Romney Way to A4041/B4149 r/b (4 th exit)	TURN RIGHT
TRAVEL	A4041 Queslett Road to A4041/B4154 r/b	TURN RIGHT
TRAVEL	B4154 Beacon Road to Moreton Avenue (on left)	STRAIGHT
GRIT	B4154 Beacon Road to Hillingford Avenue	TURN RIGHT
GRIT	Hillingford Avenue to Collingwood Drive r/b	STRAIGHT
TRAVEL	Hillingford Avenue to Raeburn Road	TURN LEFT
		(Continued...)

ROUTE NUMBER : 02 (continued)

GRIT	Raeburn Road to Pomeroy Road	TURN RIGHT
GRIT	Pomeroy Road to Wimperis Way	TURN RIGHT
GRIT	Wimperis Way, Bornington Way to Frampton Way	TURN LEFT
GRIT	Frampton Way to Stanfield Road (on left)	STRAIGHT
TRAVEL	Frampton Way to Doe Bank Lane	TURN LEFT
GRIT	Doe Bank Lane to Bridle Lane	TURN RIGHT
TRAVEL	Bridle Lane to Hundred Acre Road	TURN RIGHT
GRIT	Hundred Acre Road to Brabham Crescent (2 nd)	TURN LEFT
GRIT	Brabham Crescent to Hundred Acre Road	TURN LEFT
TRAVEL	Hundred Acre Road to Brabham Crescent	STRAIGHT
GRIT	Hundred Acre Road to Aldridge Road	TURN LEFT
GRIT	Aldridge Road to A4041 r/b	U-TURN
TRAVEL	Aldridge Road to Hundred Acre Road	STRAIGHT
GRIT	Aldridge Road to B4151 r/b	STRAIGHT
TRAVEL	Erdington Road to Little Hardwick Road r/b	TURN RIGHT
TRAVEL	Little Hardwick Road to Wood Lane	TURN RIGHT
GRIT	Wood Lane to B4151 Foley Road West	TURN LEFT
TRAVEL	B4151 Foley Road West to Blackwood Road	TURN RIGHT
GRIT	Blackwood Road, Ferndale Road to Bridle Lane	TURN LEFT
TRAVEL	Bridle Lane to A452 Chester Road	TURN RIGHT
TRAVEL	A452 Chester Road to A4041/A452/B4138 r/b	TURN RIGHT

(Continued...)

DEPOT : APEX ROAD

ROUTE NUMBER : 02 (continued)

TRAVEL	A4041 Queslett Road East, Queslett Road to B4154 Beacon Road r/b	TURN RIGHT
TRAVEL	B4154 Beacon Road to Hillingford Avenue (on right)	STRAIGHT
GRIT	B4154 Beacon Road to Wimperis Way (on right)	STRAIGHT
TRAVEL	B4154 Beacon Road to Old Hall Lane (on left)	STRAIGHT
GRIT	B4154 Beacon Road to Bridle Lane (on right)	STRAIGHT
TRAVEL	B4154 Beacon Road to B4151 Sutton Road	STRAIGHT
GRIT	B4154 Longwood Road to B4154 Barr Common Road	TURN LEFT
GRIT	B4154 Barr Common Road to Birmingham Road	TURN RIGHT
TRAVEL	Birmingham Road to A454 Walsall Road	TURN RIGHT
TRAVEL	A454 Walsall Road, Anchor Road Bypass, Little Aston Road to Walsall Wood Road	TURN LEFT
GRIT	Walsall Wood Road to Lazy Hill Road	TURN RIGHT
GRIT	Lazy Hill Road to A452 Chester Road	

End of Route. Return to Depot

ROUTE NUMBER : 03

Out of depot, TURN RIGHT and begin treatment

GRIT	A4124 Pelsall Road, Lichfield Road, Wolverhampton Road, Lichfield Road to A34	TURN RIGHT
GRIT	A34 Stafford Road to boundary	STRAIGHT
TRAVEL	A34 Stafford Road U-TURN at driver's discretion	U-TURN
TRAVEL	A34 Stafford Road to Turnberry Road	TURN RIGHT
GRIT	Turnberry Road to B4120	TURN LEFT
GRIT	B4120 Broad Lane to A4124 Sneyd Lane	TURN RIGHT
TRAVEL	B4124 Sneyd Lane to Cresswell Crescent	TURN RIGHT
GRIT	Cresswell Crescent to B4120	TURN LEFT
GRIT	B4210 Broad Lane to boundary	STRAIGHT
TRAVEL	B4210 Broad Lane U-TURN at driver's discretion	U-TURN
TRAVEL	B4210 Broad Lane to Turnberry Road	TURN LEFT
TRAVEL	Turnberry Road to A34 Stafford Road	TURN RIGHT
TRAVEL	A34 Stafford Road to Sanstone Road	TURN LEFT
GRIT	Sanstone Road circulate Buxton Road r/b	TURN LEFT
GRIT	Buxton Road to Stoney Lane	TURN RIGHT
GRIT	Stoney Lane to Selmans Hill	TURN LEFT
GRIT	Selmans Hill, Field Road, Pinfold to B4210	TURN LEFT
GRIT	B4210 High Street, Bloxwich Road to Hospital Street	TURN RIGHT
GRIT	Hospital Street, Old Birchills to Bentley Lane	TURN RIGHT

(Continued...)

ROUTE NUMBER : 03 (continued)

GRIT	Bentley Lane to Pargeter Street	TURN LEFT
GRIT	Pargeter Street to A454 Wolverhampton Road	TURN LEFT
TRAVEL	A454 Wolverhampton Road to A4148 Pleck Road	TURN RIGHT
GRIT	A4148 Pleck Road to Bridgeman Street	TURN LEFT
TRAVEL	Bridgeman Street to Augustus Street (on left)	U-TURN
TRAVEL	Bridgeman Street to A4148 Pleck Road	TURN RIGHT
GRIT	A4148 Pleck Road to A454	TURN RIGHT
TRAVEL	A454 Wolverhampton Street, A4148 Blue Lane West, Court Way to B4210	TURN LEFT
TRAVEL	B4210 Stafford Street to Day Street	TURN RIGHT
GRIT	Day Street, Wisemore to A4148 Court Way	TURN RIGHT
TRAVEL	A4148 Court Way to B4210	TURN RIGHT
TRAVEL	B4210 Stafford Street to Day Street	STRAIGHT
GRIT	B4210 Stafford Street to Blue Lane East	TURN LEFT
GRIT	Blue Lane East to A34 Green Lane	TURN LEFT
TRAVEL	A34 Green Lane to A4148	TURN LEFT
TRAVEL	A4148 Court Way, Littleton Street West to A461 Filter Lane	TURN LEFT
GRIT	Start of Filter Lane to A461 Lichfield Street	STRAIGHT
TRAVEL	A461 Lichfield Street to A454 Mellish Road r/b	U-TURN
TRAVEL	A461 Lichfield Street to A4148	STRAIGHT
TRAVEL	Lower Rushall Street to Walhouse Road (on left)	STRAIGHT
GRIT	Lower Rushall Street to Holtshill Lane	TURN LEFT
		(Continued...)

ROUTE NUMBER : 03 (continued)

GRIT	Holtshill Lane to Union Street	TURN RIGHT
GRIT	Union Street to Wedge Street	TURN LEFT
GRIT	Wedge Street, Warewell Street to Ablewell Street	TURN LEFT
TRAVEL	Ablewell Street to Pool Street r/b	TURN LEFT
GRIT	Pool Street, Box Street, Burleigh Street, Kinnerley Street to Lumley Street	TURN LEFT
GRIT	Lumley Street to Chuckery Road	TURN RIGHT
GRIT	Chuckery Road to Willows Road	TURN RIGHT
GRIT	Willows Road to Princes Avenue	U-TURN
TRAVEL	Willows Road to Chuckery Road	TURN LEFT
TRAVEL	Chuckery Road to Lumley Road	STRAIGHT
GRIT	Chuckery Road to Tong Street	TURN RIGHT
GRIT	Tong Street to Lincoln Road	TURN LEFT
TRAVEL	Lincoln Road to Tantarra Street (on left)	STRAIGHT
GRIT	Lincoln Road to Paddock Lane (on left)	STRAIGHT
TRAVEL	Holtshill Lane to Rowley Street	TURN RIGHT
TRAVEL	Rowley Street to Walhouse Road	TURN LEFT
GRIT	Walhouse Road to Persehouse Street	STRAIGHT
TRAVEL	Walhouse Road to Lower Rushall Street	TURN RIGHT
TRAVEL	Lower Rushall Street to Lichfield Street left hand Filter Lane	TURN LEFT
GRIT	Left hand Filter Lane to Lichfield Street	STRAIGHT
TRAVEL	Lichfield Street to Bridge Street	STRAIGHT
(Continued...)		

ROUTE NUMBER : 03 (continued)

GRIT	Bridge Street, Freer Street to Goodall Street	TURN LEFT
GRIT	Goodall Street to Bridge Street	TURN LEFT
GRIT	Bridge Street to Freer Street	TURN LEFT
TRAVEL	Freer Street to Goodall Street	TURN LEFT
TRAVEL	Goodall Street to Bridge Street	TURN RIGHT
GRIT	Bridge Street to Lower Rushall Street	TURN LEFT
GRIT	Lower Russell Street to Whittimere Street	TURN LEFT
TRAVEL	Whittimere Street to Intown Row	TURN RIGHT
TRAVEL	Intown Row to Lichfield Street	TURN LEFT
TRAVEL	Lichfield Street to Bridge Street	TURN RIGHT
TRAVEL	Bridge Street to St Pauls Street	TURN RIGHT
TRAVEL	St Pauls Street to Hatherton Road	TURN LEFT
TRAVEL	St Pauls Street to Townend Street r/b	TURN LEFT
GRIT	Townend Street, Wolverhampton Street to A4148 Wolverhampton Street	TURN LEFT
TRAVEL	A4148 Wolverhampton Street to A4148 Pleck Road	TURN LEFT
TRAVEL	A4148 Pleck Road to Bridgeman Street	TURN LEFT
TRAVEL	Bridgeman Street to Augustus Street (on left)	U-TURN
TRAVEL	Bridgeman Street to A4148 Pleck Road	TURN RIGHT
TRAVEL	A4148 Pleck Road to A454 Filter Road (on left)	STRAIGHT
GRIT	A4148 Pleck Road to A4148 Wolverhampton Street	TURN RIGHT

(Continued...)

ROUTE NUMBER : 03 (continued)

TRAVEL	A4148 Wolverhampton Street, Blue Lane West to A34 Green Lane	TURN RIGHT
GRIT	Green Lane to Townend Street	TURN LEFT
GRIT	Townend Street to St Pauls Street r/b	U-TURN
TRAVEL	Townend Street, Wolverhampton Street to A4148	TURN LEFT
TRAVEL	A4148 Wolverhampton Street to Hollyhedge Lane	TURN RIGHT
GRIT	Hollyhedge Lane, Bentley Lane to Bloxwich Lane r/b	TURN LEFT
GRIT	Bloxwich Lane to Churchill Road	TURN RIGHT
GRIT	Churchill Road to B4464 Wolverhampton Road West	TURN LEFT
GRIT	B4464 Wolverhampton Road West to M6/A454 r/b	U-TURN
TRAVEL	B4464 Wolverhampton Road West to start of dual c-way section	STRAIGHT
GRIT	B4464 Wolverhampton Road West to end of dual c-way section	STRAIGHT
TRAVEL	B4464 Wolverhampton Road West to Churchill Road (on right)	STRAIGHT
GRIT	B4464 Wolverhampton Road West to A462 Crescent Road	TURN RIGHT
TRAVEL	A462 Crescent Road to B4464 Walsall Road	TURN LEFT
GRIT	B4464 Walsall Road to Albion Street	TURN RIGHT
GRIT	Albion Street, Albion Road, St Anne's Road to Bloxwich Road South r/b	TURN LEFT
GRIT	Bloxwich Road South to B4484 r/b	TURN RIGHT
GRIT	B4484 Wednesfield Road, Wellington Place, Fibbersley to Broad Lane South (on right)	TURN RIGHT
TRAVEL	Broad Lane South to Pool Haynes Lane	TURN RIGHT
TRAVEL	Pool Haynes Lane to boundary	STRAIGHT

(Continued...)

