



# Winter Service Operational Plan 2014 / 2015

October 2014



Walsall Council

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# **Winter service policy statement**

Maintaining the safety of the travelling public during the winter period is vital to the health and wellbeing of all residents and businesses in the borough. This plan has been developed to ensure as far as reasonably practicable, access to goods and services will be maintained whatever weather conditions may be experienced during the winter season.

The Council has a statutory duty to develop and implement a winter service operational plan to ensure so far as reasonably practicable, that on the public highway traffic keeps moving even in unforeseen weather conditions and safe passage is not endangered by snow and ice. This plan details the arrangements in place to discharge that duty.

The plan sets out the Council policy for: treatment routes, 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 when the winter service response is delivered.

For the 2014/15 winter season, the Council will deliver the general winter service response as and when weather conditions dictate to six pre-salting/snow clearance routes and seven retail based locations used by significant numbers of pedestrians.

A limited winter service network known as the resilience network will be treated when extremes of weather or resource shortages require the available resources to be concentrated on maintaining the operation of a minimum transport network. This will be undertaken to support the delivery of key essential services whilst maintaining economic activity where possible.

Requests for a winter service response that fall outside of this plan will only be considered once the requirements of this plan have been delivered and then within the constraints of any available resources.

The plan recognises the lessons learned from the delivery of the 2013/14 winter service and details improvements to service delivery for 2014/15 as a direct result of those lessons learned.

The plan further outlines the significant changes that will need to be developed over future years as a direct result of the September 2013 update to the national code of practice for winter service delivery.

# **Legislative Context**

## **Section 41 (1A) Highways Act 1980**

Imposes a duty to ensure, so far as reasonably practicable, that safe passage is not endangered by snow and ice.

## **Traffic Management Act 2004**

Imposes a duty to ensure, so far as reasonably practicable, traffic keeps moving even in unforeseen weather conditions.

This is not an absolute duty, given the qualification of “reasonably practicable”

Given the scale of financial and other resources involved in delivering the winter Service, it is therefore not reasonable either to:

- Provide the service on all parts of the network
- Ensure running surfaces are kept free of ice or snow at all times, even on the treated parts of the network

In discharging the duties imposed, the Council has considered the recommendations contained within the:

The Well Maintained Highways Code of Practice for Highway Maintenance Management (Appendix H Winter Service Practical Guidance)



## **Winter Service Resilience Standards**

Overall winter period 1<sup>st</sup> October 2014 to 30<sup>th</sup> April 2015

Core Winter Period 1<sup>st</sup> November 2014 to 31<sup>st</sup> March 2015

Days Resilience (Overall Winter Period) 3 Days

Days Resilience (Core Winter Period) 6 Days

Minimum Salt Stocks  
(assume 20g/m<sup>2</sup> spread rate)

	Normal treatment network  (tonnes run)	Minimum Stock		
		Full Pre Season Stock (12days/48 runs)	Core Winter Period (6 days 24 runs)	Overall Winter Period (3 days 12 runs)
C'ways	60	2880	1440	720
Total		2880 tonnes	1400 tonnes	720 tonnes

Council decision Makers 4

Contractor duty officers 5

## **Operational improvements implemented 2013/14**

During the 2013 /14 winter service season a number of improvements were successfully implemented, improving the Council's resilience to manage the impacts of adverse weather conditions.

- The increased number of decision makers coupled with much wider sharing of measured and forecast weather information with the winter service contractor, ensured that decisions were made more quickly and consistently.
- The use of iPads for provision of remote access for decision makers to CCTV images of the highway network has reduced the need for borough wide travel to determine road conditions.
- Extensive use of technology has now provided the ability to coordinate delivery of the winter service irrespective of the ability, or need, to travel.
- Introduction of criterion for the application of salt bins has rationalised the distribution of this valuable self help resource to areas of most need.
- Moisture content testing of salt stocks has provided the ability to more accurately match spread rates to those required by the code of practice, reducing the risk associated with public liability claims following road traffic accidents.
- Introduction of a comprehensive gulley cleansing regime aimed at reducing the risk of floods following significant rainfall or snow melt.
- Implementation of revised operational procedures for the use of clean and green staff resources to assist with winter service delivery.
- Improved collaboration with the clean and green service, maximising the available resources to assist with delivery of winter service treatments outside of the defined public highway.
- Decision makers have undertaken approved training and accreditation as required by the national code of practice for winter service delivery.

## **Route treatment information**

### **Resilience network route**

As a result of changes to the national code of practice for winter service delivery there was a need to introduce an additional treatment route known as the resilience network route. This route will be given priority during extreme weather conditions and situations where man power, salt stocks, plant and fuel for driving the plant is in short supply.

The primary purpose of this route treatment is to ensure a minimum transport network remains available to support the delivery of key essential services whilst maintaining economic activity where possible.

Because of the significance of activating this route treatment, it will be undertaken in consultation with the Council's emergency planning team and will be prioritized over and above the delivery of any other route treatment.

The route will encompass the vast majority of the boroughs A road network and incorporate access to strategic Gas, Electricity, Water and Communications infrastructure. However, minor variations will exist as a direct consequence of practical issues associated with providing suitable turning facilities for the gritter fleet when road conditions are so extreme that the resilience network treatment has been triggered.

To further improve the initial delivery of this route treatment, the gritter fleet will be located at secure strategic locations such as fire and ambulance stations in order to aid the speedy treatment of this route.

### **General precautionary salting & snow routes**

351Km (218miles) of Walsall's highways will be subject to general precautionary salting and snow clearance out of a total length of highway within the Borough of approximately 856Km (532miles).

There are six general precautionary salting / snow clearance routes:

All routes comprise roads on the primary network and other roads carrying substantial volumes of traffic together with some roads with high risk of early ice formation. 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 are not routinely treated. However, during periods of snow fall and lying snow, labour is deployed to move snow from footways in seven retail based locations used by significant numbers of pedestrians.

General residential estate roads, public rights of way, car parks are not routinely treated.

Community assistance with snow clearance of footways at the Square, Willenhall and High Street, Pelsall will be again facilitated through the provision small hand spreaders for the Co-operatives and local shops within these vicinities should they wish to participate.

Draft Version 1 October 2014

Coordination with the Council's Emergency Planning team is an integral part of the delivery of the winter service response, with a strategic overview undertaken throughout the season.

### Schools

Given the importance of the winter service in maintaining accessibility to schools, the provision of salt bins is offered to all schools within the borough on a cost recovery basis.

However, during snow fall a small 1.5m<sup>3</sup> demountable body on a small pick up vehicle is used to grit frontages to all schools that are not situated on a scheduled gritting route.

### Refuge collection routes

During snow fall and following the gritting of all scheduled routes, should resources be available they will be deployed to treat bin routes that are due for collection the following day.

### **Response times**

Arrangements are in place to ensure that personnel and plant are available on stand-by throughout the core winter period 1 November to 31 March. Mobilisation of the vehicles, including changing of the demountable bodies on vehicles takes approximately one hour.

### **Salt**

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.

Salt is stored in a purpose built salt barn at Apex Road Depot and used on a last in first out basis. To ensure appropriate spread rates continue to be applied to the road network, testing for particle size is undertaken by a UKAS accredited laboratory and localised testing of moisture content is undertaken throughout the winter season. Loading is by mechanical shovel which includes a weighing mechanism.

Salt stock will be managed in accordance with the resilience standards identified in this plan.

The Council will routinely notify the Department for Transport of its salt stock levels. At times of national salt shortage, the Department will direct the distribution of salt stocks to regions of the Country in most need.

## **Spread Rates**

When undertaking precautionary salting for ice or treatment for snow, salt shall normally be applied to all roads detailed in the operational plan at the spread rates determined by the decision maker.

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 as directed by the decision maker. 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.

## **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**

Lafarge Tarmac 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. 6159).

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 two 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)**

7	No	Quick change bodied gritter lorries
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. JCB 2CX tractor loaders and 1 JCB 3CXs for clearing snowdrifts.

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

## Weather Forecasts

Detailed weather forecast information is provided by the Councils service provider MeteoGroup UK RoadCast service. Detailed forecast information is made available to the decision maker from 1 November to 31 March to assist with determining the appropriate winter service response.

The decision maker will be available 24 hours per day to receive forecasts and to consult with the meteorological consultant.

In normal circumstances, the following forecasts will be received, monitored and acted upon, as appropriate, by the decision maker:

<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 decision maker immediately, at whatever time this occurs.
- Significant weather changes will be notified to the decision maker via a pager communications system.

Significant weather changes are defined as:

- i. When the road surface 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.

# **Resilience Network Route**

DRAFT



**WINTER RESILIENCE NETWORK**

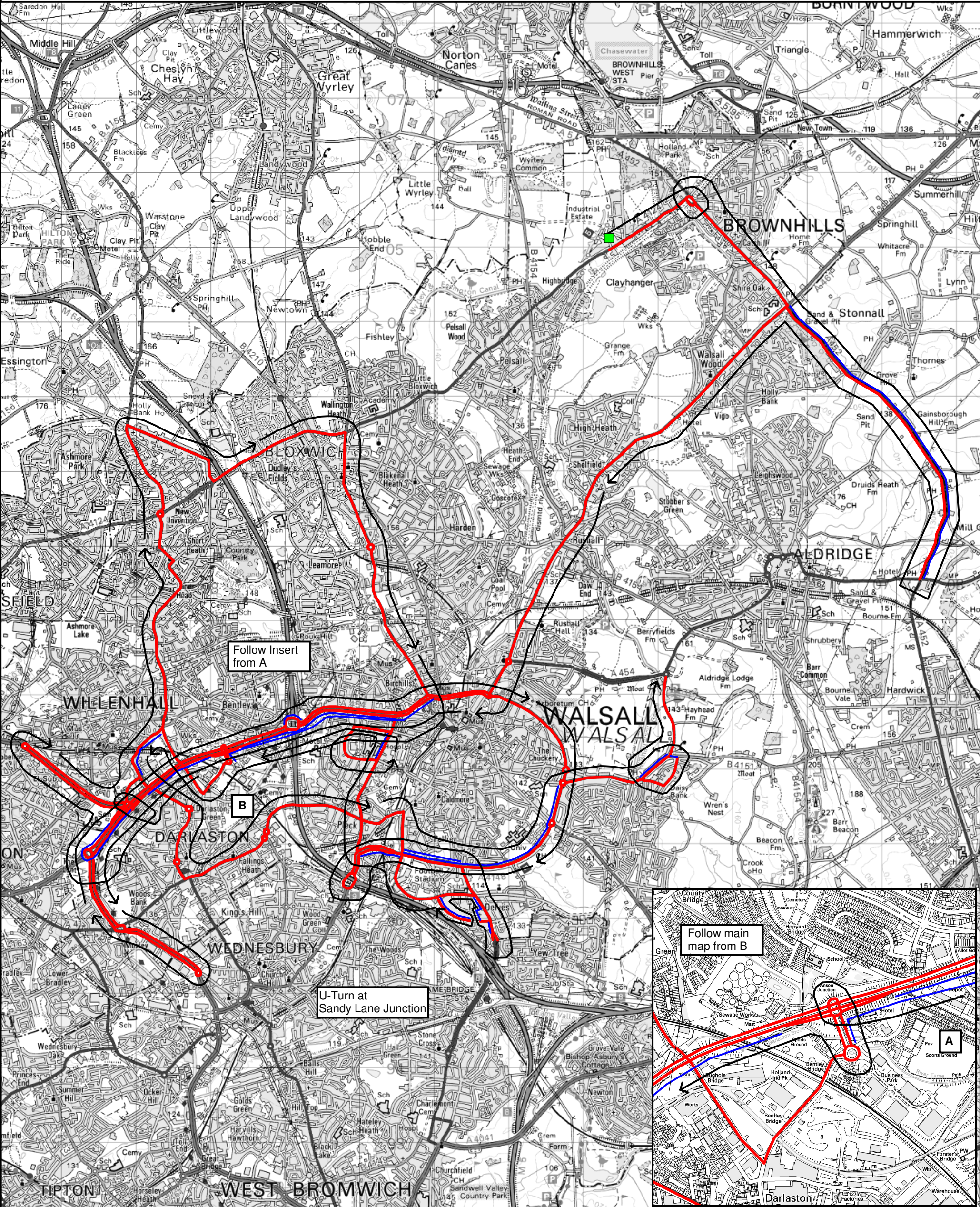




# **Precautionary Salting & Snow Routes**

## **Routes 1 – 6**





SALT (KM):	76.9	DEAD (KM):	19.3	TOTAL (KM):	96.2	TIME (HRS):	2:50	Underlying map base reproduced from Ordnance Survey digital map data. Ordnance Survey © Crown Copyright. All rights reserved. Licence number 100019529. Route design and artwork © Vaisala Ltd 2013.	Date: 02/09/13	Vaisala Limited Vaisala House 349 Bristol Road Birmingham B5 7SW UK <a href="http://www.vaisala.com">www.vaisala.com</a> <a href="mailto:trafficweatherconsulting@vaisala.com">trafficweatherconsulting@vaisala.com</a>
EFF (%):	80	VEHICLE SIZE	9Cu	CLIMATIC DOMAIN	N/A	THERMAL CATEGORY	N/A		Scale: 1:45000	
									Drawn By: J. Wilson	



**DEPOT : APEX ROAD  
ROUTE NUMBER : 01**

Out of depot, TURN LEFT and begin treatment

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

**(Continued...)**

**DEPOT : APEX ROAD  
ROUTE NUMBER : 01 (continued)**

<b>TRAVEL</b>	A4148 Broadway West to A4031 West Bromwich Road	<b>TURN RIGHT</b>
<b>GRIT</b>	A4031 West Bromwich Road, Walsall Road to Sandy Lane	<b>U-TURN</b>
<b>GRIT</b>	A4031 Walsall Road, West Bromwich Road to end of dual c-way section	<b>STRAIGHT</b>
<b>TRAVEL</b>	A4031 West Bromwich Road to Brockhurst Crescent	<b>TURN LEFT</b>
<b>GRIT</b>	Brockhurst Crescent to Talke Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Talke Road to Fullbrook Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Fullbrook Road to A4031 West Bromwich Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	A4031 West Bromwich Road to Walstead Road West	<b>TURN LEFT</b>
<b>GRIT</b>	Walstead Road West to Brockhurst Crescent	<b>TURN LEFT</b>
<b>GRIT</b>	Brockhurst Crescent to narrow bollards	<b>U-TURN</b>
<b>TRAVEL</b>	Brockhurst Crescent to Walstead Road West	<b>TURN LEFT</b>
<b>GRIT</b>	Walstead Road West, Bescot Crescent to A4148 Broadway West	<b>TURN LEFT</b>
<b>TRAVEL</b>	A4148 Broadway West, Wallows Lane to A4148 Bescot Road	<b>TURN RIGHT</b>
<b>GRIT</b>	A4148 Bescot Road, Old Pleck Road, Pleck Road to Moat Road	<b>TURN LEFT</b>
<b>GRIT</b>	Moat Road to Alumwell Road	<b>TURN LEFT</b>
<b>GRIT</b>	Alumwell Road, Ida Road to A4148 Pleck Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	A4148 Pleck Road to Moat Road (on left)	<b>STRAIGHT</b>
<b>GRIT</b>	A4148 Pleck Road to A454	<b>FILTER /TURN LEFT</b>
<b>TRAVEL</b>	A454 Wolverhampton Road to M6/A454 r/b	<b>STRAIGHT</b>
<b>TRAVEL</b>	A454 Black Country Route to off slip for Marshland Way	<b>TURN LEFT</b>
<b>GRIT</b>	Off slip to Marshland Way r/b (circulate r/b)	<b>TURN LEFT</b>