DEPOT : APEX ROAD

ROUTE NUMBER : 03 (continued)

GRIT	Pool Haynes Lane to Lucknow Road	TURN RIGHT
GRIT	Lucknow Road to Spring Lane	TURN LEFT
GRIT	Spring Lane to A462 High Road	TURN LEFT
TRAVEL	A462 High Road to Mill Lane	TURN LEFT
GRIT	Mill Lane to Lucknow Road	TURN LEFT
GRIT	Lucknow Road to Pool Haynes Lane (on right)	STRAIGHT
TRAVEL	Lucknow Road to Spring Lane	STRAIGHT
GRIT	Ashmore Lake Road to Ashmore Lake Way	TURN LEFT
GRIT	Ashmore Lake Way to Charles Street	TURN RIGHT
GRIT	Charles Street, Stringes Lane to St Anne's Road	TURN RIGHT
TRAVEL	St Anne's Road to Thorne Road r/b	STRAIGHT
GRIT	Thorne Road to B4484 Wellington Place	TURN RIGHT
TRAVEL	B4484 Wellington Place to Moose Lane r/b	TURN LEFT
GRIT	Moose Lane to boundary	STRAIGHT
TRAVEL	Moose Lane to A454	TURN LEFT
TRAVEL	A454 Willenhall Road to B4464 Somerford Place r/b	TURN LEFT
GRIT	B4464 Somerford Place, New Road to B4464/B4157 r/b	STRAIGHT
GRIT	B4464 Walsall Road to Hall Street	TURN LEFT
GRIT	Hall Street to John Street	TURN LEFT
GRIT	John Street to Cheapside	STRAIGHT
GRIT	Cross Street to Market Place	TURN LEFT
		(Continued...)

ROUTE NUMBER : 03 (continued)

GRIT	Market Place to B4464 New Road	TURN LEFT
TRAVEL	B4464 New Road, Walsall Road to Hall Street	STRAIGHT
GRIT	B4464 Walsall Street to Birmingham Street	TURN RIGHT
GRIT	Birmingham Street to A462 Bilston Lane	TURN RIGHT
TRAVEL	Bilston Lane to A462 Owen Road	STRAIGHT
GRIT	B4590 Bilston Lane to B4590/A454 r/b	TURN RIGHT
GRIT	A454 on slip to A454	STRAIGHT
TRAVEL	A454 The Keyway to B4464 Somerford Place r/b	TURN RIGHT
TRAVEL	B4464 Somerford Place to Summer Street	TURN LEFT
GRIT	Summer Street to Aston Road	TURN LEFT
GRIT	Aston Road to Noose Lane	TURN LEFT
TRAVEL	Noose Lane to A454	TURN LEFT
TRAVEL	A454 Willenhall Road, The Keyway to B4590 off slip	TURN LEFT
GRIT	Off slip to B4590/A454 r/b	TURN LEFT
GRIT	B4590 Bilston Lane to B4157 Rosehill	TURN LEFT
GRIT	B4157 Rosehill, Bilston Street to B4464 r/b	TURN LEFT
TRAVEL	B4464 New Road to Wolverhampton Street r/b	TURN RIGHT
GRIT	Wolverhampton Street to Stafford Street	TURN LEFT
GRIT	Stafford Street, Moat Street to B4484 r/b	U-TURN
GRIT	Moat Street to Gower Street	TURN RIGHT
GRIT	Gower Street, Upper Lichfield Street to Union Street	TURN RIGHT

(Continued...)

ROUTE NUMBER : 03 (continued)

GRIT	Union Street to Stafford Street	TURN RIGHT
TRAVEL	Stafford Street to Moat Street	TURN RIGHT
TRAVEL	Moat Street to Gower Street	TURN RIGHT
TRAVEL	Gower Street, Upper Lichfield Street to Union Street	STRAIGHT
GRIT	Upper Lichfield Street to Lower Lichfield Street	TURN LEFT
GRIT	Lower Lichfield Street, Leve Lane to John Street	TURN RIGHT
GRIT	John Street to Hall Street	STRAIGHT
TRAVEL	John Street to Cheapside	TURN RIGHT
GRIT	Cheapside to Lower Lichfield Street	TURN RIGHT
TRAVEL	Lower Lichfield Street, Leve Lane to John Street	TURN RIGHT
TRAVEL	John Street to Hall Street	TURN LEFT
TRAVEL	Hall Street to B4464	TURN LEFT
TRAVEL	B4464 Walsall Street to Birmingham Street (on right)	STRAIGHT
GRIT	B4464 Walsall Road to Albion Street (on left)	STRAIGHT
TRAVEL	B4464 Walsall Road to A462	TURN RIGHT
TRAVEL	A462 Crescent Road to B4464	TURN LEFT
GRIT	B4464 Wolverhampton Road West to end of dual c-way section	STRAIGHT
TRAVEL	B4464 Wolverhampton Road West to Churchill Road	TURN LEFT
TRAVEL	Churchill Road to Attlee Road	TURN LEFT
GRIT	Attlee Road to Bevin Road	TURN LEFT
GRIT	Bevin Road to Monmouth Road	TURN RIGHT

(Continued...)

ROUTE NUMBER : 03 (continued)

GRIT	Monmouth Road to Poplar Avenue	TURN RIGHT
GRIT	Poplar Avenue to Churchill Road	TURN RIGHT
TRAVEL	Churchill Road to Queen Elizabeth Avenue	TURN LEFT
GRIT	Queen Elizabeth Avenue to B4464	STRAIGHT
GRIT	Bentley Road North to Bentley Road South r/b	U-TURN
TRAVEL	Bentley Road North to B4464 Wolverhampton Road West	STRAIGHT
GRIT	Queen Elizabeth Avenue to Morris Avenue (on left)	STRAIGHT
TRAVEL	Queen Elizabeth Avenue to Churchill Road	TURN LEFT
TRAVEL	Churchill Road to Attlee Road	TURN RIGHT
TRAVEL	Attlee Road to Bevin Road (on left)	STRAIGHT
GRIT	Attlee Road to Poplar Road	TURN LEFT
TRAVEL	Poplar Road to Monmouth Road	STRAIGHT
GRIT	Poplar Road to Granbourne Road	TURN RIGHT
GRIT	Granbourne Road to Stroud Avenue	TURN LEFT
GRIT	Stroud Avenue to Stroud Avenue	TURN RIGHT
GRIT	Stroud Avenue (loop clockwise) to Granbourne Road	STRAIGHT
TRAVEL	Stroud Avenue to Stroud Avenue	TURN LEFT
GRIT	Stroud Avenue to A462 Sandbeds Road	TURN LEFT
TRAVEL	Sandbeds Road to Charles Street r/b	TURN RIGHT
GRIT	Charles Street to Ashmore Lake Way	TURN RIGHT
TRAVEL	Ashmore Lake Way to Ashmore Lake Road	TURN LEFT

(Continued...)

ROUTE NUMBER : 03 (continued)

GRIT	Ashmore Lake Road, Monmer Lane to Bloxwich Road South r/b	STRAIGHT
TRAVEL	Bloxwich Road South to B4484 r/b	TURN LEFT
GRIT	B4484 Temple Bar to B4484 Field Street r/b	TURN RIGHT
GRIT	B4484 Field Street, Pinson Road to Wolverhampton Street r/b	TURN LEFT
TRAVEL	Wolverhampton Street to Stafford Street	STRAIGHT
GRIT	Market Place to Cross Street (on left)	STRAIGHT
TRAVEL	Market Place to B4464 New Road	TURN LEFT
GRIT	B4464 New Road to B4157/B4464 r/b	TURN RIGHT
GRIT	B4157 Bilston Street, Rosehill to B4590	TURN RIGHT
TRAVEL	B4590 Bilston Lane to A454/B4590 r/b	TURN LEFT
GRIT	A454 on slip to A454 The Keyway	STRAIGHT
TRAVEL	A454 the Keyway to Keyway Junction r/b	TURN RIGHT
GRIT	A463 on slip to A463 Black Country Route	STRAIGHT
TRAVEL	A463 Black Country Route to A463/A4444 r/b	U-TURN
TRAVEL	A463 Black Country Route to A454 off slip	TURN LEFT
TRAVEL	Off slip to A454 The Keyway Filter Lane	TURN LEFT
GRIT	Filter Lane to A454 The Keyway	STRAIGHT
TRAVEL	A454 The Keyway to B4590 off slip	TURN LEFT
GRIT	B4590 off slip to B4590/A454 r/b	U-TURN
TRAVEL	A454 on slip, A454 The Keyway to A453/A463 r/b	STRAIGHT

(Continued...)

DEPOT : APEX ROAD

ROUTE NUMBER : 03 (continued)

GRIT	A454 on slip to A454 Black Country Route	STRAIGHT
TRAVEL	A454 Black Country Route to Marshland Way off slip	TURN LEFT
GRIT	Off slip road to Marshland Way r/b	STRAIGHT
TRAVEL	Marshland Way r/b to A454 E/B on slip	STRAIGHT
GRIT	A454 on slip to A454 Black Country Route	STRAIGHT
TRAVEL	A454 Black Country Route to M6/A454 r/b	STRAIGHT
TRAVEL	A454 Wolverhampton Road to Bloxwich Lane	TURN LEFT
GRIT	Bloxwich Lane to Churchill Road	STRAIGHT
TRAVEL	Bloxwich Lane to Bloxwich Lane r/b	STRAIGHT
GRIT	Bloxwich Lane (circulate r/b) to Leamore Lane	TURN RIGHT
GRIT	Leamore Lane to Fryer's Road	TURN LEFT
GRIT	Fryer's Road to Willenhall Lane	TURN LEFT
GRIT	Willenhall Lane to Moorland Road (on right)	

End of Route. Return to Depot

ROUTE NUMBER : 04

Out of depot, proceed to junction of A452 High Street and B4152 Lindon Road

GRIT	B4152 Lindon Road to Commonsie	TURN LEFT
GRIT	Commonsie to Pauls Coppice	TURN LEFT
GRIT	Pauls Coppice to Friezland Lane	TURN RIGHT
GRIT	Friezland Lane to Commonsie	TURN LEFT
GRIT	Commonsie, Occupation Road to B4152 Brownhills Road	TURN RIGHT
TRAVEL	B4152 Brownhills Road to B4153 Coppice Road	TURN LEFT
GRIT	B4153 Coppice Road to Maybrook Road	TURN RIGHT
GRIT	Maybrook Road to Clayhanger Road	TURN RIGHT
TRAVEL	Clayhanger Road to B4152 Lindon Road	TURN RIGHT
TRAVEL	B4152 Lindon Road to Friezland Lane	TURN LEFT
GRIT	Friezland Lane to A452 Chester Road	TURN RIGHT
TRAVEL	A452 Chester Road to A461 Lichfield Road	TURN LEFT
GRIT	A461 Lichfield Road to Walsall Boundary (through c-way)	U-TURN
TRAVEL	A461 Lichfield Road to A452 Chester Road	TURN RIGHT
TRAVEL	A452 Chester Road to Adams Road	TURN LEFT
GRIT	Adams Road to St Marks Road	TURN RIGHT
GRIT	St Marks Road to Friezland Lane	TURN LEFT
TRAVEL	Friezland Lane to B4152 Lindon Road	TURN LEFT
TRAVEL	B4152 Lindon Road to B4153 Coppice Road	TURN RIGHT
TRAVEL	B4153 Coppice Road to Maybrook Road (on right)	STRAIGHT

(Continued...)