**(Continued...)**

**DEPOT : APEX ROAD  
ROUTE NUMBER : 01 (continued)**

<b>GRIT</b>	Marshland Way to Bentley Road South r/b	<b>U-TURN</b>
<b>GRIT</b>	Marshland Way to Marshland Way r/b	<b>TURN LEFT</b>
<b>GRIT</b>	A454 on slip to A454 Black Country Route	<b>STRAIGHT</b>
<b>TRAVEL</b>	A454 Black Country Route to A454 Keyway Junction r/b off slip	<b>TURN LEFT</b>
<b>GRIT</b>	Off slip to Keyway Junction r/b (circulate r/b)	<b>STRAIGHT</b>
<b>GRIT</b>	A454 on slip to A454 Black Country Route	<b>STRAIGHT</b>
<b>TRAVEL</b>	A454 Black Country Route to A4444/A463 r/b	<b>U-TURN</b>
<b>TRAVEL</b>	A454 Black Country Route to A454 The Keyway off slip	<b>TURN LEFT</b>
<b>GRIT</b>	Off slip to Keyway Junction r/b	<b>TURN LEFT</b>
<b>GRIT</b>	A454 The Keyway to A454/B4464 r/b	<b>U-TURN</b>
<b>GRIT</b>	A454 The Keyway to Keyway Junction r/b	<b>TURN LEFT</b>
<b>GRIT</b>	A463 Armstrong Way to Owen Road r/b	<b>TURN LEFT</b>
<b>GRIT</b>	A462 Owen Road to A462 Bilston Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	A462 Bilston Lane, Shepwell Green to B4464	<b>TURN LEFT</b>
<b>GRIT</b>	A462 Crescent Road, Clarkes Lane, Sandbeds Road, High Road, Straight Road, Coltham Road, Wesley Road to Coppice Lane r/b	<b>TURN RIGHT</b>
<b>GRIT</b>	A462 Cannock Road to Lichfield Road r/b	<b>STRAIGHT</b>
<b>GRIT</b>	A462 Essington Road to Sneyd Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Sneyd Lane, Crab Lane to A4124	<b>TURN LEFT</b>
<b>GRIT</b>	A4124 Lichfield Road, Sneyd Lane, Bell Lane to A34	<b>TURN RIGHT</b>
<b>GRIT</b>	A34 High Street, Somerfield Road, Green Lane, Upper Green Lane, Green Lane to A4148 Blue Lane West	<b>TURN RIGHT</b>

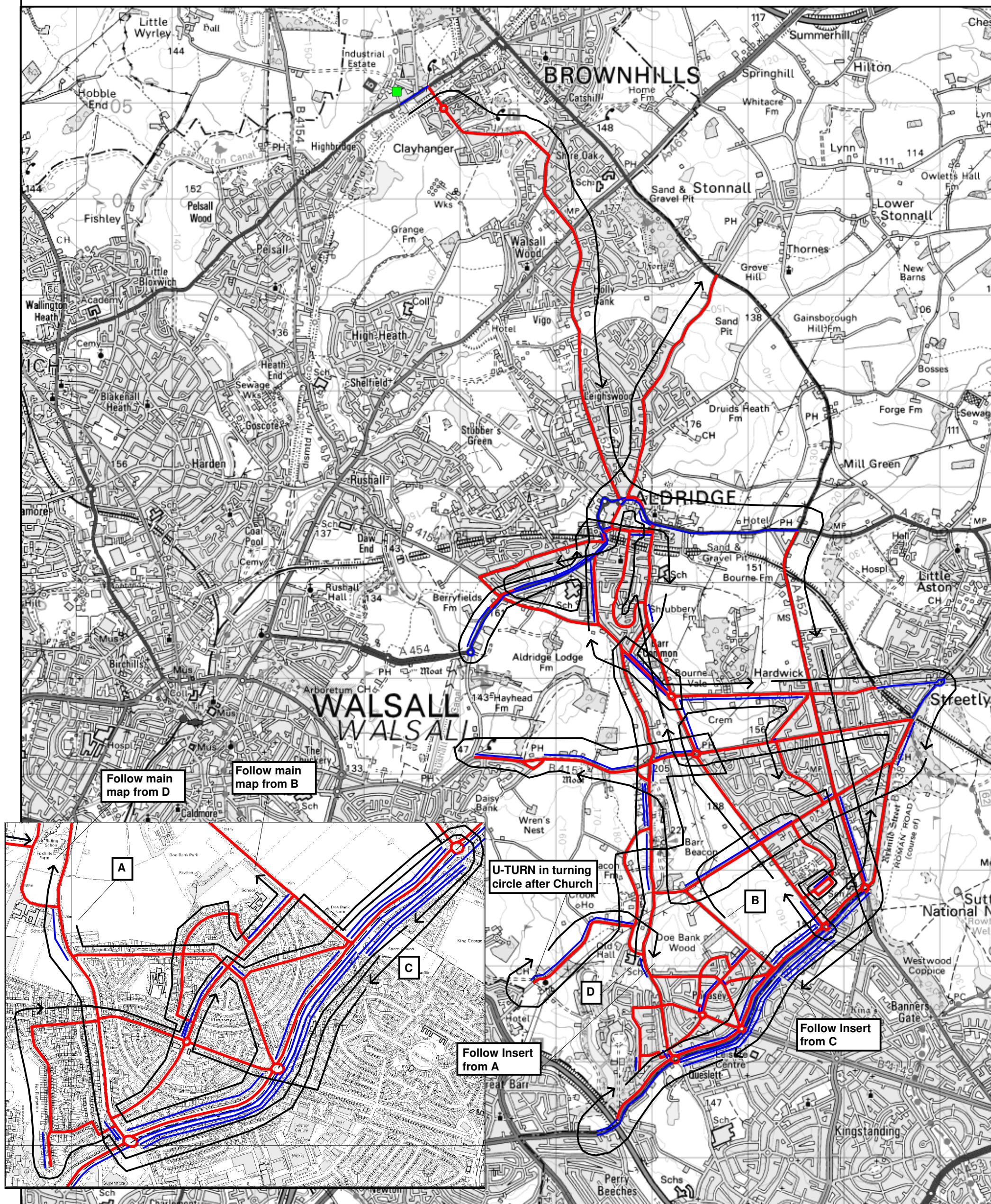
**(Continued...)**

**DEPOT : APEX ROAD  
ROUTE NUMBER : 01 (continued)**

<b>TRAVEL</b>	A4148 Blue Lane West, A454 Wolverhampton Street, Wolverhampton Road to M6/A454 r/b	<b>STRAIGHT</b>
<b>TRAVEL</b>	A454 Black Country Route to Marshland Way off slip	<b>TURN LEFT</b>
<b>TRAVEL</b>	Off slip to Marshland Way r/b	<b>TURN LEFT</b>
<b>TRAVEL</b>	Marshland Way to Bentley Road South r/b	<b>TURN RIGHT</b>
<b>GRIT</b>	Bentley Road South to Willenhall Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Willenhall Road, The Crescent to A462 Shepwell Green	<b>TURN LEFT</b>
<b>TRAVEL</b>	A462 Shepwell Green, Bilston Lane to Owen Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	A462 Owen Road to Owen Road r/b	<b>STRAIGHT</b>
<b>GRIT</b>	A462 Midland Road to The Green r/b	<b>TURN RIGHT</b>
<b>GRIT</b>	A462 The Green, Blockall Close, St Lawrence Way to A4038	<b>TURN LEFT</b>
<b>GRIT</b>	A4038 Walsall Road, Darlaston Road, Wednesbury Road to Bescot Crescent	<b>TURN RIGHT</b>
<b>GRIT</b>	Bescot Crescent to A4148 Broadway West	<b>TURN LEFT</b>
<b>TRAVEL</b>	A4148 Broadway West, Broadway, Broadway North to B4151 Sutton Road r/b	<b>TURN RIGHT</b>
<b>GRIT</b>	B4151 Sutton Road to Longwood Lane	<b>STRAIGHT</b>
<b>TRAVEL</b>	B4151 Sutton Road to Fallowfield Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Fallowfield Road to Daffodil Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Daffodil Road to B4151 Sutton Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	B4151 Sutton Road to Longwood Lane	<b>TURN LEFT</b>
<b>GRIT</b>	Longwood Lane to A454 Walsall Road r/b	

**End of Route. Return to Depot**





<b>SALT (KM):</b>	58.9	<b>DEAD (KM):</b>	33.0	<b>TOTAL (KM):</b>	91.9	<b>TIME (HRS):</b>	2:51	Underlying map base reproduced from Ordnance Survey digital map data. Ordnance Survey © Crown Copyright. All rights reserved. Licence number 100019529. Route design and artwork © Vaisala Ltd 2013.	Date: 02/09/13	Vaisala Limited Vaisala House 349 Bristol Road Birmingham B5 7SW UK <a href="http://www.vaisala.com">www.vaisala.com</a> <a href="mailto:trafficweatherconsulting@vaisala.com">trafficweatherconsulting@vaisala.com</a>
<b>EFF (%):</b>	64	<b>VEHICLE SIZE</b>	6Cu	<b>CLIMATIC DOMAIN</b>	N/A	<b>THERMAL CATEGORY</b>	N/A		Scale: 1:35000	



**DEPOT : APEX ROAD  
ROUTE NUMBER : 02**

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

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

**(Continued...)**

**DEPOT : APEX ROAD  
ROUTE NUMBER : 02 (continued)**

<b>GRIT</b>	Portland Road to A454 Walsall Road	<b>TURN LEFT</b>
<b>GRIT</b>	A454 Walsall Road to Station Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Station Road, Red House Lane to B4154 Bosty Lane	<b>TURN LEFT</b>
<b>GRIT</b>	B4154 Bosty Lane to Birmingham Road	<b>TURN LEFT</b>
<b>GRIT</b>	Birmingham Road to A454 Walsall Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	A454 Walsall Road to A454 Aldridge Road/Longwood Lane r/b	<b>U-TURN</b>
<b>TRAVEL</b>	A454 Walsall Road to start of multi lane section	<b>STRAIGHT</b>
<b>GRIT</b>	A454 Walsall Road to end of multi lane section	<b>STRAIGHT</b>
<b>TRAVEL</b>	A454 Walsall Road to Portland Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Portland Road to Whetstone Lane	<b>STRAIGHT</b>
<b>TRAVEL</b>	Portland Road to Erdington Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Erdington Road to Whetstone Lane	<b>STRAIGHT</b>
<b>TRAVEL</b>	Erdington Road to Knights Hill	<b>TURN RIGHT</b>
<b>GRIT</b>	Knights Hill to Barr Common Road	<b>TURN LEFT</b>
<b>GRIT</b>	Barr Common Road to Little Harwick Road r/b (2 <sup>nd</sup> exit)	<b>STRAIGHT</b>
<b>GRIT</b>	Little Hardwick Road, Hardwick Road to Birmingham City Council Boundary	<b>STRAIGHT</b>
<b>TRAVEL</b>	Hardwick Road to B4138/B4152 r/b	<b>TURN RIGHT</b>
<b>TRAVEL</b>	B4138 Thornhill Road to Manor Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Manor Road, Bridle Lane to B4154 Beacon Road	<b>TURN RIGHT</b>
<b>GRIT</b>	B4154 Beacon Road to Little Johnson's Lane	<b>TURN LEFT</b>
<b>GRIT</b>	Little Johnson's Lane to B4151 Sutton Road	<b>TURN LEFT</b>

**(Continued...)**

**DEPOT : APEX ROAD  
ROUTE NUMBER : 02 (continued)**

<b>GRIT</b>	B4151 Sutton Road to Sutton Road (1 <sup>st</sup> )	<b>TURN LEFT</b>
<b>GRIT</b>	Sutton Road to Sutton Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Sutton Road to B4151 Sutton Road	<b>TURN LEFT</b>
<b>GRIT</b>	B4151 Sutton Road to Walsall Boundary	<b>U-TURN</b>
<b>TRAVEL</b>	B4151 Sutton Road to Sutton Road (1 <sup>st</sup> )	<b>STRAIGHT</b>
<b>GRIT</b>	B4151 Sutton Road to Sutton Road (2 <sup>nd</sup> )	<b>STRAIGHT</b>
<b>TRAVEL</b>	B4151 Sutton Road to Little Johnson's Lane	<b>STRAIGHT</b>
<b>GRIT</b>	B4151 Sutton Road, Beacon Hill to B4154/B4151 r/b	<b>U-TURN</b>
<b>TRAVEL</b>	B4151 Beacon Hill to B4154 Beacon Road	<b>TURN LEFT</b>
<b>GRIT</b>	B4154 Beacon Road to Little Johnson's Lane	<b>STRAIGHT</b>
<b>TRAVEL</b>	B4154 Beacon Road to Pinfold Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Pinfold Lane, Chapel Lane to turning circle immediately after St Margaret Church (on left)	<b>U-TURN</b>
<b>TRAVEL</b>	Chapel Lane, Pinfold Lane to Old Hall Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Old Hall Lane to B4154 Beacon Road	<b>TURN RIGHT</b>
<b>GRIT</b>	B4154 Beacon Road to Wimperis Way	<b>TURN LEFT</b>
<b>GRIT</b>	Wimperis Way, Bonnington Way to Frampton Way	<b>TURN LEFT</b>
<b>GRIT</b>	Frampton Way to Doe Bank Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Doe Bank Lane to A4041 Queslett Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	A4041 Queslett Road to Bakers Lane/Aldridge Road r/b	<b>U-TURN</b>
<b>TRAVEL</b>	A4041 Queslett Road to B4154 r/b	<b>TURN RIGHT</b>
<b>GRIT</b>	B4154 Beacon Road to Moreton Avenue	<b>TURN LEFT</b>

**(Continued...)**

**DEPOT : APEX ROAD  
ROUTE NUMBER : 02 (continued)**

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

**(Continued...)**



**DEPOT : APEX ROAD  
ROUTE NUMBER : 02 (continued)**

<b>GRIT</b>	Raeburn Road to Pomeroy Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Pomeroy Road, (STRAIGHT over Wimperis Way) to Stanfield Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Stanfield Road to Frampton Way	<b>TURN LEFT</b>
<b>TRAVEL</b>	Frampton Way to Doe Bank Lane	<b>TURN LEFT</b>
<b>GRIT</b>	Doe Bank Lane to Bridle Lane	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Bridle Lane to Hundred Acre Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Hundred Acre Road to Brabham Crescent (2 <sup>nd</sup> )	<b>TURN LEFT</b>
<b>GRIT</b>	Brabham Crescent to Hundred Acre Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	Hundred Acre Road to Brabham Crescent	<b>STRAIGHT</b>
<b>GRIT</b>	Hundred Acre Road to Aldridge Road	<b>TURN LEFT</b>
<b>GRIT</b>	Aldridge Road to A4041 r/b	<b>U-TURN</b>
<b>TRAVEL</b>	Aldridge Road to Hundred Acre Road	<b>STRAIGHT</b>
<b>GRIT</b>	Aldridge Road to B4151 r/b	<b>STRAIGHT</b>
<b>TRAVEL</b>	Erdington Road to Little Hardwick Road r/b	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Little Hardwick Road to Wood Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Wood Lane to B4151 Foley Road West	<b>TURN LEFT</b>
<b>TRAVEL</b>	B4151 Foley Road West to Blackwood Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Blackwood Road, Ferndale Road to Bridle Lane	<b>TURN LEFT</b>
<b>TRAVEL</b>	Bridle Lane to A452 Chester Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A452 Chester Road to A4041/A452/B4138 r/b	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A4041 Queslett Road East, Queslett Road to B4154 Beacon Road r/b	<b>TURN RIGHT</b>

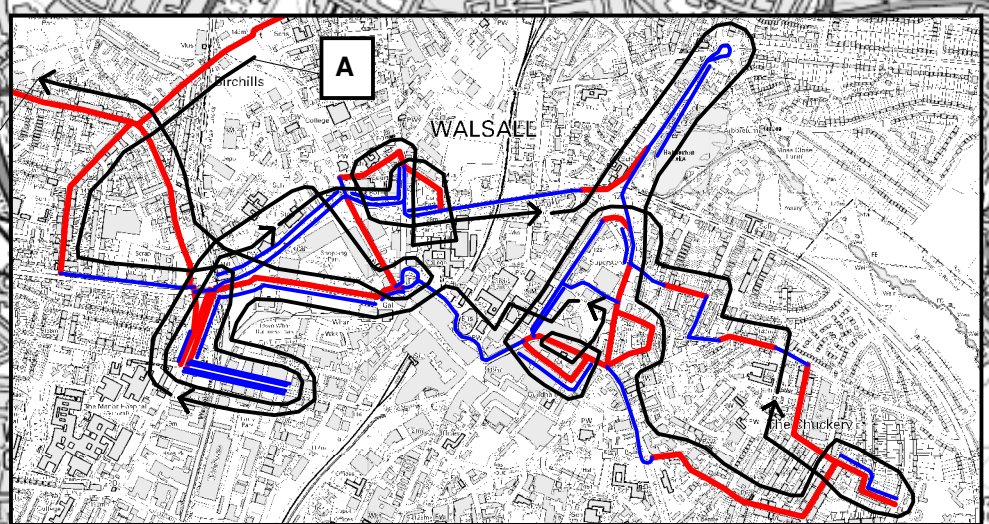
**(Continued...)**

**DEPOT : APEX ROAD  
ROUTE NUMBER : 02 (continued)**

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

**End of Route. Return to Depot**





<b>SALT (KM):</b>	54.1	<b>DEAD (KM):</b>	33.0	<b>TOTAL (KM):</b>	87.1	<b>TIME (HRS):</b>	2:42	Underlying map base reproduced from Ordnance Survey digital map data. Ordnance Survey © Crown Copyright. All rights reserved. Licence number 100019529. Route design and artwork © Vaisala Ltd 2013.	Date: 02/09/13	<a href="#">Vaisala Limited</a> <a href="#">Vaisala House</a> <a href="#">349 Bristol Road</a> <a href="#">Birmingham</a> <a href="#">B5 7SW</a> <a href="#">UK</a> <a href="http://www.vaisala.com">www.vaisala.com</a> <a href="mailto:trafficweatherconsulting@vaisala.com">trafficweatherconsulting@vaisala.com</a>
<b>EFF (%):</b>	62	<b>VEHICLE SIZE</b>	6Cu	<b>CLIMATIC DOMAIN</b>	N/A	<b>THERMAL CATEGORY</b>	N/A		Scale: 1:35000	