ROUTE NUMBER : 04 (continued)

GRIT	B1453 Coppice Road to A461 (right then left)	STRAIGHT
GRIT	Brookland Road to B4152 Salters Road	TURN LEFT
TRAVEL	B4152 Salters Road to Wolverson Road	TURN RIGHT
GRIT	Wolverson Road, Holly Lane, Shire Ridge to A461 Lichfield Road	TURN LEFT
TRAVEL	A461 Lichfield Road to B4152 Salters Road	TURN LEFT
TRAVEL	B4152 Salters Road to Castle Road	TURN LEFT
GRIT	Castle Road, Castlehill Road to A452 Chester Road	TURN RIGHT
TRAVEL	A452 Chester Road to Birch Lane Stonnall	TURN RIGHT
GRIT	Birch Lane Stonnall, Stonnall Road to Walsall Wood Road	TURN LEFT
TRAVEL	Walsall Wood Road to Leighswood Avenue	TURN RIGHT
GRIT	Leighswood Avenue to Broad Meadow (on right)	STRAIGHT
TRAVEL	Leighswood Avenue to B4152 Northgate r/b	STRAIGHT
GRIT	Leighswood Avenue to Leighswood Road	TURN RIGHT
GRIT	Leighswood Road, Stubbers Green Road	TURN LEFT
GRIT	Wharf Approach to Dumblederry Lane	TURN LEFT
GRIT	Dumblederry Lane to Middlemore Lane West (on right)	STRAIGHT
TRAVEL	Dumblederry Lane to Middlemore Lane	TURN LEFT
GRIT	Middlemore Lane to Leighswood Road	TURN RIGHT
GRIT	Leighswood Road to A454 r/b	U-TURN
TRAVEL	Leighswood Road to Middlemore Lane (on left),	STRAIGHT
GRIT	Leighswood Road to Leighswood Avenue (on right)	STRAIGHT

(Continued...)

ROUTE NUMBER : 04 (continued)

TRAVEL	Leighswood Road, Stubbers Green Road to Wharf Approach (on left)	STRAIGHT
GRIT	Stubbers Green Road to Barns Lane	TURN LEFT
GRIT	Barns Lane to Barns Lane	TURN RIGHT
GRIT	Barns Lane to A461 Lichfield Road	TURN RIGHT
TRAVEL	A461 Lichfield Road to Four Crosses Road	TURN LEFT
GRIT	Four Crosses Road to Mill Road (right then left)	STRAIGHT
GRIT	Green Lane to Mob Lane	TURN LEFT
GRIT	Mob Lane, Coronation Road to Fordbrook Lane	TURN RIGHT
GRIT	Fordbrook Lane, Vicarage Road to Walsall Road	TURN LEFT
GRIT	Walsall Road to Allens Lane	TURN RIGHT
GRIT	Allens Lane to Mouse Hill	TURN RIGHT
GRIT	Mouse Hill, Hall Lane to Norton Road	TURN LEFT
GRIT	Norton Road to Station Road (2 nd)	TURN RIGHT
GRIT	Station Road, Victoria Road to Fordbrook Lane	TURN LEFT
TRAVEL	Fordbrook Lane to Coronation Road (on left)	STRAIGHT
GRIT	Fordbrook Lane, Mill Road to A461 Lichfield Road	STRAIGHT
GRIT	Spring Road to Stubbers Green Road r/b	STRAIGHT
GRIT	Stubbers Green Road to Barns Lane	TURN RIGHT
TRAVEL	Barns Lane to Westgate	TURN LEFT
GRIT	Westgate to Dumblederry Lane (on right)	STRAIGHT
TRAVEL	Wharf Approach to Stubbers Green Road	TURN RIGHT

(Continued...)

ROUTE NUMBER : 04 (continued)

TRAVEL	Stubbers Green Road to Brickyard Road	TURN LEFT
GRIT	Brickyard Road, Northgate Way to B4152 Northgate	TURN LEFT
TRAVEL	B4152 Northgate to Walsall Wood Road	TURN RIGHT
GRIT	Walsall Wood Road to Greenwood Road	TURN LEFT
GRIT	Greenwood Road to Kingshayes Road	TURN RIGHT
GRIT	Kingshayes Road to Lazy Hill Road	TURN RIGHT
TRAVEL	Lazy Hill Road to Walsall Wood Road	TURN RIGHT
GRIT	Walsall Wood Road to Greenwood Road (on right)	STRAIGHT
TRAVEL	Walsall Wood Road to B4152 Northgate	TURN LEFT
TRAVEL	B4152 Northgate to Walton Road	TURN LEFT
GRIT	Walton Road to Walsall Wood Road	TURN RIGHT
TRAVEL	Walsall Wood Road to Lancaster Avenue	TURN RIGHT
GRIT	Lancaster Avenue to Broad Meadow	TURN LEFT
GRIT	Broad Meadow to Leighswood Avenue	TURN LEFT
TRAVEL	Leighswood Avenue to Walsall Wood Road	TURN LEFT
TRAVEL	Walsall Wood Road to Lancaster Avenue	TURN LEFT
TRAVEL	Lancaster Avenue to Broad Meadow	TURN LEFT
TRAVEL	Broad Meadow to Wellfield Road	TURN RIGHT
GRIT	Wellfield Road, Brookfield Road to Herbert Road	TURN LEFT
GRIT	Herbert Road to Walton Road	TURN LEFT
TRAVEL	Walton Road to B4152 Northgate	TURN LEFT

(Continued...)

ROUTE NUMBER : 04 (continued)

TRAVEL	B4152 Northgate to Northgate Way	TURN RIGHT
TRAVEL	Northgate Way to Brickyard Road	TURN RIGHT
GRIT	Brickyard Road, Boatmans Lane to A461 Walsall Road	TURN LEFT
TRAVEL	A461 Walsall Road, Lichfield Road to Station Road	TURN RIGHT
GRIT	Station Road, Harden Road to r/b	U-TURN
TRAVEL	Harden Road, Station Road to A461 Lichfield Road	TURN LEFT
TRAVEL	A461 Lichfield Road to B4154 Pelsall Lane	TURN LEFT
GRIT	B4154 Pelsall Lane, Walsall Road to Allens Lane (on left)	STRAIGHT
TRAVEL	B4154 Walsall Road, Norton Road to Station Road (2 nd on right)	STRAIGHT
GRIT	B4154 Norton Road to A4124 Wolverhampton Road	STRAIGHT
GRIT	over A4124 onto B4154 Norton Road to Walsall Boundary	STRAIGHT
TRAVEL	B4154 Norton Road, Lime Lane to Wyrley Lane	TURN LEFT
TRAVEL	Wyrley Lane to Fishley Lane	TURN LEFT
TRAVEL	Fishley Lane to Walsall Boundary	STRAIGHT
GRIT	Fishley Lane to Buxton Road	TURN LEFT
GRIT	Buxton Road, Stoney Lane, Pelsall Lane to A4124 Lichfield Road	TURN RIGHT
TRAVEL	A4124 Lichfield Road to Selmans Hill	TURN RIGHT
TRAVEL	Selmans Hill to Stoney Lane	TURN RIGHT
GRIT	Stoney Lane to Buxton Road	TURN LEFT
TRAVEL	Buxton Road to start of Buxton Road r/b splitter	STRAIGHT
GRIT	Buxton Road to r/b	TURN LEFT

(Continued...)

ROUTE NUMBER : 04 (continued)

GRIT	Sanstone Road, Stoney Lane to A34 Stafford Road	TURN LEFT
TRAVEL	A34 Stafford Road to A4124 Bell Lane	TURN RIGHT
TRAVEL	A4124 Bell Lane, Sneyd Lane, Lichfield Road to Crab Lane Mini r/b	STRAIGHT
GRIT	A4124 Lichfield Road to Pooles Lane r/b	TURN RIGHT
GRIT	A4124 Lichfield Road to A462 r/b	STRAIGHT
GRIT	A4124 to Walsall Boundary and at Driver's discretion	U-TURN
TRAVEL	A4124 Lichfield Road to Coppice Farm Way	TURN LEFT
GRIT	Coppice Farm Way to A462 Essington Road	TURN RIGHT
TRAVEL	A462 Essington Road to Dorchester Road	TURN LEFT
GRIT	Dorchester Road to Hilton Road	TURN RIGHT
GRIT	Hilton Road to Beacon Road	TURN RIGHT
GRIT	Beacon Road to A462 Essington Road	TURN LEFT
TRAVEL	A462 Essington Road to A4124/A462 r/b	TURN LEFT
TRAVEL	A4124 Lichfield Road to start of Dual Carriageway	STRAIGHT
GRIT	A4124 Lichfield Road to Pooles Lane r/b	TURN RIGHT
GRIT	Pooles Lane to Bloxwich Road North	TURN RIGHT
TRAVEL	Bloxwich Road North to Coltham Road	TURN RIGHT
GRIT	Coltham Road to A462 Wesley Road	TURN RIGHT
TRAVEL	A462 Wesley Road to Coppice Lane r/b	TURN RIGHT
TRAVEL	A462 Cannock Road to A4124 r/b	STRAIGHT

(Continued...)

DEPOT : APEX ROAD

ROUTE NUMBER : 04 (continued)

TRAVEL	A462 Essington Road to Beacon Road	TURN RIGHT
TRAVEL	Beacon Road to Hilton Road	TURN LEFT
TRAVEL	Hilton Road to Dorchester Road (on left)	STRAIGHT
GRIT	Hilton Road, Jones Road to Moore Road	TURN LEFT
GRIT	Moore Road to Fletcher Road	TURN RIGHT
GRIT	Fletcher Road to A4124 Lichfield Road	TURN LEFT
TRAVEL	A4124 Lichfield Road to Pooles Lane r/b	TURN RIGHT
TRAVEL	Pooles Lane to Byron Road	TURN LEFT
GRIT	Byron Road to Keats Road	TURN RIGHT
GRIT	Keats Road, Wordsworth Road to Coleridge Close	U-TURN
TRAVEL	Wordsworth Road to Shelley Road	TURN LEFT
GRIT	Shelley Road to Wood Lane	TURN LEFT
TRAVEL	Wood Lane, Willenhall Lane to Leamore Lane	TURN RIGHT
GRIT	Leamore Lane to A34 r/b	STRAIGHT
GRIT	Leamore Lane, Harden Road to Goscote Lane r/b	TURN LEFT
GRIT	Goscote Lane, Livingstone Road to A4124 Wolverhampton Road	TURN RIGHT
TRAVEL	A4124 Wolverhampton Road to Foundry Lane	TURN RIGHT
GRIT	Foundry Lane to Mouse Hill (on left)	

End of Route. Return to Depot.