**DEPOT : APEX ROAD  
ROUTE NUMBER : 03**

Out of depot, TURN RIGHT and begin treatment

<b>GRIT</b>	A4124 Pelsall Road, Lichfield Road, Wolverhampton Road, Lichfield Road to A34	<b>TURN RIGHT</b>
<b>GRIT</b>	A34 Stafford Road to Staffordshire County Boundary	<b>U-TURN (at drivers discretion)</b>
<b>TRAVEL</b>	A34 Stafford Road to start of Turnberry Road junction splitter	<b>STRAIGHT</b>
<b>GRIT</b>	A34 Stafford Road to end of Turnberry Road junction splitter	<b>STRAIGHT</b>
<b>TRAVEL</b>	A34 Stafford Road to Sanstone Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	Sanstone Road to Buxton Road r/b	<b>U-TURN</b>
<b>TRAVEL</b>	Sanstone Road to A34 Stafford Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A34 Stafford Road to Turnberry Road	<b>TURN LEFT</b>
<b>GRIT</b>	Turnberry Road to B4120	<b>TURN LEFT</b>
<b>GRIT</b>	B4120 Broad Lane to A4124 Sneyd Lane	<b>TURN RIGHT</b>
<b>TRAVEL</b>	B4124 Sneyd Lane to Cresswell Crescent	<b>TURN RIGHT</b>
<b>GRIT</b>	Cresswell Crescent to B4120	<b>TURN LEFT</b>
<b>GRIT</b>	B4210 Broad Lane to Staffordshire County Boundary	<b>U-TURN (at drivers discretion)</b>
<b>TRAVEL</b>	B4210 Broad Lane to Turnberry Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	Turnberry Road to A34 Stafford Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A34 Stafford Road to Sanstone Road	<b>TURN LEFT</b>
<b>GRIT</b>	Sanstone Road circulate Buxton Road r/b	<b>TURN LEFT</b>

**(Continued...)**

**DEPOT : APEX ROAD  
ROUTE NUMBER : 03 (continued)**

<b>GRIT</b>	Buxton Road to Stoney Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Stoney Lane to Selmans Hill	<b>TURN LEFT</b>
<b>GRIT</b>	Selmans Hill, Field Road, Pinfold to B4210	<b>TURN LEFT</b>
<b>GRIT</b>	B4210 High Street, Bloxwich Road to Hospital Street	<b>TURN RIGHT</b>
<b>GRIT</b>	Hospital Street, Old Birchills to Bentley Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Bentley Lane to Pargeter Street	<b>TURN LEFT</b>
<b>GRIT</b>	Pargeter Street to A454 Wolverhampton Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	A454 Wolverhampton Road to A4148 Pleck Road	<b>TURN RIGHT</b>
<b>GRIT</b>	A4148 Pleck Road to Bridgeman Street	<b>TURN LEFT</b>
<b>TRAVEL</b>	Bridgeman Street to Augustus Street (on left)	<b>U-TURN</b>
<b>TRAVEL</b>	Bridgeman Street to A4148 Pleck Road	<b>TURN RIGHT</b>
<b>GRIT</b>	A4148 Pleck Road to A454	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A454 Wolverhampton Street, A4148 Blue Lane West, Court Way to B4210	<b>TURN LEFT</b>
<b>TRAVEL</b>	B4210 Stafford Street to Day Street	<b>TURN RIGHT</b>
<b>GRIT</b>	Day Street, Wisemore to A4148 Court Way	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A4148 Court Way to B4210	<b>TURN RIGHT</b>
<b>TRAVEL</b>	B4210 Stafford Street to Day Street	<b>STRAIGHT</b>
<b>GRIT</b>	B4210 Stafford Street to Blue Lane East	<b>TURN LEFT</b>
<b>GRIT</b>	Blue Lane East to A34 Green Lane	<b>TURN LEFT</b>
<b>TRAVEL</b>	A34 Green Lane to A4148	<b>TURN LEFT</b>
<b>TRAVEL</b>	A4148 Court Way, Littleton Street West to A461 Filter Lane	<b>TURN LEFT</b>
<b>(Continued...)</b>		

**DEPOT : APEX ROAD  
ROUTE NUMBER : 03 (continued)**

<b>GRIT</b>	Start of Filter Lane to A461 Lichfield Street	<b>STRAIGHT</b>
<b>TRAVEL</b>	A461 Lichfield Street to A454 Mellish Road r/b	<b>U-TURN</b>
<b>TRAVEL</b>	A461 Lichfield Street to A4148	<b>STRAIGHT</b>
<b>TRAVEL</b>	Lower Rushall Street to Walhouse Road (on left)	<b>STRAIGHT</b>
<b>GRIT</b>	Lower Rushall Street to Holtshill Lane	<b>TURN LEFT</b>
<b>GRIT</b>	Holtshill Lane to Union Street	<b>TURN RIGHT</b>
<b>GRIT</b>	Union Street to Wedge Street	<b>TURN RIGHT</b>
<b>GRIT</b>	Wedge Street, Warewell Street to Ablewell Street	<b>TURN LEFT</b>
<b>TRAVEL</b>	Ablewell Street to Pool Street r/b	<b>TURN LEFT</b>
<b>GRIT</b>	Pool Street, Box Street, Burleigh Street, Kinnerley Street to Lumley Road	<b>TURN LEFT</b>
<b>GRIT</b>	Lumley Road to Chuckery Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Chuckery Road to Willows Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Willows Road to Prince's Avenue	<b>U-TURN</b>
<b>TRAVEL</b>	Willows Road to Chuckery Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	Chuckery Road to Lumley Road	<b>STRAIGHT</b>
<b>GRIT</b>	Chuckery Road to Tong Street	<b>TURN RIGHT</b>
<b>GRIT</b>	Tong Street to Lincoln Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	Lincoln Road to Calder Avenue (on right)	<b>STRAIGHT</b>
<b>GRIT</b>	Lincoln Road to Paddock Lane (on left)	<b>STRAIGHT</b>
<b>TRAVEL</b>	Holtshill Lane to Rowley Street	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Rowley Street to Walhouse Road	<b>TURN LEFT</b>
<b>(Continued...)</b>		

**DEPOT : APEX ROAD  
ROUTE NUMBER : 03 (continued)**

<b>GRIT</b>	Walhouse Road to Persehouse Street	<b>STRAIGHT</b>
<b>TRAVEL</b>	Walhouse Road to Lower Rushall Street	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Lower Rushall Street to Lichfield Street left hand Filter Lane	<b>TURN LEFT</b>
<b>GRIT</b>	Left hand Filter Lane to Lichfield Street	<b>STRAIGHT</b>
<b>TRAVEL</b>	Lichfield Street to Bridge Street	<b>STRAIGHT</b>
<b>GRIT</b>	Bridge Street, Freer Street to Goodall Street	<b>TURN LEFT</b>
<b>GRIT</b>	Goodall Street to Bridge Street	<b>TURN LEFT</b>
<b>GRIT</b>	Bridge Street to Freer Street	<b>TURN LEFT</b>
<b>TRAVEL</b>	Freer Street to Goodall Street	<b>TURN LEFT</b>
<b>TRAVEL</b>	Goodall Street to Bridge Street	<b>TURN RIGHT</b>
<b>GRIT</b>	Bridge Street to Lower Rushall Street	<b>TURN LEFT</b>
<b>GRIT</b>	Lower Russell Street to Whittimere Street	<b>TURN LEFT</b>
<b>TRAVEL</b>	Whittimere Street to Intown Row	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Intown Row to Lichfield Street	<b>TURN LEFT</b>
<b>TRAVEL</b>	Lichfield Street to Bridge Street	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Bridge Street to St Pauls Street	<b>TURN RIGHT</b>
<b>TRAVEL</b>	St Pauls Street to Hatherton Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	St Pauls Street to Townend Street r/b	<b>TURN LEFT</b>
<b>GRIT</b>	Townend Street, Wolverhampton Street to A4148 Wolverhampton Road	<b>TURN LEFT</b>
<b>GRIT</b>	A4148 Wolverhampton Road to A4148 Pleck Road	<b>TURN LEFT</b>
<b>GRIT</b>	A4148 Pleck Road to Pleck Road traffic lights filter junction	<b>STRAIGHT</b>

**(Continued...)**

**DEPOT : APEX ROAD  
ROUTE NUMBER : 03 (continued)**

<b>TRAVEL</b>	A4148 Pleck Road to Bridgeman Street	<b>TURN LEFT</b>
<b>TRAVEL</b>	Bridgeman Street to Augustus Street (on left)	<b>U-TURN</b>
<b>TRAVEL</b>	Bridgeman Street to A4148 Pleck Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A4148 Pleck Road to A454 Filter Road (on left)	<b>STRAIGHT</b>
<b>GRIT</b>	A4148 Pleck Road to A4148 Wolverhampton Street	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A4148 Wolverhampton Street, Blue Lane West to A34 Green Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Green Lane to Townend Street	<b>TURN LEFT</b>
<b>GRIT</b>	Townend Street to St Pauls Street r/b	<b>U-TURN</b>
<b>TRAVEL</b>	Townend Street, Wolverhampton Street to A4148	<b>TURN LEFT</b>
<b>TRAVEL</b>	A4148 Wolverhampton Street to Hollyhedge Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Hollyhedge Lane, Bentley Lane to Bloxwich Lane r/b	<b>TURN LEFT</b>
<b>GRIT</b>	Bloxwich Lane to Churchill Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Churchill Road to B4464 Wolverhampton Road West	<b>TURN LEFT</b>
<b>GRIT</b>	B4464 Wolverhampton Road West to M6/A454 r/b	<b>U-TURN</b>
<b>TRAVEL</b>	B4464 Wolverhampton Road West to start of dual c-way section	<b>STRAIGHT</b>
<b>GRIT</b>	B4464 Wolverhampton Road West to end of dual c-way section	<b>STRAIGHT</b>
<b>TRAVEL</b>	B4464 Wolverhampton Road West to Churchill Road (on right)	<b>STRAIGHT</b>
<b>GRIT</b>	B4464 Wolverhampton Road West to A462 Crescent Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A462 Crescent Road to B4464 Walsall Road	<b>TURN LEFT</b>
<b>GRIT</b>	B4464 Walsall Road to Albion Street	<b>TURN RIGHT</b>
<b>GRIT</b>	Albion Street, St Anne's Road to Bloxwich Road South r/b	<b>TURN LEFT</b>

**(Continued...)**



**DEPOT : APEX ROAD  
ROUTE NUMBER : 03 (continued)**

<b>GRIT</b>	Bloxwich Road South to B4484 r/b	<b>TURN RIGHT</b>
<b>GRIT</b>	B4484 Wednesfield Road, Wellington Place, Fibbersley to Broad Lane South (on right)	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Broad Lane South to Pool Haynes Lane	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Pool Haynes Lane to boundary	<b>STRAIGHT</b>
<b>GRIT</b>	Pool Haynes Lane to Lucknow Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Lucknow Road to Spring Lane	<b>TURN LEFT</b>
<b>GRIT</b>	Spring Lane to A462 High Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	A462 High Road to Mill Lane	<b>TURN LEFT</b>
<b>GRIT</b>	Mill Lane to Lucknow Road	<b>TURN LEFT</b>
<b>GRIT</b>	Lucknow Road to Pool Haynes Lane (on right)	<b>STRAIGHT</b>
<b>TRAVEL</b>	Lucknow Road to Spring Lane	<b>STRAIGHT</b>
<b>GRIT</b>	Ashmore Lake Road to Ashmore Lake Way	<b>TURN LEFT</b>
<b>GRIT</b>	Ashmore Lake Way to Charles Street	<b>TURN RIGHT</b>
<b>GRIT</b>	Charles Street, Stringles Lane to St Anne's Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	St Anne's Road to Thorne Road r/b	<b>STRAIGHT</b>
<b>GRIT</b>	Thorne Road to B4484 Wellington Place	<b>TURN RIGHT</b>
<b>TRAVEL</b>	B4484 Wellington Place to Noose Lane r/b	<b>TURN LEFT</b>
<b>GRIT</b>	Noose Lane to boundary	<b>STRAIGHT</b>
<b>TRAVEL</b>	Noose Lane to A454	<b>TURN LEFT</b>
<b>TRAVEL</b>	A454 Willenhall Road to B4464 Somerford Place r/b	<b>TURN LEFT</b>
<b>GRIT</b>	B4464 Somerford Place, New Road to B4464/B4157 r/b	<b>STRAIGHT</b>

**(Continued...)**

**DEPOT : APEX ROAD  
ROUTE NUMBER : 03 (continued)**

<b>GRIT</b>	B4464 Walsall Road to Hall Street	<b>TURN LEFT</b>
<b>GRIT</b>	Hall Street to John Street	<b>TURN LEFT</b>
<b>GRIT</b>	John Street to Cheapside	<b>STRAIGHT</b>
<b>GRIT</b>	Cross Street to Market Place	<b>TURN LEFT</b>
<b>GRIT</b>	Market Place to B4464 New Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	B4464 New Road, Walsall Road to Hall Street	<b>STRAIGHT</b>
<b>GRIT</b>	B4464 Walsall Street to Birmingham Street	<b>TURN RIGHT</b>
<b>GRIT</b>	Birmingham Street to A462 Bilston Lane	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Bilston Lane to A462 Owen Road	<b>STRAIGHT</b>
<b>GRIT</b>	B4590 Bilston Lane to B4590/A454 r/b	<b>TURN RIGHT</b>
<b>GRIT</b>	A454 on slip to A454	<b>STRAIGHT</b>
<b>TRAVEL</b>	A454 The Keyway to B4464 Somerford Place r/b	<b>TURN RIGHT</b>
<b>TRAVEL</b>	B4464 Somerford Place to Summer Street	<b>TURN LEFT</b>
<b>GRIT</b>	Summer Street to Aston Road	<b>TURN LEFT</b>
<b>GRIT</b>	Aston Road to Noose Lane	<b>TURN LEFT</b>
<b>TRAVEL</b>	Noose Lane to A454	<b>TURN LEFT</b>
<b>TRAVEL</b>	A454 Willenhall Road, The Keyway to B4590 off slip	<b>TURN LEFT</b>
<b>GRIT</b>	Off slip to B4590/A454 r/b	<b>TURN LEFT</b>
<b>GRIT</b>	B4590 Bilston Lane to B4157 Rose Hill	<b>TURN LEFT</b>
<b>GRIT</b>	B4157 Rose Hill, Bilston Street to B4464 r/b	<b>TURN LEFT</b>
<b>TRAVEL</b>	B4464 New Road to Wolverhampton Street r/b (3 <sup>rd</sup> exit)	<b>TURN RIGHT</b>
<b>GRIT</b>	Wolverhampton Street to Stafford Street	<b>TURN LEFT</b>

**(Continued...)**

**DEPOT : APEX ROAD  
ROUTE NUMBER : 03 (continued)**

<b>GRIT</b>	Stafford Street, Moat Street to B4484 r/b	<b>U-TURN</b>
<b>GRIT</b>	Moat Street to Gower Street	<b>TURN RIGHT</b>
<b>GRIT</b>	Gower Street, Upper Lichfield Street to Union Street	<b>TURN RIGHT</b>
<b>GRIT</b>	Union Street to Stafford Street	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Stafford Street to Moat Street	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Moat Street to Gower Street	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Gower Street, Upper Lichfield Street to Union Street	<b>STRAIGHT</b>
<b>GRIT</b>	Upper Lichfield Street to Lower Lichfield Street	<b>TURN LEFT</b>
<b>GRIT</b>	Lower Lichfield Street, Leve Lane to John Street	<b>TURN RIGHT</b>
<b>GRIT</b>	John Street to Hall Street	<b>STRAIGHT</b>
<b>TRAVEL</b>	John Street to Cheapside	<b>TURN RIGHT</b>
<b>GRIT</b>	Cheapside to Lower Lichfield Street	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Lower Lichfield Street, Leve Lane to John Street	<b>TURN RIGHT</b>
<b>TRAVEL</b>	John Street to Hall Street	<b>TURN LEFT</b>
<b>TRAVEL</b>	Hall Street to B4464	<b>TURN LEFT</b>
<b>TRAVEL</b>	B4464 Walsall Street to Birmingham Street (on right)	<b>STRAIGHT</b>
<b>GRIT</b>	B4464 Walsall Road to Albion Street (on left)	<b>STRAIGHT</b>
<b>TRAVEL</b>	B4464 Walsall Road to A462	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A462 Crescent Road to B4464	<b>TURN LEFT</b>
<b>GRIT</b>	B4464 Wolverhampton Road West to end of dual c-way section	<b>STRAIGHT</b>
<b>TRAVEL</b>	B4464 Wolverhampton Road West to Churchill Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	Churchill Road to Attlee Road	<b>TURN LEFT</b>

**(Continued...)**

**DEPOT : APEX ROAD  
ROUTE NUMBER : 03 (continued)**

<b>GRIT</b>	Attlee Road to Bevin Road	<b>TURN LEFT</b>
<b>GRIT</b>	Bevin Road to Monmouth Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Monmouth Road to Poplar Avenue	<b>TURN RIGHT</b>
<b>GRIT</b>	Poplar Avenue to Churchill Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Churchill Road to Queen Elizabeth Avenue	<b>TURN LEFT</b>
<b>GRIT</b>	Queen Elizabeth Avenue to B4464	<b>STRAIGHT</b>
<b>GRIT</b>	Bentley Road North to Bentley Road South r/b	<b>U-TURN</b>
<b>TRAVEL</b>	Bentley Road North to B4464 Wolverhampton Road West	<b>STRAIGHT</b>
<b>GRIT</b>	Queen Elizabeth Avenue to Morris Avenue (on left)	<b>STRAIGHT</b>
<b>TRAVEL</b>	Queen Elizabeth Avenue to Churchill Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	Churchill Road to Attlee Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Attlee Road to Bevin Road (on left)	<b>STRAIGHT</b>
<b>GRIT</b>	Attlee Road to Poplar Avenue	<b>TURN LEFT</b>
<b>TRAVEL</b>	Poplar Avenue to Monmouth Road	<b>STRAIGHT</b>
<b>GRIT</b>	Poplar Avenue to Granbourne Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Granbourne Road to Stroud Avenue	<b>TURN LEFT</b>
<b>GRIT</b>	Stroud Avenue to Stroud Avenue	<b>TURN RIGHT</b>
<b>GRIT</b>	Stroud Avenue (loop clockwise) to Furzebank Way (2 <sup>nd</sup> of 2)	<b>TURN LEFT</b>
<b>GRIT</b>	Furzebank Way (loop anti clockwise) to Stroud Avenue	<b>TURN LEFT</b>
<b>TRAVEL</b>	Stroud Avenue to Furzebank Way	<b>STRAIGHT</b>
<b>GRIT</b>	Stroud Avenue to Granbourne Road	<b>STRAIGHT</b>
<b>TRAVEL</b>	Stroud Avenue to Stroud Avenue	<b>TURN LEFT</b>

**(Continued...)**



**DEPOT : APEX ROAD  
ROUTE NUMBER : 03 (continued)**

<b>GRIT</b>	Stroud Avenue to A462 Sandbeds Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	Sandbeds Road to Charles Street r/b	<b>TURN RIGHT</b>
<b>GRIT</b>	Charles Street to Ashmore Lake Way	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Ashmore Lake Way to Ashmore Lake Road	<b>TURN LEFT</b>
<b>GRIT</b>	Ashmore Lake Road, Mortimer Lane to Bloxwich Road South r/b	<b>STRAIGHT</b>
<b>TRAVEL</b>	Bloxwich Road South to B4484 r/b	<b>TURN LEFT</b>
<b>GRIT</b>	B4484 Temple Bar to B4484 Field Street r/b	<b>TURN RIGHT</b>
<b>GRIT</b>	B4484 Field Street, Pinson Road to Wolverhampton Street r/b	<b>TURN LEFT</b>
<b>TRAVEL</b>	Wolverhampton Street to Stafford Street	<b>STRAIGHT</b>
<b>GRIT</b>	Market Place to Cross Street (on left)	<b>STRAIGHT</b>
<b>TRAVEL</b>	Market Place to B4464 New Road	<b>TURN LEFT</b>
<b>GRIT</b>	B4464 New Road to B4157/B4464 r/b	<b>TURN RIGHT</b>
<b>GRIT</b>	B4157 Bilston Street, Rose Hill to B4590	<b>TURN RIGHT</b>
<b>TRAVEL</b>	B4590 Bilston Lane to A454/B4590 r/b	<b>TURN LEFT</b>
<b>GRIT</b>	A454 on slip to A454 The Keyway	<b>STRAIGHT</b>
<b>TRAVEL</b>	A454 the Keyway to Keyway Junction r/b	<b>TURN RIGHT</b>
<b>GRIT</b>	A463 on slip to A463 Black Country Route	<b>STRAIGHT</b>
<b>TRAVEL</b>	A463 Black Country Route to A463/A4444 r/b	<b>U-TURN</b>
<b>TRAVEL</b>	A463 Black Country Route to A454 off slip	<b>TURN LEFT</b>
<b>TRAVEL</b>	Off slip to A454 The Keyway Filter Lane	<b>TURN LEFT</b>
<b>GRIT</b>	Filter Lane to A454 The Keyway	<b>STRAIGHT</b>

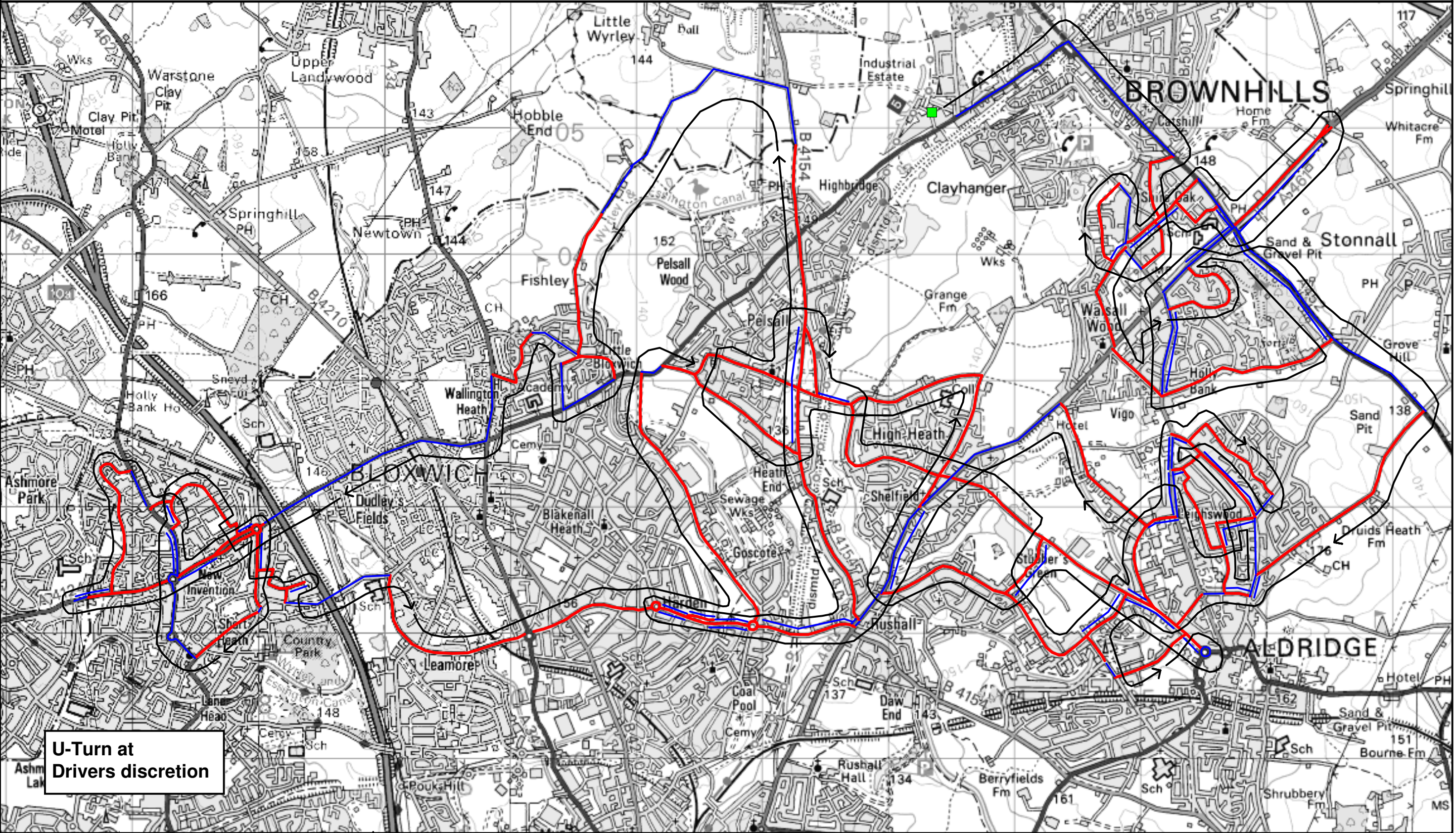
**(Continued...)**

**DEPOT : APEX ROAD**  
**ROUTE NUMBER : 03 (continued)**

<b>TRAVEL</b>	A454 The Keyway to B4590 off slip	<b>TURN LEFT</b>
<b>GRIT</b>	B4590 off slip to B4590/A454 r/b	<b>U-TURN</b>
<b>TRAVEL</b>	A454 on slip, A454 The Keyway to A453/A463 r/b	<b>STRAIGHT</b>
<b>GRIT</b>	A454 on slip to A454 Black County Route	<b>STRAIGHT</b>
<b>TRAVEL</b>	A454 Black County Route to Marshland Way off slip	<b>TURN LEFT</b>
<b>GRIT</b>	Off slip road to Marshland Way r/b	<b>STRAIGHT</b>
<b>TRAVEL</b>	Marshland Way r/b to A454 E/B on slip	<b>STRAIGHT</b>
<b>GRIT</b>	A454 on slip to A454 Black County Route	<b>STRAIGHT</b>
<b>TRAVEL</b>	A454 Black County Route to M6/A454 r/b	<b>STRAIGHT</b>
<b>TRAVEL</b>	A454 Wolverhampton Road to Bloxwich Lane	<b>TURN LEFT</b>
<b>GRIT</b>	Bloxwich Lane to Churchill Road	<b>STRAIGHT</b>
<b>TRAVEL</b>	Bloxwich Lane to Bloxwich Lane r/b	<b>STRAIGHT</b>
<b>GRIT</b>	Bloxwich Lane (circulate r/b) to Leamore Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Leamore Lane to Fryer's Road	<b>TURN LEFT</b>
<b>GRIT</b>	Fryer's Road to Willenhall Lane	<b>TURN LEFT</b>
<b>GRIT</b>	Willenhall Lane to Moorlands Road (on right)	

**End of Route. Return to Depot**





SALT (KM):	49.8	DEAD (KM):	33.7	TOTAL (KM):	83.5	TIME (H:M):	2:35	Underlying map base reproduced from Ordnance Survey digital map data. Ordnance Survey © Crown Copyright. All rights reserved. Licence number 100019529. Route design and artwork © Vaisala Ltd 2013.	Date:	02/09/2013	Vaisala Limited Vaisala House 351 Bristol Road Birmingham UK B5 7SW www.vaisala.com trafficweatherconsulting@vaisala.com
EFF. (%):	60	VEHICLE SIZE:	6Cu	CLIMATIC DOMAIN:	N/A	THERMAL CATEGORY:	N/A		Scale:	1:30000	
										Drawn By:	J.Wilson



**DEPOT : APEX ROAD  
ROUTE NUMBER : 04**

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

<b>GRIT</b>	B4152 Lindon Road to Commonsideside	<b>TURN LEFT</b>
<b>GRIT</b>	Commonsideside to Pauls Coppice	<b>TURN LEFT</b>
<b>GRIT</b>	Pauls Coppice and across Friezland Lane onto Commonsideside	<b>STRAIGHT</b>
<b>GRIT</b>	Commonsideside, Occupation Road to B4152 Brownhills Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	B4152 Brownhills Road to B4153 Coppice Road	<b>TURN LEFT</b>
<b>GRIT</b>	B4153 Coppice Road to Maybrook Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Maybrook Road to Clayhanger Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Clayhanger Road to B4152 Lindon Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	B4152 Lindon Road to Friezland Lane	<b>TURN LEFT</b>
<b>GRIT</b>	Friezland Lane to A452 Chester Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A452 Chester Road to A461 Lichfield Road	<b>TURN LEFT</b>
<b>GRIT</b>	A461 Lichfield Road to Walsall Boundary (through c-way)	<b>U-TURN</b>
<b>GRIT</b>	A461 Lichfield Road to end of Dual Carriageway	<b>STRAIGHT</b>
<b>TRAVEL</b>	A461 Lichfield Road to A452 Chester Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A452 Chester Road to Adams Road	<b>TURN LEFT</b>
<b>GRIT</b>	Adams Road to St Marks Road	<b>TURN RIGHT</b>
<b>GRIT</b>	St Marks Road to Friezland Lane	<b>TURN LEFT</b>
<b>TRAVEL</b>	Friezland Lane to B4152 Lindon Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	B4152 Lindon Road to B4153 Coppice Road	<b>TURN RIGHT</b>

**(Continued...)**

**DEPOT : APEX ROAD  
ROUTE NUMBER : 04 (continued)**

<b>TRAVEL</b>	B4153 Coppice Road to Maybrook Road (on right)	<b>STRAIGHT</b>
<b>GRIT</b>	B1453 Coppice Road to A461 (right then left)	<b>STRAIGHT</b>
<b>GRIT</b>	Brookland Road to B4152 Salters Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	B4152 Salters Road to Wolverson Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Wolverson Road, Holly Lane, Shire Ridge to A461 Lichfield Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A461 Lichfield Road to A452 Chester Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A452 Chester Road to Castlehill Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Castlehill Road, Castle Road to B4152 Salters Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	B4152 Salters Road to A461 Lichfield Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A461 Lichfield Road to A452 Chester Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A452 Chester Road to Birch Lane Stonnall	<b>TURN RIGHT</b>
<b>GRIT</b>	Birch Lane Stonnall, Stonnall Road to Walsall Wood Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	Walsall Wood Road to Leighswood Avenue	<b>TURN RIGHT</b>
<b>GRIT</b>	Leighswood Avenue to Broad Meadow (on right)	<b>STRAIGHT</b>
<b>TRAVEL</b>	Leighswood Avenue to B4152 Northgate r/b	<b>STRAIGHT</b>
<b>GRIT</b>	Leighswood Avenue to Leighswood Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Leighswood Road, Stubbers Green Road to Wharf Approach	<b>TURN LEFT</b>
<b>GRIT</b>	Wharf Approach to Dumblederry Lane	<b>TURN LEFT</b>
<b>GRIT</b>	Dumblederry Lane to Middlemore Lane West (on right)	<b>STRAIGHT</b>
<b>TRAVEL</b>	Dumblederry Lane to Middlemore Lane	<b>TURN LEFT</b>
<b>GRIT</b>	Middlemore Lane to Leighswood Road	<b>TURN RIGHT</b>

**(Continued...)**

**DEPOT : APEX ROAD  
ROUTE NUMBER : 04 (continued)**

<b>GRIT</b>	Leighswood Road to A454 r/b	<b>U-TURN</b>
<b>TRAVEL</b>	Leighswood Road to Middlemore Lane (on left),	<b>STRAIGHT</b>
<b>GRIT</b>	Leighswood Road to Leighswood Avenue (on right)	<b>STRAIGHT</b>
<b>TRAVEL</b>	Leighswood Road, Stubbers Green Road to Wharf Approach (on left)	<b>STRAIGHT</b>
<b>GRIT</b>	Stubbers Green Road to Barns Lane	<b>TURN LEFT</b>
<b>GRIT</b>	Barns Lane to Barns Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Barns Lane to A461 Lichfield Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A461 Lichfield Road to Four Crosses Road	<b>TURN LEFT</b>
<b>GRIT</b>	Four Crosses Road to Mill Road (right then left)	<b>STRAIGHT</b>
<b>GRIT</b>	Green Lane to Mob Lane	<b>TURN LEFT</b>
<b>GRIT</b>	Mob Lane, Coronation Road to Ford Brook Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Ford Brook Lane, Vicarage Road to Walsall Road	<b>TURN LEFT</b>
<b>GRIT</b>	Walsall Road to Allens Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Allens Lane to Mouse Hill	<b>TURN RIGHT</b>
<b>GRIT</b>	Mouse Hill, Hall Lane to Norton Road	<b>TURN LEFT</b>
<b>GRIT</b>	Norton Road to Station Road (2 <sup>nd</sup> )	<b>TURN RIGHT</b>
<b>GRIT</b>	Station Road, Victoria Road to Ford Brook Lane	<b>TURN LEFT</b>
<b>TRAVEL</b>	Ford Brook Lane to Coronation Road (on left)	<b>STRAIGHT</b>
<b>GRIT</b>	Ford Brook Lane, Mill Road to A461 Lichfield Road	<b>STRAIGHT</b>
<b>GRIT</b>	Spring Road to Stubbers Green Road r/b	<b>STRAIGHT</b>
<b>GRIT</b>	Stubbers Green Road to Barns Lane	<b>TURN RIGHT</b>
		<b>(Continued...)</b>