ROUTE NUMBER : 05

Out of depot, TURN LEFT , proceed to junction of A452 Chester Road and A461 Lichfield Road

GRIT	A452 Chester Road to A454 Aldridge Road r/b, loop r/b to A454 Aldridge Road	TURN RIGHT
GRIT	A454 Aldridge Road to A454 Little Aston Road r/b , loop r/b to A454 Chester Road	U-TURN
GRIT	A454 Chester Road to A454 Aldridge Road r/b	U-TURN
TRAVEL	A454 Aldridge Road to A454 Little Aston Road r/b	TURN RIGHT
GRIT	A454 Little Aston Road to B4152 r/b	STRAIGHT
GRIT	A454 Leighwood Road to Leighswood Road r/b,	STRAIGHT
GRIT	A454 Anchor Road Bypass to Westfield Drive r/b	STRAIGHT
GRIT	A454 Anchor Road Bypass, Walsall Road to B4154 Bosty Lane	TURN RIGHT
TRAVEL	B4154 Bosty Lane to Redhouse Lane	STRAIGHT
GRIT	B4154 Bosty Lane, Daw End Lane to Park Road	TURN LEFT
GRIT	Park Road to Floyds Lane	TURN RIGHT
GRIT	Floyds Lane, King George Crescent to B4154 Daw End Lane	TURN LEFT
GRIT	B4154 Daw End Lane to A461 Lichfield Road	U-TURN
TRAVEL	B4154 Daw End Lane to King George Crescent (on right)	STRAIGHT
GRIT	B4154 Daw End Lane to Park Road (on right)	STRAIGHT
TRAVEL	B4154 Daw End Lane, Bosty Lane to Middlemore Lane West	TURN LEFT
GRIT	Middlemore Lane West to Dumblederry Lane	TURN RIGHT
GRIT	Dumblederry Lane, Paddock Lane to A454 Walsall Road	TURN RIGHT

(continued...)

ROUTE NUMBER : 05 (continued)

TRAVEL	A454 Walsall Road to B4154 Bosty Lane	STRAIGHT
GRIT	A454 Walsall Road to Airfield Drive r/b	TURN RIGHT
GRIT	A454 Aldridge Road Mellish Road to A461 Lichfield Road r/b	U-TURN
TRAVEL	Loop r/b, A454 Mellish Road, Aldridge Road to start of dual carriageway section	STRAIGHT
GRIT	A454 Aldridge Road over r/b to end of dual c-way section	STRAIGHT
TRAVEL	A454 Aldridge Road to Airfield Drive r/b	U-TURN
GRIT	Loop r/b return to A454 Aldridge Road	STRAIGHT
TRAVEL	A454 Aldridge Road, over r/b to Rushall Manor Road	TURN RIGHT
GRIT	Rushall Manor Road to Stencills Road	TURN RIGHT
GRIT	Stencills Road to Mellish Drive	TURN RIGHT
GRIT	Mellish Drive to Stencills Drive (on right)	STRAIGHT
TRAVEL	Mellish Drive to A454 Mellish Road (left then right)	STRAIGHT
GRIT	Fernleigh Road to Cameron Road	TURN RIGHT
GRIT	Cameron Road, Buchanan Avenue to A461 Lichfield Road r/b	TURN LEFT
TRAVEL	A461 Lichfield Street to A4148 Littleton Street West	STRAIGHT
GRIT	Lower Rushall Street to Walhouse Road	TURN LEFT
GRIT	Walhouse Road to Persehouse Street	TURN RIGHT
GRIT	Persehouse Street to Holtshill Lane	TURN LEFT
GRIT	Holtshill Lane to Charlotte Street	TURN LEFT
GRIT	Charlotte Street to Walhouse Road	TURN RIGHT

(Continued...)

ROUTE NUMBER : 05 (continued)

GRIT	Walhouse Road to A4148 Broadway North	TURN LEFT
TRAVEL	A4148 Broadway North to Rowley Street	TURN LEFT
GRIT	Rowley Street to Walhouse Road	TURN LEFT
GRIT	Walhouse Road to Charlotte Street	STRAIGHT
TRAVEL	Walhouse Road to Calder Avenue	TURN RIGHT
GRIT	Calder Avenue to Lincoln Road	TURN LEFT
GRIT	Lincoln Road to A4148 Broadway North	TURN LEFT
TRAVEL	A4148 Broadway North to Beacon Street	TURN LEFT
GRIT	Beacon Street to Princes Avenue	TURN LEFT
GRIT	Princes Avenue to The Crescent	STRAIGHT
TRAVEL	Princes Avenue to Sutton Road	TURN LEFT
GRIT	Sutton Road to A4148 Broadway North r/b, cover r/b	U-TURN
GRIT	Sutton Road to The Crescent	TURN RIGHT
GRIT	The Crescent to A4148 Broadway North r/b	STRAIGHT
TRAVEL	Over r/b to The Crescent	STRAIGHT
GRIT	The Crescent to B4151 Sutton Road	TURN RIGHT
TRAVEL	B4151 Sutton Road over A4148 Broadway North r/b	STRAIGHT
TRAVEL	Sutton Road to The Crescent	STRAIGHT
GRIT	Sutton Road to Birmingham Road r/b	TURN LEFT
GRIT	Birmingham Road to A4148 Broadway North double r/b	STRAIGHT
TRAVEL	A4148 Broadway North double r/b	STRAIGHT
(Continued...)		

ROUTE NUMBER : 05 (continued)

GRIT	A34 Birmingham Road to boundary	U-TURN
GRIT	A34 Birmingham Road to Bell Road	TURN RIGHT
GRIT	Bell Road to Park Road	TURN RIGHT
GRIT	Park Road to Skip Lane	TURN LEFT
GRIT	Skip Lane to Park Hall Road	TURN LEFT
GRIT	Park Hall Road to Launceston Road	TURN RIGHT
GRIT	Launceston Road to Falmouth Road	TURN LEFT
GRIT	Falmouth Road to Liskeard Road	TURN RIGHT
GRIT	Liskeard Road to Redruth Road	TURN LEFT
GRIT	Redruth Road to Truro Road	TURN LEFT
GRIT	Truro Road to Liskeard Road	TURN RIGHT
TRAVEL	Liskeard Road to Launceston Road	TURN LEFT
GRIT	Launceston Road to Falmouth Road	STRAIGHT
TRAVEL	Launceston Road to Park Hall Road	TURN RIGHT
GRIT	Park Hall Road to Lonsdale Road	TURN LEFT
GRIT	Lonsdale Road to Bell Road	TURN RIGHT
TRAVEL	Bell Road to A34 Birmingham Road	TURN LEFT
TRAVEL	A34 Birmingham Road to Skip Lane	TURN LEFT
GRIT	Skip Lane to Skip Lane	TURN LEFT
GRIT	Skip Lane to Park Road	TURN LEFT
TRAVEL	Park Road to Lodge Road	TURN RIGHT

(Continued...)

ROUTE NUMBER : 05 (continued)

GRIT	Lodge Road to Park Hall Road	TURN LEFT
TRAVEL	Park Hall Road to Lonsdale Road	STRAIGHT
GRIT	Park Hall Road to Springvale Avenue	TURN LEFT
GRIT	Springvale Avenue to A34 Birmingham Road	TURN RIGHT
TRAVEL	A34 Birmingham Road to Lake Avenue	TURN RIGHT
GRIT	Lake Avenue to Gillity Avenue	TURN LEFT
GRIT	Gillity Avenue to Athlone Road	TURN 2ND RIGHT
GRIT	Athlone Road to Greaves Avenue	TURN RIGHT
GRIT	Greaves Avenue to Athlone Road	TURN RIGHT
GRIT	Athlone Road to Gillity Avenue	TURN RIGHT
TRAVEL	Gillity Avenue to Athlone Road	STRAIGHT
GRIT	Gillity Avenue to A4148/B4151 Sutton Road r/b	TURN RIGHT
TRAVEL	B4151 Sutton Road to Greaves Avenue	TURN RIGHT
GRIT	Greaves Avenue to Athlone Road (on right)	STRAIGHT
TRAVEL	Greaves Avenue to Athlone Road	STRAIGHT
GRIT	Greaves Avenue, Lake Avenue to Gillity Avenue (on right)	STRAIGHT
TRAVEL	Lake Avenue to Barry Road	TURN LEFT
GRIT	Barry Road, Springvale Avenue to Park Hall Road	STRAIGHT
TRAVEL	Springvale Avenue to A34 Birmingham Road	TURN LEFT
TRAVEL	A34 Birmingham Road to Walstead Road	TURN RIGHT
GRIT	Walstead Road to Delves Green Road	TURN LEFT
(Continued...)		

ROUTE NUMBER : 05 (continued)

GRIT	Delves Green Road to Bell Lane	TURN LEFT
GRIT	Bell Lane to Walstead Road	TURN LEFT
TRAVEL	Walstead Road to Delves Green Road	TURN LEFT
TRAVEL	Delves Green Road to Bell Lane	TURN RIGHT
GRIT	Bell Lane to A4031 West Bromwich Road (Right then left)	STRAIGHT
GRIT	Brockhurst Crescent to narrow Road bollards	U-TURN
TRAVEL	Brockhurst Crescent to A4031 West Bromwich Road	TURN LEFT
TRAVEL	A4031 West Bromwich Road to Walstead Road West	TURN LEFT
TRAVEL	Walstead Road West to Brockhurst Crescent	TURN LEFT
GRIT	Brockhurst Crescent to narrow Road bollards	U-TURN
TRAVEL	Brockhurst Crescent to Walstead Road West	TURN RIGHT
TRAVEL	Walstead Road West to A4031 West Bromwich Road	STRAIGHT
GRIT	Walstead Road to Delves Green Road	TURN LEFT
GRIT	Delves Green Road to A4148 Broadway	TURN LEFT
TRAVEL	A4148 Broadway to Delves Road	TURN RIGHT
GRIT	Delves Road, Sandwell Street to West Bromwich Street	TURN LEFT
GRIT	West Bromwich Street to Weston Street	TURN LEFT
GRIT	Weston Street to A4148 Broadway	TURN LEFT
TRAVEL	A4148 Broadway to West Bromwich Road	TURN LEFT
GRIT	West Bromwich Road to Delves Road (on right)	STRAIGHT
TRAVEL	West Bromwich Road, Sandwell Street to West Bromwich Street	TURN LEFT

(Continued...)

ROUTE NUMBER : 05 (continued)

TRAVEL	West Bromwich Street to Weston Street	TURN RIGHT
GRIT	West Bromwich Street, Caldmore Green, Corporation Street to Wednesbury Road	TURN LEFT
GRIT	Wednesbury Road to Bescot Crescent	TURN LEFT
TRAVEL	Bescot Crescent to A4148 Broadway West	TURN LEFT
TRAVEL	A4148 Broadway West to Lord Street	TURN LEFT
GRIT	Lord Street to Milton Street	TURN RIGHT
GRIT	Milton Street to Wednesbury Road	TURN RIGHT
TRAVEL	Wednesbury Road to Corporation Street West	TURN LEFT
GRIT	Corporation Street West to Long Street	TURN RIGHT
GRIT	Long Street to Bridgeman Street	TURN LEFT
GRIT	Bridgeman Street to A4148 Pleck Road	TURN LEFT
TRAVEL	A4148 Pleck Road to Ida Road	TURN RIGHT
TRAVEL	Ida Road to Scarborough Road	TURN LEFT
GRIT	Scarborough Road to St John's Road	TURN RIGHT
GRIT	St John's Road to Reservoir Street	TURN LEFT
GRIT	Reservoir Street to Woodward's Road	TURN LEFT
GRIT	Woodwards Road to end	U-TURN
TRAVEL	Woodwards Road to Scarborough Road	TURN LEFT
GRIT	Scarborough Road to A4038 Darlaston Road	U-TURN
TRAVEL	Scarborough Road to Woodward's Road	TURN LEFT
TRAVEL	Woodwards Road to Reservoir Street	TURN RIGHT

(Continued...)

ROUTE NUMBER : 05 (continued)

TRAVEL	Reservoir Street to Primley Avenue	TURN LEFT
GRIT	Primley Avenue to Durham Road	TURN RIGHT
GRIT	Durham Road to Jerome Road	TURN LEFT
GRIT	Jerome Road to Primley Avenue	TURN RIGHT
GRIT	Primley Avenue to Blay Avenue	TURN RIGHT
GRIT	Blay Avenue, Moat Road to Alumwell Road	TURN LEFT
GRIT	Alumwell Road to A454 Wolverhampton Road	TURN LEFT
TRAVEL	A454 Wolverhampton Road to Primley Avenue	TURN LEFT
GRIT	Primley Avenue to Blay Avenue	STRAIGHT
TRAVEL	Primley Avenue to Jerome Road (on left)	STRAIGHT
GRIT	Primley Avenue to Durham Road	TURN LEFT
TRAVEL	Durham Road to Jerome Road	TURN RIGHT
GRIT	Jerome Road to Reservoir Street	TURN LEFT
GRIT	Reservoir Street to Alumwell Road	U-TURN
TRAVEL	Reservoir Street to Jerome Road	STRAIGHT
GRIT	Reservoir Street to St John's Road	STRAIGHT
TRAVEL	Reservoir Street to Woodward's Road	TURN LEFT
TRAVEL	Woodward's Road to Scarborough Road	TURN LEFT
GRIT	Scarborough Road to St John's Road	STRAIGHT
TRAVEL	Scarborough Road to Ida Road	TURN RIGHT
TRAVEL	Ida Road to A4148 Pleck Road	STRAIGHT

(Continued...)

ROUTE NUMBER : 05 (continued)

GRIT	Rolling Mill Street to Queen Street	TURN LEFT
GRIT	Queen Street to Bridgeman Street	TURN RIGHT
TRAVEL	Bridgeman Street to Long Street	STRAIGHT
GRIT	Bridgeman Street to Bradford Street	TURN RIGHT
TRAVEL	Bradford Street to Caldmore Road (on left)	STRAIGHT
GRIT	Bradford Street to Wednesbury Road mini r/b	STRAIGHT
GRIT	Wednesbury Road to Corporation Street	TURN LEFT
GRIT	Corporation Street to Caldmore Green	TURN LEFT
GRIT	Caldmore Green, Caldmore Road to Bradford Street	TURN RIGHT
TRAVEL	Bradford Street to Bridgeman Street	TURN LEFT
TRAVEL	Bridgeman Street to Bus Loop	TURN RIGHT
GRIT	Bridgeman Street Bus Loop to mini r/b	STRAIGHT
TRAVEL	Bradford Street to Caldmore Road	TURN LEFT
TRAVEL	Caldmore Road to Vicarage Place	TURN RIGHT
GRIT	Vicarage Place to Wednesbury Road	TURN LEFT
TRAVEL	Wednesbury Road to Glebe Street	TURN LEFT
GRIT	Glebe Street to Caldmore Road	TURN RIGHT
GRIT	Caldmore Road to Little Caldmore	TURN LEFT
GRIT	Little Caldmore, Newhall Street, Lysways Street to Birmingham Road	TURN LEFT
GRIT	Birmingham Road to Springhill Road r/b	STRAIGHT
GRIT	Springhill Road to r/b	U-TURN

(Continued...)

ROUTE NUMBER : 05 (continued)

GRIT	Springhill Road to r/b, cover r/b	U-TURN
TRAVEL	Springhill Road to Ablewell Road r/b	STRAIGHT
GRIT	Ablewell Street to Tantarra Street (on right)	FORK LEFT
TRAVEL	Ablewell Road to Upper Rushall Street	TURN LEFT
GRIT	Upper Rushall Street, Peal Street, Dudley Street to Caldmore Road (on left)	STRAIGHT
TRAVEL	Vicarage Place to Mountrath Street	TURN RIGHT
TRAVEL	Mountrath Street to Upper Hall Lane	TURN RIGHT
GRIT	Upper Hall Lane to Dudley Street	STRAIGHT
TRAVEL	Dudley Street, Peal Street, Upper Rushall Street to Ablewell Street (1 st of 2)	STRAIGHT
GRIT	Upper Rushall Street to Ablewell Street	TURN RIGHT
GRIT	Ablewell Street to Ablewell Street	FORK RIGHT
TRAVEL	Ablewell Street to Upper Rushall Street	TURN RIGHT
TRAVEL	Upper Rushall Street to Ablewell Street	TURN LEFT
TRAVEL	Ablewell Street to Lower Rushall Street	TURN RIGHT
TRAVEL	Lower Rushall Street to Whittimere Street	TURN LEFT
TRAVEL	Whittimere Street, Intown Row to Lichfield Street	TURN LEFT
GRIT	Lichfield Street to Bridge Street	STRAIGHT
GRIT	Bridge Street to St Paul's Street	TURN RIGHT
GRIT	St Paul's Street to Hatherton Road	STRAIGHT
GRIT	Hatherton Road to Hatherton Street	STRAIGHT
		(Continued...)

ROUTE NUMBER : 05 (continued)

GRIT	Hatherton Road to Lichfield Street	TURN RIGHT
TRAVEL	Lichfield Street to Bridge Street	STRAIGHT
TRAVEL	Bridge Street to St Paul's Street	TURN RIGHT
TRAVEL	St Paul's Street to Hatherton Road	TURN LEFT
GRIT	St Paul's Street to Stafford Street r/b	TURN RIGHT
GRIT	Stafford Street to A4148 Littleton Street West	STRAIGHT
GRIT	B4210 Stafford Street to Proffitt Street	TURN RIGHT
GRIT	Proffitt Street, Coalpool Lane to Coalpool Lane	TURN LEFT
GRIT	Coalpool Lane to Coalpool Lane	TURN RIGHT
GRIT	Coalpool Lane to Harden Road	TURN RIGHT
TRAVEL	Harden Road to Ross Road r/b	TURN RIGHT
GRIT	Ross Road to Coalpool Lane	TURN RIGHT
TRAVEL	Coalpool Lane to Dartmouth Avenue	TURN LEFT
GRIT	Dartmouth Avenue to Forest Lane	TURN LEFT
GRIT	Forest Lane to B4210 Bloxwich Road	TURN LEFT
TRAVEL	B4210 Bloxwich Road to Proffitt Street	TURN LEFT
TRAVEL	Proffitt Street to North Street	TURN RIGHT
GRIT	North Street to North Street	TURN LEFT
GRIT	North Street, Butts Road to Butts Street	TURN RIGHT
GRIT	Butts Street to end	U-TURN
TRAVEL	Butts Street to Butts Road	STRAIGHT

(Continued...)

DEPOT : APEX ROAD

ROUTE NUMBER : 05 (continued)

GRIT	Mill Lane to Coalpool Lane	TURN LEFT
TRAVEL	Coalpool Lane to North Street	TURN LEFT
TRAVEL	North Street to North Street	TURN LEFT
TRAVEL	North Street to Hatherton Road	TURN RIGHT
GRIT	Hatherton Road to A4148	STRAIGHT
GRIT	Hatherton Street to Hatherton Street	KEEP LEFT
TRAVEL	Hatherton Street to Lichfield Street	TURN LEFT
GRIT	Lichfield Street to A461 Lichfield Street r/b	STRAIGHT
TRAVEL	A461 Lichfield Street to Butts Road	TURN LEFT
GRIT	Butts Road to Mill Lane	
End of Route. Return to Depot.		

ROUTE NUMBER : 06

Out of depot, travel to the junction of Coppice Side and A4124 Pelsall Road

GRIT	Coppice Side to Coppice Lane	TURN RIGHT
GRIT	Coppice Lane to A452	TURN RIGHT
GRIT	A452 Chester Road North to The Parade	TURN LEFT
GRIT	The Parade (over A5), White Horse Road to Howdle's Lane	TURN RIGHT
GRIT	Howdle's Lane to Knave's Castle Avenue	TURN RIGHT
GRIT	Knave's Castle Avenue to Knave's Castle Avenue	TURN LEFT
GRIT	Knave's Castle Avenue to End	U-TURN
TRAVEL	Knave's Castle Avenue to Knave's Castle Avenue	TURN RIGHT
TRAVEL	Knave's Castle Avenue to Howdle's Lane	TURN LEFT
TRAVEL	Howdle's Lane to White Horse Road	TURN LEFT
TRAVEL	White Horse Road to A5	TURN RIGHT
TRAVEL	A5 Watling Street to A452 Chester Road North r/b	TURN RIGHT
GRIT	Wilkin Road to Hednesford Road	TURN LEFT
GRIT	Hednesford Road, Brownhills Road to boundary	STRAIGHT
TRAVEL	Brownhills Road to r/b	U-TURN
TRAVEL	Brownhills Road, Hednesford Road to Wilkin Road	STRAIGHT
GRIT	Hednesford Road to A5 Watling Street	TURN RIGHT
TRAVEL	A5 Watling Street onto A452 Chester Road North r/b	TURN LEFT
GRIT	A452 Chester Road North to A4124 Pelsall Road r/b (do not treat r/b)	TURN LEFT

(Continued...)

ROUTE NUMBER : 06 (continued)

GRIT	B4155 Lichfield Road to B5011	TURN LEFT
GRIT	B5011 Chase Road to A5 Watling Street	TURN RIGHT
TRAVEL	A5 Watling Street to B4155	TURN RIGHT
TRAVEL	B4155 Hanney Hay Road to B4155 Lichfield Road r/b	TURN RIGHT
GRIT	B4155 Lichfield Road to B5011	TURN LEFT
GRIT	B5011 Ogle Road to A452 High Street	TURN LEFT
TRAVEL	A452 High Street to B4152	TURN RIGHT
TRAVEL	B4152 Lindon Road to Commonsides (on left)	STRAIGHT
GRIT	B4152 Lindon Road to Clayhanger Road (on right)	STRAIGHT
TRAVEL	B4152 Lindon Road to B4153	TURN RIGHT
TRAVEL	B4153 Coppice Road to Camden Street	TURN RIGHT
GRIT	Camden Street, Green Lane to Mob Lane (on right)	STRAIGHT
TRAVEL	Green Lane to Broad Way	TURN RIGHT
GRIT	Broad Way to Broad Lane	TURN LEFT
GRIT	Broad Lane to Mill Road	TURN RIGHT
TRAVEL	Mill Road to Birch Lane	TURN RIGHT
GRIT	Birch Lane to Broad Lane	TURN LEFT
TRAVEL	Broad Lane to Harrison Road	TURN LEFT
GRIT	Harrison Road to Spring Lane	TURN RIGHT
GRIT	Spring Lane to Coronation Road	TURN RIGHT
TRAVEL	Coronation Road to Broad Way	TURN RIGHT

(Continued...)