**DEPOT : APEX ROAD  
ROUTE NUMBER : 04 (continued)**

<b>TRAVEL</b>	Barns Lane to Westgate	<b>TURN LEFT</b>
<b>GRIT</b>	Westgate to Dumblederry Lane (on right)	<b>STRAIGHT</b>
<b>TRAVEL</b>	Wharf Approach to Stubbers Green Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Stubbers Green Road to Brickyard Road	<b>TURN LEFT</b>
<b>GRIT</b>	Brickyard Road, Northgate Way to B4152 Northgate	<b>TURN LEFT</b>
<b>TRAVEL</b>	B4152 Northgate to Walsall Wood Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Walsall Wood Road to Greenwood Road	<b>TURN LEFT</b>
<b>GRIT</b>	Greenwood Road to Kingshayes Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Kingshayes Road to Lazy Hill Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Lazy Hill Road to Walsall Wood Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Walsall Wood Road to Greenwood Road (on right)	<b>STRAIGHT</b>
<b>TRAVEL</b>	Walsall Wood Road to B4152 Northgate	<b>TURN LEFT</b>
<b>TRAVEL</b>	B4152 Northgate to Walton Road	<b>TURN LEFT</b>
<b>GRIT</b>	Walton Road to Walsall Wood Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Walsall Wood Road to Lancaster Avenue	<b>TURN RIGHT</b>
<b>GRIT</b>	Lancaster Avenue to Broad Meadow	<b>TURN LEFT</b>
<b>GRIT</b>	Broad Meadow to Leighswood Avenue	<b>TURN LEFT</b>
<b>TRAVEL</b>	Leighswood Avenue to Walsall Wood Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	Walsall Wood Road to Lancaster Avenue	<b>TURN LEFT</b>
<b>TRAVEL</b>	Lancaster Avenue to Broad Meadow	<b>TURN LEFT</b>
<b>TRAVEL</b>	Broad Meadow to Wellfield Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Wellfield Road, Brookfield Road to Herbert Road	<b>TURN LEFT</b>

**(Continued...)**

**DEPOT : APEX ROAD  
ROUTE NUMBER : 04 (continued)**

<b>GRIT</b>	Herbert Road to Walton Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	Walton Road to B4152 Northgate	<b>TURN LEFT</b>
<b>TRAVEL</b>	B4152 Northgate to Northgate Way	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Northgate Way to Brickyard Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Brickyard Road, Boatmans Lane to A461 Walsall Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	A461 Walsall Road, Lichfield Road to Station Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Station Road, Harden Road to Ross Road/Goscote Lane r/b	<b>STRAIGHT</b>
<b>GRIT</b>	Harden Road to Chestnut Road r/b	<b>U-TURN</b>
<b>TRAVEL</b>	Harden Road to start of dual carriageway	<b>STRAIGHT</b>
<b>GRIT</b>	Harden Road to end of dual carriageway section	<b>STRAIGHT</b>
<b>TRAVEL</b>	Harden Road to Ross Road/Goscote Lane r/b	<b>STRAIGHT</b>
<b>TRAVEL</b>	Harden Road, Station Road to A461 Lichfield Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	A461 Lichfield Road to B4154 Pelsall Lane	<b>TURN LEFT</b>
<b>GRIT</b>	B4154 Pelsall Lane, Walsall Road to Allens Lane (on left)	<b>STRAIGHT</b>
<b>TRAVEL</b>	B4154 Walsall Road, Norton Road to Station Road (2 <sup>nd</sup> on right)	<b>STRAIGHT</b>
<b>GRIT</b>	B4154 Norton Road to A4124 Wolverhampton Road	<b>STRAIGHT</b>
<b>GRIT</b>	over A4124 onto B4154 Norton Road to Walsall Boundary	<b>STRAIGHT</b>
<b>TRAVEL</b>	B4154 Norton Road, Lime Lane to Wyrley Lane	<b>TURN LEFT</b>
<b>TRAVEL</b>	Wyrley Lane to Fishley Lane	<b>TURN LEFT</b>
<b>TRAVEL</b>	Fishley Lane to Walsall Boundary	<b>STRAIGHT</b>
<b>GRIT</b>	Fishley Lane to Buxton Road	<b>TURN LEFT</b>
<b>(Continued...)</b>		

**DEPOT : APEX ROAD  
ROUTE NUMBER : 04 (continued)**

<b>GRIT</b>	Buxton Road, Stoney Lane, Pelsall Lane to A4124 Lichfield Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A4124 Lichfield Road to Selmans Hill	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Selmans Hill to Stoney Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Stoney Lane to Buxton Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	Buxton Road to start of Buxton Road r/b splitter	<b>STRAIGHT</b>
<b>GRIT</b>	Buxton Road to r/b	<b>TURN LEFT</b>
<b>GRIT</b>	Sanstone Road, Stoney Lane to A34 Stafford Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	A34 Stafford Road to A4124 Bell Lane	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A4124 Bell Lane, Sneyd Lane, Lichfield Road to Crab Lane Mini r/b	<b>STRAIGHT</b>
<b>GRIT</b>	A4124 Lichfield Road to Pooles Lane r/b	<b>TURN RIGHT</b>
<b>GRIT</b>	A4124 Lichfield Road to A462 r/b	<b>STRAIGHT</b>
<b>GRIT</b>	A4124 to Walsall Boundary and at Driver's discretion	<b>U-TURN</b>
<b>TRAVEL</b>	A4124 Lichfield Road to Coppice Farm Way	<b>TURN LEFT</b>
<b>GRIT</b>	Coppice Farm Way to A462 Essington Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A462 Essington Road to Dorchester Road	<b>TURN LEFT</b>
<b>GRIT</b>	Dorchester Road to Hilton Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Hilton Road to Beacon Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Beacon Road to A462 Essington Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	A462 Essington Road to A4124/A462 r/b	<b>TURN LEFT</b>
<b>TRAVEL</b>	A4124 Lichfield Road to start of Dual Carriageway	<b>STRAIGHT</b>
<b>GRIT</b>	A4124 Lichfield Road to Pooles Lane r/b	<b>TURN RIGHT</b>

**(Continued...)**



**DEPOT : APEX ROAD  
ROUTE NUMBER : 04 (continued)**

<b>GRIT</b>	Pooles Lane to Bloxwich Road North	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Bloxwich Road North to Coltham Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Coltham Road to A462 Wesley Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A462 Wesley Road to Coppice Lane r/b	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A462 Cannock Road to A4124 r/b	<b>STRAIGHT</b>
<b>TRAVEL</b>	A462 Essington Road to Beacon Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Beacon Road to Hilton Road	<b>TURN LEFT</b>
<b>GRIT</b>	Hilton Road, Jones Road to Moore Road	<b>TURN LEFT</b>
<b>GRIT</b>	Moore Road to Fletcher Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Fletcher Road to A4124 Lichfield Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	A4124 Lichfield Road to Pooles Lane r/b	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Pooles Lane to Byron Road	<b>TURN LEFT</b>
<b>GRIT</b>	Byron Road to Keats Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Keats Road, Wordsworth Road to Coleridge Close	<b>U-TURN</b>
<b>TRAVEL</b>	Wordsworth Road to Shelley Road	<b>TURN LEFT</b>
<b>GRIT</b>	Shelley Road to Wood Lane	<b>TURN LEFT</b>
<b>TRAVEL</b>	Wood Lane, Willenhall Lane to Leamore Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Leamore Lane to A34 r/b	<b>STRAIGHT</b>
<b>GRIT</b>	Leamore Lane, Harden Road to Chestnut Road r/b	<b>STRAIGHT</b>
<b>TRAVEL</b>	Harden Road to Goscote Lane r/b	<b>TURN LEFT</b>
<b>GRIT</b>	Goscote Lane, Livingstone Road to A4124 Wolverhampton Road	<b>TURN RIGHT</b>

**(Continued...)**

**DEPOT : APEX ROAD  
ROUTE NUMBER : 04 (continued)**

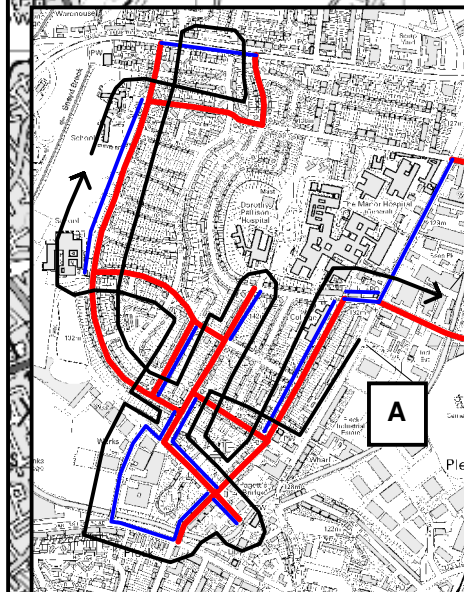
**TRAVEL** A4124 Wolverhampton Road to Foundry Lane

**TURN RIGHT**

**GRIT** Foundry Lane to Mouse Hill (on left)

**End of Route. Return to Depot.**





<b>SALT (KM):</b>	62.5	<b>DEAD (KM):</b>	24.1	<b>TOTAL (KM):</b>	86.6	<b>TIME (HRS):</b>	2:41	Underlying map base reproduced from Ordnance Survey digital map data. Ordnance Survey © Crown Copyright. All rights reserved. Licence number 100019529. Route design and artwork © Vaisala Ltd 2013.	Date: 02/09/13	Vaisala Limited Vaisala House 349 Bristol Road Birmingham B5 7SW UK <a href="http://www.vaisala.com">www.vaisala.com</a> <a href="mailto:trafficweatherconsulting@vaisala.com">trafficweatherconsulting@vaisala.com</a>
<b>EFF (%):</b>	72	<b>VEHICLE SIZE</b>	6Cu	<b>CLIMATIC DOMAIN</b>	N/A	<b>THERMAL CATEGORY</b>	N/A		Scale: 1:37000	



**DEPOT : APEX ROAD  
ROUTE NUMBER : 05**

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

<b>GRIT</b>	A452 Chester Road to A454 Aldridge Road r/b	<b>TURN RIGHT</b>
<b>GRIT</b>	A454 Aldridge Road to A454 Little Aston Road r/b	<b>U-TURN</b>
<b>GRIT</b>	A454 Chester Road to A454 Aldridge Road r/b	<b>U-TURN</b>
<b>TRAVEL</b>	A454 Aldridge Road to A454 Little Aston Road r/b	<b>TURN RIGHT</b>
<b>GRIT</b>	A454 Little Aston Road to B4152 r/b	<b>STRAIGHT</b>
<b>GRIT</b>	A454 Leighwood Road to Leighswood Road r/b,	<b>TURN LEFT</b>
<b>GRIT</b>	A454 Anchor Road Bypass to Westfield Drive r/b	<b>STRAIGHT</b>
<b>GRIT</b>	A454 Anchor Road Bypass, Walsall Road to B4154 Bosty Lane	<b>TURN RIGHT</b>
<b>TRAVEL</b>	B4154 Bosty Lane to Red House Lane	<b>STRAIGHT</b>
<b>GRIT</b>	B4154 Bosty Lane, Daw End Lane to Park Road	<b>TURN LEFT</b>
<b>GRIT</b>	Park Road to Floyds Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Floyds Lane, King George Crescent to B4154 Daw End Lane	<b>TURN LEFT</b>
<b>GRIT</b>	B4154 Daw End Lane to A461 Lichfield Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A461 Lichfield Road to Pelsall Road (slip road)	<b>TURN LEFT</b>
<b>TRAVEL</b>	Pelsall Road to Pelsall Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Pelsall Road to A461 Lichfield Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A461 Lichfield Road to B4154 Daw End Lane	<b>TURN LEFT</b>
<b>TRAVEL</b>	B4154 Daw End Lane to King George Crescent (on right )	<b>STRAIGHT</b>
<b>GRIT</b>	B4154 Daw End Lane to Park Road (on right)	<b>STRAIGHT</b>

**(Continued...)**

**DEPOT : APEX ROAD  
ROUTE NUMBER : 05 (continued)**

<b>TRAVEL</b>	B4154 Daw End Lane, Bosty Lane to Middlemore Lane West	<b>TURN LEFT</b>
<b>GRIT</b>	Middlemore Lane West to Dumblederry Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Dumblederry Lane, Paddock Lane to A454 Walsall Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A454 Walsall Road to B4154 Bosty Lane	<b>STRAIGHT</b>
<b>GRIT</b>	A454 Walsall Road to Airfield Drive r/b	<b>TURN RIGHT</b>
<b>GRIT</b>	A454 Aldridge Road, Mellish Road to A461 Lichfield Road r/b	<b>U-TURN</b>
<b>TRAVEL</b>	A454 Mellish Road to Rushall Manor Road	<b>TURN LEFT</b>
<b>GRIT</b>	Rushall Manor Road to Stencills Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Stencills Road to Mellish Drive	<b>TURN RIGHT</b>
<b>GRIT</b>	Mellish Drive to Stencills Drive (on right)	<b>STRAIGHT</b>
<b>TRAVEL</b>	Mellish Drive to A454 Mellish Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	A454 Mellish Road, Aldridge Road to start of dual c-way	<b>STRAIGHT</b>
<b>GRIT</b>	A454 Aldridge Road to end of dual c-way	<b>STRAIGHT</b>
<b>TRAVEL</b>	A454 Aldridge Road to A454 Walsall Road r/b	<b>U-TURN</b>
<b>TRAVEL</b>	A454 Aldridge Road to Fernleigh Road	<b>TURN LEFT</b>
<b>GRIT</b>	Fernleigh Road to Cameron Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Cameron Road, Buchanan Avenue to A461 Lichfield Road r/b	<b>TURN LEFT</b>
<b>TRAVEL</b>	A461 Lichfield Street to A4148 Littleton Street West	<b>STRAIGHT</b>
<b>GRIT</b>	Lower Rushall Street to Walhouse Road	<b>TURN LEFT</b>
<b>GRIT</b>	Walhouse Road to Persehouse Street	<b>TURN RIGHT</b>
<b>GRIT</b>	Persehouse Street to Holtshill Lane	<b>TURN LEFT</b>

**(Continued...)**

**DEPOT : APEX ROAD  
ROUTE NUMBER : 05 (continued)**

<b>GRIT</b>	Holtshill Lane to Charlotte Street	<b>TURN LEFT</b>
<b>GRIT</b>	Charlotte Street to Walhouse Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Walhouse Road to A4148 Broadway North	<b>TURN LEFT</b>
<b>TRAVEL</b>	A4148 Broadway North to Rowley Street	<b>TURN LEFT</b>
<b>GRIT</b>	Rowley Street to Walhouse Road	<b>TURN LEFT</b>
<b>GRIT</b>	Walhouse Road to Charlotte Street	<b>STRAIGHT</b>
<b>TRAVEL</b>	Walhouse Road to Calder Avenue	<b>TURN RIGHT</b>
<b>GRIT</b>	Calder Avenue to Lincoln Road	<b>TURN LEFT</b>
<b>GRIT</b>	Lincoln Road to A4148 Broadway North	<b>TURN LEFT</b>
<b>TRAVEL</b>	A4148 Broadway North to Beacon Street	<b>TURN LEFT</b>
<b>GRIT</b>	Beacon Street to Prince's Avenue	<b>TURN LEFT</b>
<b>GRIT</b>	Prince's Avenue to The Crescent	<b>STRAIGHT</b>
<b>TRAVEL</b>	Prince's Avenue to Sutton Road	<b>TURN LEFT</b>
<b>GRIT</b>	Sutton Road to A4148 Broadway North r/b (cover r/b)	<b>U-TURN</b>
<b>GRIT</b>	Sutton Road to The Crescent	<b>TURN RIGHT</b>
<b>GRIT</b>	The Crescent to A4148 Broadway North r/b	<b>STRAIGHT</b>
<b>TRAVEL</b>	Over r/b to The Crescent	<b>STRAIGHT</b>
<b>GRIT</b>	The Crescent to B4151 Sutton Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	B4151 Sutton Road over A4148 Broadway North r/b	<b>STRAIGHT</b>
<b>TRAVEL</b>	Sutton Road to The Crescent	<b>STRAIGHT</b>
<b>GRIT</b>	Sutton Road to Birmingham Road r/b	<b>STRAIGHT</b>
<b>(Continued...)</b>		