ROUTE NUMBER : 06 (continued)

GRIT	Broad Way to Broad Lane	TURN RIGHT
TRAVEL	Broad Lane to Harrison Road	TURN RIGHT
TRAVEL	Harrison Road to Spring Lane	TURN RIGHT
TRAVEL	Spring Lane to Church Way	TURN LEFT
GRIT	Church Way to Field Lane	TURN RIGHT
GRIT	Field Lane to Coronation Road	TURN LEFT
TRAVEL	Coronation Road to Fordbrook Lane	TURN RIGHT
TRAVEL	Fordbrook Lane, Vicarage Road to Walsall Road	TURN LEFT
TRAVEL	Walsall Road to Allens Lane	TURN RIGHT
TRAVEL	Allens Lane to Goscote Road	TURN LEFT
GRIT	Goscote Road, Slacky Lane to Goscote Lane	TURN RIGHT
TRAVEL	Goscote Lane to Thames Road	TURN LEFT
GRIT	Thames Road to Barracks Lane	TURN RIGHT
TRAVEL	Barracks Lane to Walker Road	TURN RIGHT
TRAVEL	Walker Road to Blakenall Lane	TURN LEFT
GRIT	Blakenall Lane to Blakenall Heath	TURN RIGHT
GRIT	Blakenall Heath to Ingram Road	TURN RIGHT
GRIT	Ingram Road, Walker Road to Harden Road r/b	TURN RIGHT
TRAVEL	Harden Road to B4120	TURN RIGHT
TRAVEL	B4120 Bloxwich Road to Blakenall Lane	TURN RIGHT
GRIT	Blakenall Lane to Blakenall Lane (on right)	STRAIGHT

(Continued...)

ROUTE NUMBER : 06 (continued)

TRAVEL	Blakenall Heath to Ingram Road	TURN LEFT
GRIT	Ingram Road to Green Rock Lane	TURN RIGHT
GRIT	Green Rock Lane to Livingstone Road	TURN LEFT
TRAVEL	Livingstone Road to A4124	TURN LEFT
TRAVEL	A4124 Lichfield Road to Abbotts Street	TURN LEFT
GRIT	Abbotts Street to Green Rock Lane	TURN RIGHT
TRAVEL	Green Rock Lane to Ingram Road	TURN RIGHT
GRIT	Ingram Road to Field Road	TURN RIGHT
TRAVEL	Field Road to A4124	TURN LEFT
TRAVEL	A4124 Lichfield Road to Park Road	TURN LEFT
GRIT	Park Road to Park Road	TURN RIGHT
GRIT	Park Road to A34 High Street	TURN LEFT
TRAVEL	A34 High Street to Elmore Row	TURN RIGHT
GRIT	Elmore Row to B4210	TURN LEFT
GRIT	B4210 Elmore Green Road to A34 High Street	TURN RIGHT
TRAVEL	A34 High Street to B4210 High Street	TURN LEFT
GRIT	B4210 High Street to Pinfold	TURN LEFT
TRAVEL	Pinfold, Field Road to Woodall Street	TURN LEFT
GRIT	Woodall Street to Church Street	TURN RIGHT
GRIT	Church Street to Field Road	TURN RIGHT
TRAVEL	Field Road, Pinfold to B4210	TURN RIGHT

(Continued...)

ROUTE NUMBER : 06 (continued)

TRAVEL	B4210 High Street to A34	TURN RIGHT
TRAVEL	A34 High Street to Reeves Street	TURN LEFT
GRIT	Reeves Street to Reeves Street	TURN RIGHT
GRIT	Reeves Street to Station Street	TURN RIGHT
GRIT	Station Street to B4210 Elmore Green Road	TURN LEFT
TRAVEL	B4210 Elmore Green Road to Elmore Row (on right)	STRAIGHT
GRIT	Elmore Green Road, Sand Bank to A4124 Sneyd Lane	TURN LEFT
TRAVEL	A4124 Sneyd Lane to Sneyd Hall Road	TURN LEFT
GRIT	Sneyd Hall Road to Sneyd Hall Road	TURN LEFT
GRIT	Sneyd Hall Road to Central Drive	TURN RIGHT
GRIT	Central Drive to Sneyd Hall Road	TURN RIGHT
GRIT	Sneyd Hall Road to Sneyd Hall Road	TURN LEFT
TRAVEL	Sneyd Hall Road to A4124	TURN RIGHT
TRAVEL	A4124 Sneyd Lane, Bell Lane to Sand Bank	TURN RIGHT
GRIT	Sand Bank to Wolverhampton Road	TURN RIGHT / STRAIGHT
GRIT	Sand Bank to B4210 Elmore Green Road	TURN LEFT
TRAVEL	B4210 Elmore Green Road to Clarendon Street	TURN LEFT
GRIT	Clarendon Street to New Street	TURN RIGHT
GRIT	New Street to Marlborough Street	TURN RIGHT
GRIT	Marlborough Street to B4210 Elmore Green Road	TURN RIGHT
TRAVEL	B4210 Elmore Green Road to Croxdene Avenue	TURN LEFT

(Continued...)

ROUTE NUMBER : 06 (continued)

TRAVEL	Croxdene Avenue to Central Drive	TURN LEFT / STRAIGHT
GRIT	Central Drive to Sneyd Hall Road (1 st of 2)	STRAIGHT
TRAVEL	Central Drive to Sneyd Hall Road (2 nd of 2)	STRAIGHT
GRIT	Central Drive to Chase Road	TURN LEFT
GRIT	Chase Road to Coalway Road	TURN RIGHT
GRIT	Coalway Road to Moorland Road (on left)	STRAIGHT
TRAVEL	Coalway Road to Ashley Road	TURN RIGHT
TRAVEL	Ashley Road to Central Drive	TURN RIGHT
GRIT	Central Drive to Chase Road	TURN RIGHT
TRAVEL	Chase Road to Coalway Road	TURN RIGHT
TRAVEL	Coalway Road to Moorland Road	TURN LEFT
GRIT	Moorland Road to Willenhall Lane	TURN RIGHT
GRIT	Willenhall Lane to Leamore Lane	TURN RIGHT
GRIT	Willenhall Lane, Wood Lane, Bloxwich Road North to A462	TURN LEFT
TRAVEL	A462 High Road to Mill Lane	TURN RIGHT
TRAVEL	Mill Lane to Lucknow Road	TURN RIGHT
GRIT	Lucknow Road, Coppice Lane to A462	TURN RIGHT
TRAVEL	A462 Wesley Road, Coltham Road, Straight Road, High Road to Bentley Lane	TURN LEFT
GRIT	Bentley Lane to Bloxwich Lane	TURN LEFT
TRAVEL	Bloxwich Lane to Cavendish Road	TURN RIGHT
(Continued...)		

ROUTE NUMBER : 06 (continued)

GRIT	Cavendish Road to Stephenson Avenue	TURN RIGHT
GRIT	Stephenson Avenue to r/b	TURN LEFT
GRIT	Stephenson Avenue to A34 Green Lane	TURN LEFT
TRAVEL	A34 Green Lane to Green Lane r/b	TURN LEFT
TRAVEL	Leamore Lane to Darwin Road	TURN LEFT
GRIT	Darwin Road to Stephenson Avenue	TURN RIGHT
GRIT	Stephenson Avenue to Bloxwich Lane	TURN RIGHT
TRAVEL	Bloxwich Lane to Leamore Lane	TURN RIGHT
TRAVEL	Leamore Lane to Fryer's Road (on left)	STRAIGHT
GRIT	Leamore Lane to Darwin Road	TURN RIGHT
TRAVEL	Darwin Road to Stephenson Avenue	TURN RIGHT
TRAVEL	Stephenson Avenue to Stephenson Square	TURN LEFT
GRIT	Stephenson Square to Edison Road	TURN LEFT
GRIT	Edison Road to Stephenson Avenue	TURN RIGHT
GRIT	Stephenson Avenue to Cavendish Road	TURN RIGHT
TRAVEL	Cavendish Road to Edison Road	TURN RIGHT
GRIT	Edison Road to Stephenson Square	TURN LEFT
TRAVEL	Stephenson Square to Stephenson Avenue	TURN RIGHT
TRAVEL	Stephenson Avenue to Darwin Road (on left)	STRAIGHT
GRIT	Stephenson Avenue to Edison Road (on right)	STRAIGHT
TRAVEL	Stephenson Avenue to r/b	TURN RIGHT

(Continued...)

ROUTE NUMBER : 06 (continued)

GRIT	Reedswood Way to Six Towers Road	TURN RIGHT
GRIT	Reedswood Way to Bloxwich Lane r/b	STRAIGHT
TRAVEL	Bloxwich Lane to A454	TURN RIGHT
TRAVEL	A454 Wolverhampton Road to M6/A454 r/b	STRAIGHT
TRAVEL	B4464 Wolverhampton Road West to Bentley Mill Way	TURN LEFT
GRIT	Bentley Mill Way, Cemetery Road to A4038 Walsall Road	TURN RIGHT
TRAVEL	A4038 Walsall Road to Heath Road r/b	TURN RIGHT
GRIT	Heath Road, The Green to A462 r/b	TURN RIGHT
TRAVEL	A462 Midland Road to Willenhall Street	TURN LEFT
GRIT	Willenhall Street to A462 St Lawrence Way r/b	STRAIGHT
TRAVEL	A462 St Lawrence Way r/b to New Street	STRAIGHT
GRIT	New Street to Church Street	TURN RIGHT
GRIT	Church Street, Victoria Road to Bull Street	TURN RIGHT
GRIT	Bull Street to A4038 Walsall Road	TURN RIGHT
TRAVEL	A4038 Walsall Road to A462 Darlaston Road (on left)	STRAIGHT
GRIT	A4038 Walsall Road, Pinfold Street, Moxley Road to A41 r/b	STRAIGHT
TRAVEL	A41 r/b 2 nd exit to A41 High Street	STRAIGHT
GRIT	A41 High Street to A4098	TURN LEFT
GRIT	A4098 Great Bridge Road to Bradley Lane	TURN RIGHT
GRIT	Bradley Lane to boundary	STRAIGHT
TRAVEL	Bradley Lane to Wallace Road	U-TURN

(Continued...)

ROUTE NUMBER : 06 (continued)

TRAVEL	Bradley Lane to A4098 Great Bridge Road	TURN RIGHT
GRIT	A4098 Great Bridge Road to boundary	STRAIGHT
TRAVEL	A4098 Great Bridge Road to Constantine Way	U-TURN
TRAVEL	A4098 Great Bridge Road to Bull Lane	TURN RIGHT
GRIT	Bull Lane to A41 Holyhead Road	TURN LEFT
TRAVEL	A41 Holyhead Road to A41/A4444/A4038 r/b	TURN RIGHT
TRAVEL	A4038 Moxley Road to start of dual c-way section	STRAIGHT
GRIT	A4038 Moxley Road to end of dual c-way section	STRAIGHT
TRAVEL	A4038 Pinfold Street to St Lawrence Way (on left)	STRAIGHT
GRIT	A4038 Walsall Road to A462 Darlaston Road	STRAIGHT
TRAVEL	A4038 Walsall Road to Old Park Road	TURN RIGHT
GRIT	Old Park Road to boundary	U-TURN
TRAVEL	Old Park Road to Franchise Street	TURN RIGHT
GRIT	Franchise Street to B4200	TURN LEFT
GRIT	B4200 Park Lane to A4038 r/b	TURN RIGHT
TRAVEL	A4038 Walsall Road to Heath Road/Walsall Road r/b	TURN LEFT
TRAVEL	Heath Road to Station Street	TURN LEFT
GRIT	Station Street to Bull Street	TURN RIGHT
TRAVEL	Bull Street to Victoria Road	TURN RIGHT
GRIT	Victoria Road to Richards Street/The Flatts r/b	TURN LEFT
GRIT	Richards Street, Bentley Road South to Willenhall Road (on left)	U-TURN

(Continued...)