**DEPOT : APEX ROAD  
ROUTE NUMBER : 05 (continued)**

<b>GRIT</b>	Birmingham Road, Birmingham Street to New Street (on right)	<b>U-TURN</b>
<b>TRAVEL</b>	Birmingham Street, Birmingham Road to Sutton Road r/b	<b>TURN RIGHT</b>
<b>GRIT</b>	Birmingham Road to A4148 Broadway North double r/b	<b>STRAIGHT</b>
<b>TRAVEL</b>	A4148 Broadway North double r/b	<b>STRAIGHT</b>
<b>GRIT</b>	A34 Birmingham Road to boundary	<b>U-TURN</b>
<b>GRIT</b>	A34 Birmingham Road to Bell Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Bell Road to Park Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Park Road to Skip Lane	<b>TURN LEFT</b>
<b>GRIT</b>	Skip Lane to Park Hall Road	<b>TURN LEFT</b>
<b>GRIT</b>	Park Hall Road to Launceston Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Launceston Road to Falmouth Road	<b>TURN LEFT</b>
<b>GRIT</b>	Falmouth Road to Liskeard Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Liskeard Road to Redruth Road	<b>TURN LEFT</b>
<b>GRIT</b>	Redruth Road to Truro Road	<b>TURN LEFT</b>
<b>GRIT</b>	Truro Road to Liskeard Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Liskeard Road to Launceston Road	<b>TURN LEFT</b>
<b>GRIT</b>	Launceston Road to Falmouth Road (on right)	<b>STRAIGHT</b>
<b>TRAVEL</b>	Launceston Road to Park Hall Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Park Hall Road to Lonsdale Road	<b>TURN LEFT</b>
<b>GRIT</b>	Lonsdale Road to Bell Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Bell Road to A34 Birmingham Road	<b>TURN LEFT</b>

**(Continued...)**

**DEPOT : APEX ROAD  
ROUTE NUMBER : 05 (continued)**

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

**DEPOT : APEX ROAD  
ROUTE NUMBER : 05 (continued)**

<b>GRIT</b>	Barry Road, Springvale Avenue to Park Hall Road	<b>STRAIGHT</b>
<b>TRAVEL</b>	Springvale Avenue to A34 Birmingham Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	A34 Birmingham Road to Walstead Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Walstead Road to Delves Green Road	<b>TURN LEFT</b>
<b>GRIT</b>	Delves Green Road to Bell Lane	<b>TURN LEFT</b>
<b>GRIT</b>	Bell Lane to Walstead Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	Walstead Road to Delves Green Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	Delves Green Road to Bell Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Bell Lane to A4031 West Bromwich Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A4031 West Bromwich Road to Walstead Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Walstead Road to Delves Green Road	<b>TURN LEFT</b>
<b>GRIT</b>	Delves Green Road to A4148 Broadway	<b>TURN LEFT</b>
<b>TRAVEL</b>	A4148 Broadway to Delves Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Delves Road to Sandwell Street	<b>TURN RIGHT</b>
<b>GRIT</b>	Sandwell Street to West Bromwich Street	<b>TURN LEFT</b>
<b>GRIT</b>	West Bromwich Street to Weston Street	<b>TURN LEFT</b>
<b>GRIT</b>	Weston Street to A4148 Broadway	<b>TURN LEFT</b>
<b>TRAVEL</b>	A4148 Broadway to West Bromwich Road	<b>TURN LEFT</b>
<b>GRIT</b>	West Bromwich Road to Delves Road (on right)	<b>STRAIGHT</b>
<b>TRAVEL</b>	West Bromwich Road, Sandwell Street to West Bromwich Street	<b>TURN LEFT</b>
<b>TRAVEL</b>	West Bromwich Street to Weston Street	<b>TURN RIGHT</b>

**(Continued...)**



**DEPOT : APEX ROAD  
ROUTE NUMBER : 05 (continued)**

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

**(Continued...)**

**DEPOT : APEX ROAD  
ROUTE NUMBER : 05 (continued)**

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

**DEPOT : APEX ROAD  
ROUTE NUMBER : 05 (continued)**

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

**(Continued...)**



**DEPOT : APEX ROAD  
ROUTE NUMBER : 05 (continued)**

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

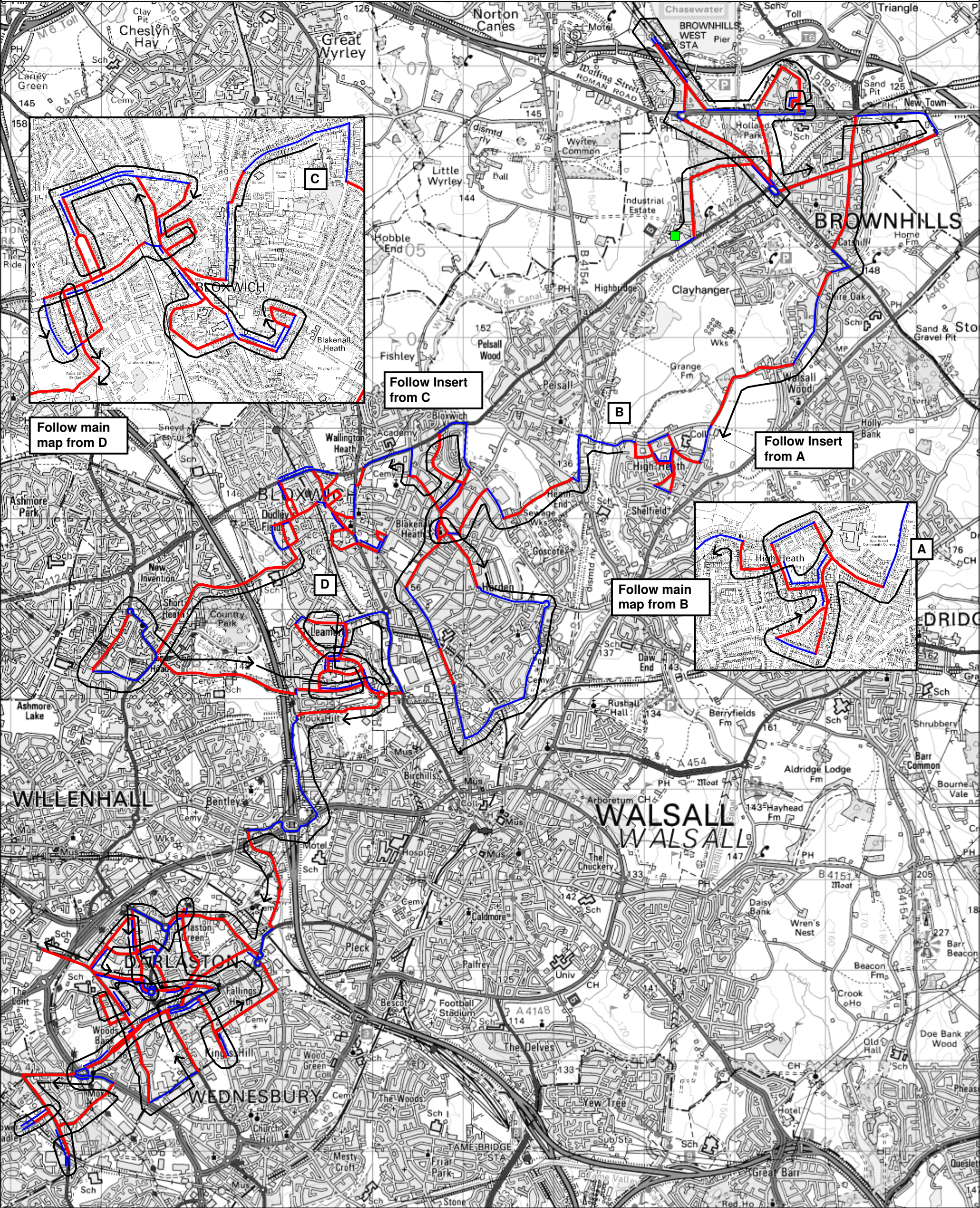
**DEPOT : APEX ROAD  
ROUTE NUMBER : 05 (continued)**

<b>TRAVEL</b>	Lichfield Street to Bridge Street	<b>STRAIGHT</b>
<b>TRAVEL</b>	Bridge Street to St Paul's Street	<b>TURN RIGHT</b>
<b>TRAVEL</b>	St Paul's Street to Hatherton Road	<b>TURN LEFT</b>
<b>GRIT</b>	St Paul's Street to Stafford Street r/b	<b>TURN RIGHT</b>
<b>GRIT</b>	Stafford Street to A4148 Littleton Street West	<b>STRAIGHT</b>
<b>GRIT</b>	B4210 Stafford Street to Proffitt Street	<b>TURN RIGHT</b>
<b>GRIT</b>	Proffitt Street, Coalpool Lane to Coalpool Lane	<b>TURN LEFT</b>
<b>GRIT</b>	Coalpool Lane to Coalpool Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Coalpool Lane to Harden Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Harden Road to Ross Road r/b	<b>TURN RIGHT</b>
<b>GRIT</b>	Ross Road to Coalpool Lane	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Coalpool Lane to Dartmouth Avenue	<b>TURN LEFT</b>
<b>GRIT</b>	Dartmouth Avenue to Forest Lane	<b>TURN LEFT</b>
<b>GRIT</b>	Forest Lane to B4210 Bloxwich Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	B4210 Bloxwich Road to Proffitt Street	<b>TURN LEFT</b>
<b>TRAVEL</b>	Proffitt Street to North Street	<b>TURN RIGHT</b>
<b>GRIT</b>	North Street to North Street	<b>TURN LEFT</b>
<b>GRIT</b>	North Street, Butts Road to Mill Lane	<b>TURN LEFT</b>
<b>GRIT</b>	Mill Lane to William Street	<b>TURN LEFT</b>
<b>TRAVEL</b>	William Street to Butts Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Butts Road to Hatherton Street	<b>TURN LEFT</b>
		<b>(Continued...)</b>

**DEPOT : APEX ROAD  
ROUTE NUMBER : 05 (continued)**

<b>GRIT</b>	Hatherton Street to A4148	<b>STRAIGHT</b>
<b>GRIT</b>	Hatherton Street to Hatherton Street	<b>KEEP LEFT</b>
<b>TRAVEL</b>	Hatherton Street to Lichfield Street	<b>TURN LEFT</b>
<b>GRIT</b>	Lichfield Street to A461 Lichfield Street r/b	<b>STRAIGHT</b>
<b>TRAVEL</b>	A461 Lichfield Street to Butts Road	<b>TURN LEFT</b>
<b>GRIT</b>	Butts Road to Mill Lane	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Mill Lane to William Street (on left)	<b>STRAIGHT</b>
<b>GRIT</b>	Mill Lane to Coal Pool Lane	
<b>End of Route. Return to Depot.</b>		





<b>SALT (KM):</b>	51.6	<b>DEAD (KM):</b>	33.6	<b>TOTAL (KM):</b>	85.2	<b>TIME (HRS):</b>	2:38	Underlying map base reproduced from Ordnance Survey digital map data. Ordnance Survey © Crown Copyright. All rights reserved. Licence number 100019529. Route design and artwork © Vaisala Ltd 2012.	Date: 02/09/13	Vaisala Limited Vaisala House 349 Bristol Road Birmingham B5 7SW UK <a href="http://www.vaisala.com">www.vaisala.com</a> <a href="mailto:trafficweatherconsulting@vaisala.com">trafficweatherconsulting@vaisala.com</a>
<b>EFF (%)</b> :	61	<b>VEHICLE SIZE</b>	6Cu	<b>CLIMATIC DOMAIN</b>	N/A	<b>THERMAL CATEGORY</b>	N/A		Scale: 1:45000	
									Drawn By: J. Wilson	



**DEPOT : APEX ROAD  
ROUTE NUMBER : 06**

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

<b>GRIT</b>	Coppice Side to Coppice Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Coppice Lane to A452	<b>TURN RIGHT</b>
<b>GRIT</b>	A452 Chester Road North to A4124/B4155 r/b (do not treat r/b)	<b>U-TURN</b>
<b>TRAVEL</b>	A452 Chester Road North to Coppice Lane (on left)	<b>STRAIGHT</b>
<b>GRIT</b>	A452 Chester Road North to A5 r/b (do not treat r/b)	<b>STRAIGHT</b>
<b>GRIT</b>	Wilkin Road to Hednesford Road	<b>TURN LEFT</b>
<b>GRIT</b>	Hednesford Road, Brownhills Road to r/b	<b>U-TURN</b>
<b>TRAVEL</b>	Brownhills Road, Hednesford Road to Wilkin Road (on right)	<b>STRAIGHT</b>
<b>GRIT</b>	Hednesford Road to A5	<b>TURN LEFT</b>
<b>TRAVEL</b>	A5 to White Horse Road	<b>TURN LEFT</b>
<b>GRIT</b>	White Horse Road to Howdle's Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Howdle's Lane to Knave's Castle Avenue	<b>TURN RIGHT</b>
<b>GRIT</b>	Knave's Castle Avenue to Knave's Castle Avenue	<b>TURN LEFT</b>
<b>GRIT</b>	Knave's Castle Avenue to End	<b>U-TURN</b>
<b>TRAVEL</b>	Knave's Castle Avenue to Knave's Castle Avenue	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Knave's Castle Avenue to Howdle's Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Howdle's Lane to A5	<b>TURN LEFT</b>
<b>TRAVEL</b>	A5 to Deakin Avenue	<b>U-TURN</b>
<b>TRAVEL</b>	A5 to the Parade	<b>TURN LEFT</b>
<b>GRIT</b>	The Parade to A452	<b>TURN LEFT</b>

**(Continued...)**

**DEPOT : APEX ROAD  
ROUTE NUMBER : 06 (continued)**

<b>TRAVEL</b>	A452 Chester Road North to A4124/B4155 r/b (do not treat r/b)	<b>TURN LEFT</b>
<b>GRIT</b>	B4155 Lichfield Road to B5011	<b>TURN LEFT</b>
<b>GRIT</b>	B5011 Chase Road to A5 Watling Street	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A5 Watling Street to B4155	<b>TURN RIGHT</b>
<b>TRAVEL</b>	B4155 Hanney Hay Road to B4155 Lichfield Road r/b	<b>TURN RIGHT</b>
<b>GRIT</b>	B4155 Lichfield Road to B5011	<b>TURN LEFT</b>
<b>GRIT</b>	B5011 Ogley Road to A452 High Street	<b>TURN LEFT</b>
<b>TRAVEL</b>	A452 High Street to B4152	<b>TURN RIGHT</b>
<b>TRAVEL</b>	B4152 Lindon Road to Commonsides (on left)	<b>STRAIGHT</b>
<b>GRIT</b>	B4152 Lindon Road to Clayhanger Road (on right)	<b>STRAIGHT</b>
<b>TRAVEL</b>	B4152 Lindon Road to B4153	<b>TURN RIGHT</b>
<b>TRAVEL</b>	B4153 Coppice Road to Camden Street	<b>TURN RIGHT</b>
<b>GRIT</b>	Camden Street, Green Lane to Mob Lane (on right)	<b>STRAIGHT</b>
<b>TRAVEL</b>	Green Lane to Broad Way	<b>TURN RIGHT</b>
<b>GRIT</b>	Broad Way to Broad Lane	<b>TURN LEFT</b>
<b>GRIT</b>	Broad Lane to Mill Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Mill Road to Birch Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Birch Lane to Broad Lane	<b>TURN LEFT</b>
<b>TRAVEL</b>	Broad Lane to Harrison Road	<b>TURN LEFT</b>
<b>GRIT</b>	Harrison Road to Spring Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Spring Lane to Coronation Road	<b>TURN RIGHT</b>

**(Continued...)**

**DEPOT : APEX ROAD**  
**ROUTE NUMBER : 06 (continued)**

<b>TRAVEL</b>	Coronation Road to Broad Way	<b>TURN RIGHT</b>
<b>GRIT</b>	Broad Way to Broad Lane	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Broad Lane to Harrison Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Harrison Road to Spring Lane	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Spring Lane to Church Way	<b>TURN LEFT</b>
<b>GRIT</b>	Church Way to Field Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Field Lane to Coronation Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	Coronation Road to Ford Brook Lane	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Ford Brook Lane, Vicarage Road to Walsall Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	Walsall Road to Allens Lane	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Allens Lane to Goscote Road	<b>TURN LEFT</b>
<b>GRIT</b>	Goscote Road, Slacky Lane to Goscote Lane	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Goscote Lane to Thames Road	<b>TURN LEFT</b>
<b>GRIT</b>	Thames Road to Barracks Lane	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Barracks Lane to Walker Road (Go straight over Walker Road onto Blakenhall Lane - <b>Right then Left</b> )	<b>STRAIGHT</b>
<b>GRIT</b>	Blakenhall Lane to Blakenhall Heath	<b>TURN RIGHT</b>
<b>GRIT</b>	Blakenhall Heath to Ingram Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Ingram Road, Walker Road to Harden Road r/b	<b>TURN LEFT</b>
<b>TRAVEL</b>	Harden Road to Goscote Lane r/b	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Ross Road, Coalpool Lane, Proffitt Street to B4210 Bloxwich Road	<b>TURN RIGHT</b>

(Continued...)



**DEPOT : APEX ROAD  
ROUTE NUMBER : 06 (continued)**

<b>TRAVEL</b>	B4210 Bloxwich Road to start of splitter at Forest Lane	<b>STRAIGHT</b>
<b>GRIT</b>	B4210 Bloxwich Road to end of splitter	<b>STRAIGHT</b>
<b>TRAVEL</b>	B4120 Bloxwich Road to Blakenhall Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Blakenhall Lane to Blakenhall Lane (on right)	<b>STRAIGHT</b>
<b>TRAVEL</b>	Blakenhall Heath to Ingram Road	<b>TURN LEFT</b>
<b>GRIT</b>	Ingram Road to Green Rock Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Green Rock Lane to Livingstone Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	Livingstone Road to A4124	<b>TURN LEFT</b>
<b>TRAVEL</b>	A4124 Lichfield Road to Abbots Street	<b>TURN LEFT</b>
<b>GRIT</b>	Abbots Street to Green Rock Lane	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Green Rock Lane to Ingram Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Ingram Road to Field Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Field Road to A4124	<b>TURN LEFT</b>
<b>TRAVEL</b>	A4124 Lichfield Road to Park Road	<b>TURN LEFT</b>
<b>GRIT</b>	Park Road to Park Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Park Road to A34 High Street	<b>TURN LEFT</b>
<b>TRAVEL</b>	A34 High Street to Elmore Row	<b>TURN RIGHT</b>
<b>GRIT</b>	Elmore Row to B4210	<b>TURN LEFT</b>
<b>GRIT</b>	B4210 Elmore Green Road to A34 High Street	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A34 High Street to B4210 High Street	<b>TURN LEFT</b>
<b>GRIT</b>	B4210 High Street to Pinfold	<b>TURN LEFT</b>

**(Continued...)**

**DEPOT : APEX ROAD  
ROUTE NUMBER : 06 (continued)**

<b>TRAVEL</b>	Pinfold, Field Road to Woodall Street	<b>TURN LEFT</b>
<b>GRIT</b>	Woodall Street to Church Street	<b>TURN RIGHT</b>
<b>GRIT</b>	Church Street to Field Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Field Road, Pinfold to B4210	<b>TURN RIGHT</b>
<b>TRAVEL</b>	B4210 High Street to A34	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A34 High Street to Reeves Street	<b>TURN LEFT</b>
<b>GRIT</b>	Reeves Street to Reeves Street	<b>TURN RIGHT</b>
<b>GRIT</b>	Reeves Street to Station Street	<b>TURN RIGHT</b>
<b>GRIT</b>	Station Street to B4210 Elmore Green Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	B4210 Elmore Green Road to Elmore Row (on right)	<b>STRAIGHT</b>
<b>GRIT</b>	Elmore Green Road, Sand Bank to A4124 Sneyd Lane	<b>TURN LEFT</b>
<b>TRAVEL</b>	A4124 Sneyd Lane to Sneyd Hall Road	<b>TURN LEFT</b>
<b>GRIT</b>	Sneyd Hall Road to Sneyd Hall Road	<b>TURN LEFT</b>
<b>GRIT</b>	Sneyd Hall Road to Central Drive	<b>TURN RIGHT</b>
<b>GRIT</b>	Central Drive to Sneyd Hall Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Sneyd Hall Road to Sneyd Hall Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	Sneyd Hall Road to A4124	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A4124 Sneyd Lane, Bell Lane to Sand Bank	<b>TURN RIGHT</b>
<b>GRIT</b>	Sand Bank to Wolverhampton Road	<b>TURN RIGHT / STRAIGHT</b>
<b>GRIT</b>	Sand Bank to B4210 Elmore Green Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	B4210 Elmore Green Road to Clarendon Street	<b>TURN LEFT</b>
<b>(Continued...)</b>		

**DEPOT : APEX ROAD  
ROUTE NUMBER : 06 (continued)**

<b>GRIT</b>	Clarendon Street to New Street	<b>TURN RIGHT</b>
<b>GRIT</b>	New Street to Marlborough Street	<b>TURN RIGHT</b>
<b>GRIT</b>	Marlborough Street to B4210 Elmore Green Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	B4210 Elmore Green Road to Croxdene Avenue	<b>TURN LEFT</b>
<b>TRAVEL</b>	Croxdene Avenue to Central Drive	<b>TURN LEFT / STRAIGHT</b>
<b>GRIT</b>	Central Drive to Sneyd Hall Road (1 <sup>st</sup> of 2)	<b>STRAIGHT</b>
<b>TRAVEL</b>	Central Drive to Sneyd Hall Road (2 <sup>nd</sup> of 2)	<b>STRAIGHT</b>
<b>GRIT</b>	Central Drive to Ashley Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	Ashley Road to Coalway Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	Coalway Road to Heather Road	<b>TURN LEFT</b>
<b>GRIT</b>	Heather Road to Central Drive	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Central Drive to Chase Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Chase Road to Coalway Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Coalway Road to Moorland Road	<b>TURN LEFT</b>
<b>GRIT</b>	Moorland Road to Willenhall Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Willenhall Lane to Leamore Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Willenhall Lane, Wood Lane, Bloxwich Road North to A462	<b>TURN LEFT</b>
<b>TRAVEL</b>	A462 High Road to Mill Lane	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Mill Lane to Lucknow Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Lucknow Road, Coppice Lane to A462	<b>TURN RIGHT</b>

**(Continued...)**



**DEPOT : APEX ROAD  
ROUTE NUMBER : 06 (continued)**

<b>TRAVEL</b>	A462 Wesley Road, Coltham Road, Straight Road, High Road to Bentley Lane	<b>TURN LEFT</b>
<b>GRIT</b>	Bentley Lane to Bloxwich Lane	<b>TURN LEFT</b>
<b>TRAVEL</b>	Bloxwich Lane to Cavendish Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Cavendish Road to Stephenson Avenue	<b>TURN RIGHT</b>
<b>GRIT</b>	Stephenson Avenue to r/b	<b>TURN LEFT</b>
<b>GRIT</b>	Stephenson Avenue to A34 Green Lane	<b>TURN LEFT</b>
<b>TRAVEL</b>	A34 Green Lane to Green Lane r/b	<b>TURN LEFT</b>
<b>TRAVEL</b>	Leamore Lane to Darwin Road	<b>TURN LEFT</b>
<b>GRIT</b>	Darwin Road to Stephenson Avenue	<b>TURN RIGHT</b>
<b>GRIT</b>	Stephenson Avenue to Bloxwich Lane	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Bloxwich Lane to Leamore Lane	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Leamore Lane to Fryer's Road (on left)	<b>STRAIGHT</b>
<b>GRIT</b>	Leamore Lane to Darwin Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Darwin Road to Stephenson Avenue	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Stephenson Avenue to Stephenson Square	<b>TURN LEFT</b>
<b>GRIT</b>	Stephenson Square to Edison Road	<b>TURN LEFT</b>
<b>GRIT</b>	Edison Road to Stephenson Avenue	<b>TURN RIGHT</b>
<b>GRIT</b>	Stephenson Avenue to Cavendish Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Cavendish Road to Edison Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Edison Road to Stephenson Square	<b>TURN LEFT</b>
<b>TRAVEL</b>	Stephenson Square to Stephenson Avenue	<b>TURN RIGHT</b>

**(Continued...)**

**DEPOT : APEX ROAD  
ROUTE NUMBER : 06 (continued)**

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

**(Continued...)**

**DEPOT : APEX ROAD  
ROUTE NUMBER : 06 (continued)**

<b>GRIT</b>	Bradley Lane to boundary	<b>STRAIGHT</b>
<b>TRAVEL</b>	Bradley Lane to Wallace Road	<b>U-TURN</b>
<b>TRAVEL</b>	Bradley Lane to A4098 Great Bridge Road	<b>TURN RIGHT</b>
<b>GRIT</b>	A4098 Great Bridge Road to boundary	<b>STRAIGHT</b>
<b>TRAVEL</b>	A4098 Great Bridge Road to Constantine Way	<b>U-TURN</b>
<b>TRAVEL</b>	A4098 Great Bridge Road to Bull Lane	<b>TURN RIGHT</b>
<b>GRIT</b>	Bull Lane to A41	<b>TURN LEFT</b>
<b>TRAVEL</b>	A41 to A41/A4444/A4038 r/b	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A4038 Moxley Road to start of dual c-way section	<b>STRAIGHT</b>
<b>GRIT</b>	A4038 Moxley Road to end of dual c-way section	<b>STRAIGHT</b>
<b>TRAVEL</b>	A4038 Pinfold Street to St Lawrence Way (on left)	<b>STRAIGHT</b>
<b>GRIT</b>	A4038 Walsall Road to A462 Darlestone Road	<b>STRAIGHT</b>
<b>TRAVEL</b>	A4038 Walsall Road to Old Park Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Old Park Road to boundary	<b>U-TURN</b>
<b>TRAVEL</b>	Old Park Road to Franchise Street	<b>TURN RIGHT</b>
<b>GRIT</b>	Franchise Street to B4200	<b>TURN LEFT</b>
<b>GRIT</b>	B4200 Park Lane to A4038 r/b	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A4038 Walsall Road to Heath Road/Walsall Road r/b	<b>TURN LEFT</b>
<b>TRAVEL</b>	Heath Road to Station Street	<b>TURN LEFT</b>
<b>GRIT</b>	Station Street to Bull Street	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Bull Street to Victoria Road	<b>TURN RIGHT</b>
		<b>(Continued...)</b>

**DEPOT : APEX ROAD  
ROUTE NUMBER : 06 (continued)**

<b>GRIT</b>	Victoria Road to Richards Street/The Flatts r/b	<b>TURN LEFT</b>
<b>GRIT</b>	Richards Street, Bentley Road South to Willenhall Road (on left)	<b>U-TURN</b>
<b>TRAVEL</b>	Bentley Road South to The Green	<b>TURN RIGHT</b>
<b>TRAVEL</b>	The Green to The Green r/b	<b>TURN LEFT</b>
<b>TRAVEL</b>	A462 The Green to Addenbrooke Street	<b>TURN RIGHT</b>
<b>GRIT</b>	Addenbrooke Street, Rough Hay Road to Hall Street	<b>TURN LEFT</b>
<b>GRIT</b>	Hall Street to Wolverhampton Street	<b>TURN LEFT</b>
<b>GRIT</b>	Wolverhampton Street to Stafford Road	<b>TURN LEFT</b>
<b>GRIT</b>	Stafford Road to Willenhall Street	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Willenhall Street to A462 St Laurence Way r/b	<b>U-TURN</b>
<b>TRAVEL</b>	Willenhall Street to Stafford Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	Stafford Road to Wolverhampton Street	<b>TURN LEFT</b>
<b>GRIT</b>	Wolverhampton Street to Park Street	<b>TURN RIGHT</b>
<b>GRIT</b>	Park Street to Willey Avenue	<b>TURN RIGHT</b>
<b>GRIT</b>	Willey Avenue to Heathfield Lane	<b>STRAIGHT</b>
<b>GRIT</b>	Park Road to Forge Road	<b>TURN RIGHT</b>
<b>GRIT</b>	Forge Road to Wolverhampton Street	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Wolverhampton Street to Park Street (on right)	<b>STRAIGHT</b>
<b>GRIT</b>	Wolverhampton Street to A4038	<b>TURN RIGHT</b>
<b>GRIT</b>	A4038 Moxley Road to Dangerfield Lane	<b>TURN LEFT</b>
<b>GRIT</b>	Dangerfield Lane to Woden Road West	<b>TURN LEFT</b>

**(Continued...)**



**DEPOT : APEX ROAD  
ROUTE NUMBER : 06 (continued)**

<b>TRAVEL</b>	Woden Road West to A462 Darlaston Road	<b>TURN LEFT</b>
<b>GRIT</b>	A462 Darlaston Road to A4038 Walsall Road	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A4038 Walsall Road to Ave Road	<b>TURN LEFT</b>
<b>GRIT</b>	Ave Road to Bull Street	<b>TURN LEFT</b>
<b>TRAVEL</b>	Bull Street to Victoria Road	<b>TURN LEFT</b>
<b>TRAVEL</b>	Victoria Road to New Street (on left)	<b>STRAIGHT</b>
<b>GRIT</b>	Church Street to A462	<b>TURN RIGHT</b>
<b>TRAVEL</b>	A462 Blockall Close to Addenbrooke Street	<b>TURN LEFT</b>
<b>TRAVEL</b>	Addenbrooke Street, Rough Hay Way to Willenhall Street	<b>TURN RIGHT</b>
<b>TRAVEL</b>	Willenhall Street to Hall Street East	<b>TURN LEFT</b>
<b>GRIT</b>	Hall Street East to Rough Hay Road	<b>STRAIGHT</b>
<b>TRAVEL</b>	Hall Street to Wolverhampton Street	<b>TURN RIGHT</b>
<b>GRIT</b>	Wolverhampton Street to Wrenbury Drive (on left)	

**End of Route. Return to Depot.**



# **Town and District centres** **Footway Treatment Routes**

**Walsall Town Centre – Hand Gritting**

Footway gritting route No. 1

Road	Instruction / Direction
<b><u>START GRITTING</u></b> 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
<b><u>STOP GRITTING</u></b> HATHERTON STREET <b><u>START GRITTING</u></b> 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
<b><u>STOP GRITTING</u></b> LICHFIELD ST JUNCTION HATHERTON ROAD <b><u>START GRITTING</u></b> 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
<b><u>STOP GRITTING</u></b> LICHFIELD ST JUNCTION BRIDGE ST <b><u>START GRITTING</u></b> 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
<b><u>STOP GRITTING</u></b> BRADFORD ST JUNCTION BRADFORD PLACE <b><u>START GRITTING</u></b> BRADFORD PLACE BRADFORD ST THE BRIDGE BRIDGE ST <b><u>STOP GRITTING</u></b>	PROCEED TO  PROCEED TO PROCEED TO

## Walsall Town Centre – Hand Gritting

Footway gritting route No. 2

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



<b><u>START GRITTING</u></b> 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 <b><u>STOP GRITTING</u></b> DUDLEY ST JUNCTION GEORGE ST <b><u>START GRITTING</u></b> GEORGE ST TO HIGH ST HIGH ST TO GOODALL ST GOODALL ST TO BRIDGE ST <b><u>STOP GRITTING</u></b> GOODALL ST JUNCTION FREER ST <b><u>START GRITTING</u></b> FREER ST TO UPPER BRIDGE ST UPPER BRIDGE ST TO LOWER RUSHALL ST <b><u>STOP GRITTING</u></b>	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

Road	Instruction / Direction
<b><u>START GRITTING</u></b>	
NEW STREET JUNCTION OF CHURCH STREET	PROCEED TO
JUNCTION OF ST LAWRENCE WAY	TURN LEFT
ST LAWRENCE WAY TO JUNCTION PINFOLD STREET	TURN RIGHT
PINFOLD STREET TO END OF SHOPS	TURN AROUND
PINFOLD STREET TO KING STREET PRECINCT	TURN LEFT
KING STREET PRECINCT TO THE FOLD	TURN LEFT
THE FOLD	TURN LEFT
KING STREET PRECINCT TO NEW STREET	TURN RIGHT
VICTORIA ROAD TO SLATER STREET	TURN AROUND
RETURN TO JUNCTION OF CRESCENT ROAD AND VICTORIA ROAD	TURN LEFT
CRESCENT ROAD TO PICTUREDROME WAY	TURN RIGHT
PICTUREDROME WAY TO INCLUDE ALLEY WAY	
FROM PICTUREDROME WAY TO KING STREET PRECINCT	TURN RIGHT
CRESCENT ROAD TO WALSALL ROAD	TURN LEFT
WALSALL ROAD TO END OF SHOPS	
<b><u>STOP GRITTING</u></b>	

## Willenhall Town Centre – Hand Gritting

Footway gritting route No. 4

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



## **Bloxwich Town Centre – Hand Gritting**

Footway gritting route No. 5

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

## **Brownhills Town Centre – Hand Gritting**

Footway gritting route No. 6

Road	Instruction / Direction
<b><u>START GRITTING</u></b>	
SILVER STREET JUNCTION HIGH ST	PROCEED ALONG
SILVER STREET TO HIGH STREET	TURN LEFT
HIGH ST TO MARKET PLACE	TURN LEFT
MARKET PLACE	TURN LEFT
HIGH STREET TO RAVENSCROFT (TO INCLUDE ALL PASSAGEWAYS)	TURN INTO
RAVENSCROFT AND GRIT	
RAVENSCROFT INCLUDING STEPS TO CAR PARK	RETUN TO
HIGH STREET	TURN LEFT
HIGH STREET TO ISLAND	TURN AROUND
HIGH STREET TO CHURCH ROAD	TURN LEFT
CHURCH ROAD TO SHORT STREET	TURN LEFT
SHORT STREET TO GREAT CHARLES STREET	TURN AROUND
SHORT STREET TO BRICKLIN STREET	TURN RIGHT
BRICKLIN STREET TO HIGH STREET	
<b><u>STOP GRITTING</u></b>	

### **Aldridge Town Centre – Hand Gritting**

Footway gritting route No. 7

Road	Instruction / Direction
<b><u>START GRITTING</u></b> 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 <b><u>STOP GRITTING</u></b>  LEIGHSWOOD ROAD  <b><u>START GRITTING</u></b> LEIGHSWOOD ROAD INFRONT OF SHOPS  JUNCTION OF ANCHOR ROAD BYPASS AND ANCHOR ROAD ANCHOR ROAD TO PORTLAND ROAD PORTLAND ROAD TO ROOKERY LANE <b><u>STOP GRITTING</u></b>	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

### **Pelsall High Street – Hand Gritting**

Footway gritting route No. 8

Road	Instruction / Direction
<b><u>START GRITTING</u></b>  HIGH STREET JUNC CHAPEL STREET TO JUNCTION HIGHFIELD ROAD TO JUNCTION OLD TOWN LANE <b><u>STOP GRITTING</u></b>	PROCEED ALONG TURN LEFT



## **Salt Bins**

Salt bins are provided for use on the public highway in locations not treated as part of the precautionary salting route treatment.