ROUTE NUMBER : 06 (continued)

TRAVEL	Bentley Road South to The Green	TURN RIGHT
TRAVEL	The Green to The Green r/b	TURN LEFT
TRAVEL	A462 The Green to Addenbrooke Street	TURN RIGHT
GRIT	Addenbrooke Street, Rough Hay Road to Hall Street	TURN LEFT
GRIT	Hall Street to Wolverhampton Street	TURN LEFT
GRIT	Wolverhampton Street to Park Street	TURN RIGHT
GRIT	Park Street to Willey Avenue	TURN RIGHT
GRIT	Willey Avenue to Heathfield Lane	STRAIGHT
GRIT	Park Road to Forge Road	TURN RIGHT
GRIT	Forge Road to Wolverhampton Street	TURN RIGHT
TRAVEL	Wolverhampton Street to Park Street (on right)	STRAIGHT
GRIT	Wolverhampton Street to A4038	TURN RIGHT
GRIT	A4038 Moxley Road to Dangerfield Lane	TURN LEFT
GRIT	Dangerfield Lane to boundary	STRAIGHT
TRAVEL	Dangerfield Lane to A41	TURN LEFT
TRAVEL	A41 Black Country New Road to Patent Shaft r/b	TURN LEFT
TRAVEL	Bilston Road to A462	TURN LEFT
TRAVEL	A462 Darlaston Road to boundary	STRAIGHT
GRIT	A462 Darlaston Road to A4038 Walsall Road	TURN RIGHT
TRAVEL	A4038 Walsall Road to Ave Road	TURN LEFT
GRIT	Ave Road to Bull Street	TURN LEFT

(Continued...)

DEPOT : APEX ROAD

ROUTE NUMBER : 06 (continued)

TRAVEL	Bull Street to Victoria Road	TURN LEFT
TRAVEL	Victoria Road to New Street (on left)	STRAIGHT
GRIT	Church Street to A462	TURN RIGHT
TRAVEL	A462 Blockall Close to Addenbrooke Street	TURN LEFT
TRAVEL	Addenbrooke Street, Rough Hay Way to Willenhall Street	TURN RIGHT
TRAVEL	Willenhall Street to Hall Street East	TURN LEFT
GRIT	Hall Street East to Rough Hay Road	STRAIGHT
TRAVEL	Hall Street to Wolverhampton Street	TURN RIGHT
GRIT	Wolverhampton Street to Wrenbury Drive (on left)	

End of Route. Return to Depot.

Appendix 03:

Details of Town Centre and District centres 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 TOWNEND SQUARE ST PAULS STREET TO HATHERTON ROAD HATHERTON ROAD TO LICHFIELD ST	PROCEED TO TURN INTO TURN LEFT RETURN TO
<u>STOP GRITTING</u> HATHERTON STREET <u>START GRITTING</u> HATHERTON STREET TO LITTLETON ST LITTLETON STREET TO LOWER FORSTER ST LOWER FORSTER ST TO HATHERTON ROAD HATHERTON ROAD TO LICHFIELD ST LICHFIELD ST TO JUNCTION OF BROADWAY	TURN RIGHT TURN RIGHT TURN LEFT TURN LEFT
<u>STOP GRITTING</u> LICHFIELD ST JUNCTION HATHERTON ROAD <u>START GRITTING</u> LICHFIELD ST TO LEICESTER ST LICHFIELD STREET DARWALL ST TO BRIDGE ST DARWALL ST TO HATHERTON ST DARWALL TO TOWER STREET TOWER ST TO LICHFIELD ST	RETURN TO PROCEED TO TURN RIGHT TURN LEFT TURN AROUND TURN AROUND TURN LEFT
<u>STOP GRITTING</u> LICHFIELD ST JUNCTION BRIDGE ST <u>START GRITTING</u> BRIDGE ST TO ST PAULS ST ST PAULS ST TO BUTLERS PASSAGE BUTLERS PASSAGE PARK ST WISEMORE MARSH ST TO STATION ST STATION ST TO PARK ST STATION ST TO BRIDGEMAN ST BRIDGEMAN ST TO BRADFORD PLACE BRADFORD PLACE TO BRADFORD ST BRADFORD ST TO VICARAGE PLACE	PROCEED TO INTO TURN LEFT TURN RIGHT PROCEED TO TURN LEFT TURN LEFT TURN AROUND TURN LEFT TURN RIGHT TURN RIGHT TURN AROUND
<u>STOP GRITTING</u> BRADFORD ST JUNCTION BRADFORD PLACE <u>START GRITTING</u> BRADFORD PLACE BRADFORD ST THE BRIDGE	PROCEED TO PROCEED TO

BRIDGE ST STOP GRITTING	PROCEED TO
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Walsall Town Centre – Hand Gritting

Footway gritting route No. 2
Priority Route 1

Road	Instruction / Direction
START GRITTING	
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
STOP GRITTING	PROCEED ALONG
PADDOCK LANE TO ABLEWELL ST	TURN LEFT
START GRITTING	
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	
STOP GRITTING	RETURN TO
CALDMORE ROAD JUNCTION UPPER HALL ST	
START GRITTING	
CALDMORE RD JUNCTION UPPER HALL LANE TO JUNCTION LOWER HALL LANE	PROCEED TO
LOWER HALL LANE TO END	TURN RIGHT
STOP GRITTING	
JUNCTION NEWPORT ST	TURN AROUND AND PROCEED TO
START GRITTING	TURN RIGHT
NEWPORT ST TO LITTLE NEWPORT ST	
LITTLE NEWPORT ST TO END	TURN LEFT
STOP GRITTING	
NEWPORT STREET	TURN AROUND AND RETURN TO
START GRITTING	TURN LEFT

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 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
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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 PICTUREDROME WAY TO INCLUDE ALLEY WAY FROM PICTUREDROME WAY TO KING STREET PRECINCT	PROCEED TO TURN LEFT TURN RIGHT TURN AROUND TURN LEFT TURN LEFT TURN LEFT TURN RIGHT TURN AROUND TURN LEFT TURN RIGHT TURN RIGHT TURN LEFT

CRESCENT ROAD TO WALSALL ROAD WALSALL ROAD TO END OF SHOPS <u>STOP GRITTING</u>	
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Willenhall Town Centre – Hand Gritting

Footway gritting route No. 4
Priority Route 1

Road	Instruction / Direction
<u>START GRITTING</u>	
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	
<u>STOP GRITTING</u>	RETURN TO
JUNCTION WOLVERHAMPTON STREET	
AND MARKET PLACE	TURN LEFT
<u>START GRITTING</u>	
STAFFORD STREET (TO INCLUDE ALL	
ALLEYWAYS) TO TEMPLE BAR ISLAND	
<u>STOP GRITTING</u>	RETURN TO
STAFFORD STREET TO JUNCTION OF	
UNION STREET	TURN LEFT
<u>START GRITTING</u>	
UNION ST TO JUNCTION OF LICHFIELD ST	
LICHFIELD ST TO JUNCTION OF	TURN RIGHT
CLEMSON STREET	
CLEMSON ST TO END	TURN LEFT
LOWER LICHFIELD ST	TURN LEFT, PROCEED TO
LOWER LICHFIELD ST TO JUNCTION	TURN RIGHT
LICHFIELD ST	
LICHFIELD ST TO ANGEL PASSAGE	TURN RIGHT
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	TURN LEFT
LICHFIELD ST	RETURN TO
LICHFIELD ST TO JUNCTION OF	TURN RIGHT
WALSALL ST	
<u>STOP GRITTING</u>	

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

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 SILVER STREET TO HIGH STREET HIGH ST TO MARKET PLACE MARKET PLACE HIGH STREET TO RAVENSCROFT (TO INCLUDE ALL PASSAGEWAYS) RAVENSCROFT AND GRIT	PROCEED ALONG TURN LEFT TURN LEFT TURN LEFT TURN INTO

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
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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 04: LOCATION OF SALT BINS

REF No	LOCATION
1	JUNCTION OF BARR COMMON ROAD AND LONGWOOD ROAD
2	OPPOSITE BARR COMMON CLOSE OFF BARR COMMON ROAD
3	ADJACENT 119 ERDINGTON ROAD STREETLY OFF HAYFIELD GROVE
4	FRONT OF 21 LAWSON CLOSE ALDRIDGE
5	FRONT OF 1 CHARLESDALE DRIVE ALDRIDGE
6	FRONT OF 22 RIDGEWAY ALDRIDGE
7	ADJACENT 221 WHETSTONE LANE OFF VALE VIEW ALDRIDGE
8	ADJACENT 206 WHETSTONE LANE OFF BEAUFORT WAY ALDRIDGE
9	FRONT OF 233 WHETSTONE LANE ALDRIDGE
10	ADJACENT SHOPS CORNER OF CHURNHILL ROAD AND WHETSTONE LANE ALDRIDGE
11	FRONT OF 1 BERRYFIELDS ALDRIDGE
12	ADJACENT 1 HILLVIEW ALDRIDGE
13	ADJACENT BRICK KILN BUNGALOW WILLENHALL LANE BLOXWICH
14	ADJACENT RAILWAY BRIDGE GREEN LANE LEAMORE
15	OPPOSITE 112 TINTERN CRESCENT
16	FRONT OF 6 AMBERGATE CLOSE BLOXWICH
17	OPPOSITE 54 SELMANS HILL BLOXWICH
18	OPPOSITE 73 STONEY LANE BLOXWICH
19	OPPOSITE 143 STONEY LANE BLOXWICH
20	OPPOSITE 165 STONEY LANE BLOXWICH ADJACENT CANAL BRIDGE
21	OPPOSITE 2 BYWAYS BLOXWICH
22	LIVINGSTONE ROAD ADJACENT GREEN ROCK LANE BLOXWICH
23	ON COALPOOL BRIDGE HARDEN ROAD BLOXWICH
24	ADJACENT 1 MILL PLACE COALPOOL LANE WALSALL
25	OPPOSITE 8 RAYMOND CLOSE WALSALL
26	JUNCTION OF CRAB LANE AND SNEYD LANE WILLENHALL
27	ADJACENT FORMER ROBIN HOOD SERVICES STATION THE CRESCENT WILLENHALL
28	ADJACENT 48 STRAIGHT ROAD WILLENHALL
29	ON BRIDGE BEFORE ROSEHILL GARDENS BILSTON STREET WILLENHALL
30	ON BRIDGE BEFORE GARAGE MONMER LANE WILLENHALL
31	ADJACENT CENOTAPH JUNCTION OF HIGH ROAD AND SANDBEDS ROAD
32	ADJACENT RAILWAY BRIDGE SOMERFORD PLACE WILLENHALL
33	ADJACENT THE SHAKESPEARE PUBLIC HOUSE OFF PINSON ROAD WILLENHALL
34	ADJACENT 60 COPPICE LANE WILLENHALL
35	OPPOSITE 1 POOLES LANE OFF COLTHAM ROAD WILLENHALL
36	ADJACENT 74 GOUGH STREET OFF STRINGES LANE WILLENHALL
37	OPPOSITE 2 BRIDGNORTH GROVE WILLENHALL
38	OPPOSITE 23 STIRLING CRESCENT WILLENHALL
39	ADJACENT 25 THE HAYS OFF STIRLING CRESCENT WILLENHALL
40	CORNER OF BANKS STREET AND JAMES STREET WILLENHALL
41	JUNCTION OF REAYMER CLOSE AND LEAMORE LANE BLOXWICH
42	ADJACENT 2 CEDAR AVENUE OFF SADLER ROAD BROWNHILLS
43	CORNER OF CHASE ROAD AND WATLING STREET BROWNHILLS

REF No	LOCATION
44	ADJACENT ST JAMES HOME SHORT STREET BROWNHILLS
45	ADJACENT 27 CASTLE STREET OFF CASTLE CLOSE BROWNHILLS
46	SOUTH SIDE TAMWORTH CLOSE BROWNHILLS
47	ADJACENT WHG CAR PARK MARKLEW CLOSE BROWNHILLS
48	ADJACENT 18 ST JOHNS ROAD BROWNHILLS
49	ADJACENT 8 HAWDLES LANE BROWNHILLS
50	ADJACENT 162 LICHFIELD ROAD OFF SHIRE RIDGE WALSALL WOOD
51	OPPOSITE MILLFIELD PRIMARY SCHOOL JUNCTION OF VALLEY VIEW & CATSHILL ROAD BROWNHILLS
52	JUNCTION OF HILLSIDE AND SIMMONDS WAY BROWNHILLS
53	OPPOSITE JUNCTION OF HILLSIDE OFF FRIEZLAND LANE BROWNHILLS
54	OPPOSITE 40 NEW ROAD BROWNHILLS
55	ADJACENT PUMPING STATION HIGH STREET CLAYHANGER
56	ADJACENT UNIT 21 MAYBROOK ROAD WALSALL WOOD
57	JUNCTION OF MAYBROOK ROAD AND COPPICE ROAD BROWNHILLS
58	ADJACENT THE FREIGHT TERMINAL MAYBROOK ROAD WALSALL WOOD
59	ADJACENT LATHAMS BRIDGE BOATMANS LANE WALSALL WOOD
60	ADJACENT 38 CAMDEN STREET WALSALL WOOD
61	JUNCTION OF DRUIDS WALK BLAKEMORE ROAD WALSALL WOOD
62	JUNCTION OF FORT CRESCENT AND CASTLEFORT ROAD WALSALL WOOD
63	OFF HOLLANDS WAY PELSALL
64	ON ROUNDABOUT LEYLAND CROFT PELSALL
65	OFF NEW STREET SHELFIELD
66	GRASS VERGE JUNCTION OF FORDBROOK LANE AND MILL ROAD SHELFIELD
67	JUNCTION OF HAWTHORN ROAD AND LICHFIELD ROAD SHELFIELD
68	JUNCTION OF CLOCKMILL AVENUE AND CLOCKMILL ROAD PELSALL
69	OPPOSITE 2 WALSALL ROAD PELSALL
70	ADJACENT RUSHALL MEWS NEW STREET RUSHALL
71	ADJACENT EARLS COURT OPPOSITE 56 CALDMORE ROAD WALSALL
72	ADJACENT GLEBE HOUSE GLEBE STREET WALSALL
73	ADJACENT INTERCOAT BRIDGEMAN STREET WALSALL
74	ADJACENT ENTRANCE TO ST MARYS THE MOUNT PRESBYTERY VICARAGE WALK WALSALL
75	JUNCTION OF CANBERRA ROAD AND CHARLEMONT ROAD WALSALL
76	ADJACENT BRACKEN WOOD OFF SKIP LANE WALSALL
77	OPPOSITE ENTRANCE TO PHEASEY PARK FARM PRIMARY SCHOOL RAEURN ROAD PHEASEY
78	GRASS VERGE OPPOSITE 219 BEACON ROAD PHEASEY
79	JUNCTION OF BEECHEY CLOSE AND POMEROY ROAD PHEASEY
80	FRONT OF 14 LINTON ROAD PHEASEY
81	ADJACENT 9 BERWICK GROVE PHEASEY
82	FRONT OF 33 AVIEMORE CRESCENT PHEASEY
83	ADJACENT 1 GARNET AVENUE PHEASEY
84	OPPOSITE SELVEY AVENUE OFF STONEHURST ROAD PHEASEY
85	JUNCTION OF PINLEY GROVE AND STONEHURST ROAD PHEASEY
86	JUNCTION OF COSMEY ROAD ANF STONEHURST ROAD PHEASEY
87	GRASS VERGE OFF CRAIL GROVE PHEASEY

REF No	LOCATION
88	ADJACENT 1 DUNBAR GROVE PHEASEY
89	ADJACENT 1 NEVISON GROVE PHEASEY
90	GRASS VERGE HILLINGFORD AVENUE AND BEACON ROAD PHEASEY
91	OPPOSITE 226 QUESLETT ROAD PHEASEY
92	OPPOSITE ALLINGHAM GROVE OFF QUESLETT ROAD PHEASEY
93	ADJACENT 28 FARRIER ROAD PHEASEY
94	JUNCTION OF HORSLEY ROAD AND POMEROY ROAD PHEASEY
95	JUNCTION OF CROME ROAD AND TYNDALE CRESCENT
96	ADJACENT BUS LAYBY OPPOSITE BRIDLE LANE OFF BEACON ROAD PHEASEY
97	JUNCTION POMEROY ROAD AND WIMPERIS WAY PHEASEY
98	ADJACENT 49 IVANHOE ROAD PHEASEY
99	JUNCTION OF HORSLEY ROAD AND HILLINGFORD AVENUE PHEASEY
100	JUNCTION OF CARLTON CROFT AND CARLTON AVENUE STREETLY
101	FRONT OF 14 LEIGHTON CLOSE PHEASEY
102	JUNCTION OF INGLEWOOD GROVE AND WOOD LANE STREETLY
103	ADJACENT FOLEY ARMS PUBLIC HOUSE FOLEY ROAD WEST STREETLY
104	OPPOSITE 219 FOLEY ROAD WEST STREETLY
105	JUNCTION OF BANKSIDE CRESCENT AND HUNDRED ACRE ROAD STREETLY
106	JUNCTION OF NIGHTWOOD DRIVE AND LANESIDE AVENUE STREETLY
107	JUNCTION OF LIMETREE ROAD AND HAZELWOOD ROAD STREETLY
108	JUNCTION OF CEDAR DRIVE AND HAZELWOOD ROAD STREETLY
109	JUNCTION OF PLANETREE ROAD AND YEW TREE ROAD STREETLY
110	FRONT OF 3 BEECHCROFT CRESCENT STREETLY
111	ADJACENT 49 BEECHCROFT CRESCENT STREETLY
112	ADJACENT 28 WHITETHORN CRESCENT STREETLY
113	JUNCTION OF CHEERYWOOD ROAD AND ELMTREE ROAD STREETLY
114	ADJACENT 2 GOODWOOD DRIVE OFF BOUNDARY ROAD STREETLY
115	ADJACENT 100 CHESTER ROAD STREETLY
116	OPPOSITE 17 ALDRIDGE ROAD STREETLY
117	JUNCTION OF LONGWOOD ROAD
118	OPPOSITE BEACON HILL SERVICE ROAD STREETLY
119	ADJACENT BUS LAYBY SUTTON ROAD ALDRIDGE
120	OPPOSITE JUNCTION OF CROOK LANE OFF PINFOLD LANE WALSALL
121	JUNCTION OF YEW TREE ROAD AND ELMTREE ROAD STREETLY
122	JUNCTION OF DOWNHAM CLOSE AND ELMSTEAD CLOSE WALSALL
123	ADJACENT 497 SUTTON ROAD ALDRIDGE
124	FRONT OF 1 BROADWAY NORTH WALSALL
125	OPPOSITE NEWQUAY CLOSE OFF NEWQUAY ROAD PARK HALL
126	ADJACENT 9 NEWQUAY ROAD OFF ST IVES ROAD PARK HALL
127	JUNCTION OF BURNSIDE GARDENS AND LODGE ROAD PARK HALL
128	OPPOSITE CALTHORPE CLOSE ON ROUNDABOUT WOODSIDE ROAD PARK HALL
129	OPPOSITE 43 REDRUTH ROAD PARK HALL
130	ADJACENT BULL STREET OFF VICTORIA ROAD DARLASTON
131	OPPOSITE 3 PHOENIX RISE DARLASTON
132	ADJACENT CEMETARY ENTRANCE ROLLINGMILL STREET WALSALL

REF No	LOCATION
133	ON CAR PARK INTOWN ROW WALSALL
134	JUNCTION OF GOODALL STREET AND HIGH STREET WALSALL
135	JUNCTION OF BALLS HILL AND WAREWELL STREET WALSALL
136	JUNCTION OF HANCH PLACE AND LYSWAYS STREET WALSALL
137	FRONT OF MAHAL BUILDINGS NEW STREET WALSALL
138	ON CAR PARK ADJACENT LYNDON HOUSE UPPER RUSHALL STREET WALSALL
139	OPPOSITE MILLSUM HOUSE UNION STREET WALSALL
140	JUNCTION OF THE PINES AND EMERY CLOSE WALSALL
141	JUNCTION OF LILAC AVENUE AND LOWLANDS AVENUE STREETLY
142	JUNCTION OF BIRMINGHAM ROAD AND SKIP LANE PARK HALL
143	ADJACENT 10 BENTLEY DRIVE BENTLEY PLACE WALSALL
144	ADJACENT 68 BENTLEY DRIVE WALSALL
145	JUNCTION OF LOWBRIDGE CLOSE AND SHERLOCK CLOSE WILLENHALL
146	ADJACENT 44 GREAT BRIDGE ROAD OFF LEIGHTON ROAD MOXLEY
147	ADJACENT 100 BELVIDERE ROAD DELVES
148	ADJACENT 1 HEATH ACRES DANGERFIELD
149	OPPOSITE NEW CROSS STREET OFF DARLINGTON STREET
150	JUNCTION OF HIGHGATE ROAD AND SANDWELL STREET WALSALL
151	ADJACENT 9 ROBERTS ROAD WALSALL
152	JUNCTION OF NEW MILLS STREET AND WHITMORE STREET PALFREY
153	OPPOSITE 7 HOLLYOAK ROAD STREETLY
154	JUNCTION OF LOWLANDS AVENUE AND BLACKWOOD ROAD STREETLY
155	OPPOSITE 5 LAWSON CLOSE ALDRIDGE
156	ADJACENT 4 WESTVILLE ROAD WALSALL
157	ADJACENT ALLEY OFF CHEPSTOW ROAD BLOXWICH
158	ADJACENT 31 AND 32 COTSWOLD GROVE WILLENHALL
159	OPPOSITE 2 QUANTOCK CLOSE WALSH WOOD
160	JUNCTION OF LOWLANDS AVENUE AND ALDRIDGE ROAD STREETLY
161	FRONT OF 21 SELVEY AVENUE PHEASEY

APPENDIX 05: 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 <div style="text-align: right;"> For Notes see para H2.1 All decisions require Continuous monitoring Recording and review </div>							

*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 06: Names and Telephone Numbers of Personnel

Walsall Council Duty Officers	Division	Telephone Number
Marion Parry	Roadworks Management	01922 653781
Andrew Flegg	Roadworks Management	01922 653786
Glyn Oliver	Roadworks Management	01922 652503

DRAFT