Salt bins are located in areas where residents can gain access to salt stocks for the treatment of their road and pavement. Salt bin stocks are not for use on private property.

Requests for salt bins will be assessed against the criteria detailed within this plan. Only those locations meeting the criteria will be considered for the placement of a salt bin.

Salt bins will be regularly monitored for stock levels and will be replenished as soon as practicable. However, priority will always be given to the precautionary treatment of the defined winter treatment network should there be a need to conserve resources. During any national salt shortage a mixture of salt/grit will be used for replenishment of salt bins due to the need to conserve salt for the strategic route network

For environmental reasons, salt stocks will only be deposited at the roadside in approved salt bins.

### **LOCATION OF SALT BINS**

Subject to in year variations

1	Barr Common Road - Junc Longwood Rd, Aldridge - opp no 42
2	Barr Common Close - on grass verge, Aldridge
3	Erdington Road, Streetly - side no 119 in Hayfield Grove
4	Lawson Close, Aldridge - o/s no 21
5	Charlesdale Drive, Aldridge - o/s no 1
6	Ridgeway, Aldridge - o/s no 22
7	Vale View, Aldridge
8	Beaufort Way, Aldridge
9	Whetsone Lane, Aldridge - o/s no 233
10	Churnhill Road, Aldridge o/s shops
11	Walsall Road Junc Station Road, Aldridge
12	Berryfields Junc Linley Wood Road, Aldridge
13	Greenwood Road/Hillside, Aldridge - Junc of Hill View
14	Willenhall Lane, Bloxwich
15	Beatrice Street, Bloxwich - Junc Green Lane
16	Broad Lane, Bloxwich (on embankment opp 112 Tintern crescent)
17	Ambergate Close, Bloxwich - outside no 6
18	Selmans Hill, Bloxwich - opp no 54
19	Stoney Lane, Bloxwich - opp no 73
20	Stoney Lane, Bloxwich - opp no 143
21	Stoney Lane, Bloxwich - Junc Millfield Avenue
22	Byeways, Bloxwich - (side of 93 Stoney Lane)

23	Livingston Road, Bloxwich - Junc Green Rock Lane
24	Harden Road, Goscote (on Coalpool bridge opp 258 Harden Road)
25	Mill Place, Harden (o/s 1 Mill Place, Junc Coalpool Lane)
26	Raymond Close, North Walsall - opp no 8
27	Sneyd Lane - Junc Crab Lane, Willenhall
28	Latimer Street, Willenhall - side of no 13
29	The Crescent, Willenhall (end of Fletchers Lane)
30	The Crescent, Willenhall - Right side of Robin Hood Garage
31	Straight Road, Willenhall (s/o 48 Straight Road)
32	Bilston Street, Willenhall - on bridge before Rosehill Gardens s/o LP14)
33	Monmore Lane, Willenhall - on bridge before the garage
34	Albion Road, Willenhall - side of no 48
35	Sandbeds Road , Willenhall - o/s Cenataph junc High Road
36	Somerford Place, Willenhall - before the bridge on right
37	Pinson Road, Willenhall - R.H. side of Middleton paper entrance)
38	Coppice Lane, Willenhall - opp Amery Club
39	Coltham Road, Willenhall - Junc Wood Lane (Opp Bains Off Licence)
40	Gough Street, Willenhall - Junc o/s 74 Stringes Lane
41	Bridgnorth Grove, Willenhall - opp no 2
42	Stirling Crescent, Willenhall - opp no 23 junc of The Hayes
43	Stirling Crescent, Willenhall - Junc side of 25 The Hayes
44	Banks Street, Willenhall - Junc Ames Street (End Of Belinda Close)
45	Leamore Lane, Bloxwich - Junc Reaymear Close
46	Cedar Avenue, Brownhills
47	Chase Road, Brownhills
48	Short Street, Brownhills - o/s St James House
49	Castle Street, Brownhills - Junc Castle Close
50	Tamworth Close, Brownhills - o/s The Flats
51	Marklew Close, Brownhills
52	St Johns Road, Brownhills - o/s no 18
53	Knaves Castle Avenue, Brownhills
54	Lichfield Road, Sandhills, Brownhills - opp no 2
55	Lichfield Road, Sandhills, Brownhills - opp no 52
56	Lichfield Road, Sandhills, Brownhills - opp no 84
57	Lichfield Road- s/o 162, Brownhills - Junc Shire Ridge
58	Valley View, Brownhills - Junc Catshill Road - opp Millfield Primary
59	Simmonds Place, Brownhills - Junc Hillside
60	Hillside, Brownhills junc Friezland Lane - LP 19
61	New Road, Brownhills - Junc Church road opp 38
62	Bridge Street, Clayhanger Junc High Street
63	Maybrook Road, Walsall Wood - o/s Unit 21 (opp Heath Yards)
64	Maybrook Road, Walsall Wood Junc Coppice Road
65	Maybrook Road, Walsall Wood -o/s Frieght Terminal (Frans Mass yard)
66	Boatmans Lane, Walsall Wood - Lathams Bridge near Binary House
67	High Street, Walsall Wood - o/s St Johns Medical Centre
68	Licfield Road, Walsall Wood - Junc Coppice Road by bus shelter
69	Camden Street Nxt to 38, Walsall Wood - junc black cock bridge
70	Blakemore Road, Walsall Wood - Junc Druids Walk
71	Castlefort Road, Walsall Wood - Junc Fort Crescent
72	Hollands Way, Walsall Wood
73	Leyland Croft on RBT
74	New Street, Shelfield

75	Fordbrook Lane, High Heath - opp no 73
76	Hawthorne Road, Shelfield - Junc Lichfield Road
77	Clockmill Road, Pelsall - Junc Clcokmill Avenue
78	Walsall Road , Rushall - Pelsall Lane - opp no 2
79	New Street, Rushall - Junc Rowley Place (Rushall Mews)
80	Aldridge Road, Walsall - opp Airport Entrance
81	West Bromwich Road, Walsall - next to lamp column 16 (opp 250)
82	Caldmore Road, Walsall - Nest to lamp column 8 - opp no 54
83	Glebe Street, Walsall - o/s Social Security Building
84	Bridgeman Street, Walsall - opp Station Street
85	Vicarage Walk, Caldmore, Walsall - near to no 13
86	Charlemont Road, Walsall - Junc Camberra Road
87	Skip Lane, Walsall - Junc Brackenwood Road
88	Reaburn Road, Pheasey - o/s Pheasy Park Primary school
89	Wimpress Way, Pheasey - Junc Beacon Road
90	Beechy Close,Pheasey - o/s no 1
91	Linton Road, Pheasey - o/s no 12
92	Kinross Crescent, Pheasey - Junc Berwick Close
93	Aviemore Crescent, Pheasey o/s no33
94	Garnet Avenue, Pheasey - o/s no 1
95	Stonehurst Road -o/s no 86, Pheasey - opp Selvey Road
96	Pinley Grove, Pheasey - o/s no 2
97	Comsey Road, Pheasey - o/s no 34
98	Crail Grove, Pheasey
99	Dunbar Grove, Pheasey - o/s no 1
100	Nevison Road, Pheasey - Junc of Waverley Road
101	Beacon Rd, Pheasey - on verge in service Rd Junc Hillingford Rd
102	Queslett Road, Pheasey - opp no 226
103	Queslett Road, Pheasey - opp Allingham Grove - on verge
104	Farrier Road, Pheasey - o/s no 28 Junc Crome Road
105	Horsley Road, Pheasey - o/s no 1
106	Tyndale Crescent, Pheasey - opp no 74
107	Beacon Road, Pheasey - opp Bridle Lane - in bus layby
108	Pomeroy Road, Pheasey - o/s no 59
109	Ivanhoe Road, Pheasey - o/s no 49
110	Hillingford Avenue, Pheasey -Junc Horsley Road o/s no 32
111	Carlton Avenue, Pheasey - Junc Carlton Croft
112	Leighton Close, Pheasey - o/s no 16
113	Inglewood Grove- Junc Wood Lane, Streetly
114	Foley Road West, Streetly - o/s Foley Arms Pub
115	Foley Road West, Streetly - opp Hazelwood Road
116	Bankside Crescent, streetly Junc Hundred Acre Road
117	Nighwood Drive - Junc Laneside Avenue, Streetly
118	Hazelwood Road, Streetly - Junc Limetree Road
119	Hazelwood Road, Streetly - Junc Cedar Road
120	Planetree Road, Streetly - Junc Yewtree Road opp 22
121	Lime Tree Road, Streetly - Junc Beechcroft Crescent o/s no 3
122	Lime Tree Road, Streetly - Junc Beechcroft Crescent o/s no 68
123	Pinetree Drive, Streetly Junc Whitethorn Crescent o/s no 28
124	Elmtree Road, Streetly - Junc Cherrywood Road o/s no 3 Elmtree
125	Boundary Road, Streetly s/o no 2 - Junc Goodwood Drive
126	Chester Road, Streetly o/s no 100



127	Adridge Road, Streetly
128	Longwood Road / Beacon Hill Junc Traffic Lights
129	Beacon Hill, Streetly - opp Chevrons on verge
130	Sutton Road, Streetly - at the Beacon Traffic Lights
131	Pinfold Lane, Streetly - opp Crook Lane on verge
132	Yewtree Road, Streetly - Junc Elmtree Road opp 74
133	Elmstead Close - opp no 1 - Junc Downham close, Walsall
134	Sutton Road, Walsall - o/s no 497
135	Broadway North, Walsall - opp no 36
136	Newquay Road, Park Hall, Walsall - opp Newquay Close
137	St Ives Road, Park Hall, Walsall - Junc Newquay Road s/o no 9
138	Burnside Gardens, Park Hall, Walsall Junc Lodge Rd o/s no 30
139	Woodside Road / Calthorpe RBT, Park Hall, Walsall
140	Redruth Road, Park Hall, Walsall - opp no 43
141	Wolverhampton Street, Darlaston - op Staffordshire Knott Pub
142	Victoria Road, Darlaston - op Victoria House
143	Phoenix Rise, Darlaston - side of no 3
144	Rollingmill Street, Walsall -right side of Cemetary entrance
145	Bescot Crescent - opp no 1, Walsall - Junc Wednesbury Road
146	Intown Row - opp 5TH Battalion - club (on carpark f/w), Walsall
147	High Street, Walsall - Junc Goodall Street
148	Warewell Street, Walsall - Junc Balls Hill
149	Lysway Street, Walsall - Junc Hanch Place
150	Upper Rushall Street, Walsall - o/s car park - Lyndon House
151	New Street, nxt to LP 1, Walsall
152	Union Street, Walsall - opp Millsum House Flats
153	The Pines, Walsall - Junc Emery Close
154	Birmingham Rd , Walsall - opp Merrions Close (on f/w)
155	Birmingham Road, Walsall - opp Skip Lane (on f/w)
156	Bentley Place - s/o 10 Bentley Drive
157	Bentley Drive o/s 68 - Junc Edward street - Bentley New Lane
158	Sherlock Close - Junc Lowbridge Close o/s Neighbourhood office, Willenhall
159	Leighton Road - s/o 44 Great Bridge Road, Moxley
160	Belvedere Road, Walsall - opp no 2
161	Heath Acre
162	Darlington Street - opp no 6, Junc New Cross Street
163	Highgate Road - Junc Sandwell Ave
164	Roberts Road, Coalpool o/s no 9
165	Whitmere Street, Junc New Mills Street
166	Hollyoak Road, Sutton Coldfield - opp no 7
167	Foxwood Avenue, Birmingham - o/s 4
168	Lawson Close, Aldridge, Walsall - opp no 5
169	Westville Road, Walsall - o/s no 4
170	Chepstow Road, Bloxwich
171	Cotswold Grove, Willenhall
172	Quantock Close, Brownhills
173	Lowlands Avenue, Streetly - Junc with Lilac Ave -s/o 72 Lowlands, Blackwood Ave - o/s 5 Lowlands Ave, Aldridge Road
174	Selvey Avenue, Streetly

175	Old Lindons Close Streetly
176	Pinfold Court Darlaston
177	Helston Rd junction Cambourne Road
178	Lincoln Rd junction Princess Avenue
179	Hatherton Road Multi Storey Car Park x 2
180	Hatherton St Car Park near WHG Building
181	Marwood Croft junction Carlton Avenue Streetly
182	Hilton Road Allens Centre
183	Wayside Gdns junction Furzebank Way
184	191a Broadway Safer working partnership
185	Hillcrest Gdns junction Longwood Rise Willenhall
186	Countess Street
187	Daw End Lane junction Lime Grove
188	Laurel Drive junction Mullberry Walk
189	Laurel Drive junction Maxholm Road
190	Lichfield Street side of Library
191	Featherstone Road junction Hardwick Road
192	St Austell Road junction penryn Road
193	Wallows Lane opp 148
194	Beechcroft Crescenty opp no3
195	Beechcroft Crescent adj to no 49
196	Streetly Crem
197	Bloxwich Cemetry
198	Willenhall Lawn Cemetry
199	Ryecroft Cemetry
200	Field Road junction Victoria Ave
201	Longwood Rise junction Hillcrest Gdns
202	Highgate Road junction Avion Road
203	Dolphin Close
204	Foley Road East
205	Netherall Park Estate
206	Co-op New Invention
207	Co-op Pelsall
208	Barcroft
209	Paddock Lane
210	Little London
211	Blithfield Road
212	Wood Lane junction Forge Lane
213	Blue Cedar Drive
214	Field Maple Drive
215	Earl St
216	Penryn Rd
217	Thistledown Close
218	Pommel Close
219	Norfolk New road
220	<b>LIBRARIES</b>
221	Willenhall
222	Pleck
223	Bloxwich
224	Beechdale
225	Darlaston
226	Walsall wood
227	Streetly
228	South Walsall
229	Rushall
230	Pheasey
231	New Invention

232	<b>Schools</b>
233	St Giles
234	Woodlands
235	Pelsall Village

DRAFT

## **SALT BIN REQUEST ASSESSMENT FORM**

(For use with new requests only existing salt bin locations to remain)

Road Name \_\_\_\_\_

Name of Assessor \_\_\_\_\_

Location \_\_\_\_\_

Requested By \_\_\_\_\_

Ward \_\_\_\_\_

Date of Assessment \_\_\_\_\_

### **1. Gradient of Carriageway**

Greater than 1 in 10	100	
1 in 10 to 1 in 15	50	
1 in 16 to 1 in 30	30	
Less than 1 in 30	Nil	

### **2. Carriageway Horizontal Alignment**

Bend < 100m Radius	60	
Bend < 250m Radius	20	
Bend > 250m Radius	Nil	

### **3. Close Proximity (25m) and Falling Towards**

A road	90	
B road	75	
Classified unnumbered road	50	
Unclassified road	30	

### **4. Number of Premises for Which Only Access (cul-de-sac)**

Over 50	30	
20 to 50	20	
0 to 20	Nil	

**TOTAL SCORE** \_\_\_\_\_ (min 200 required)

**SALT BIN APPROVED - YES / NO**



## Communications

The provision of timely and accurate information about current and predicted road network conditions is vital in assisting the travelling public with their journey planning decisions.

The Council will provide regular updates through a range of social media, its corporate web site and through variable message signs located at strategic points on the road network.

Motorists are advised to be prepared for the worst, and always consider if the journey is essential prior to departure. When the journey is essential, motorists are advised to check the weather conditions first and if possible plan their journey around the parts of the road network subject to treatment.

Information on current adverse weather conditions and the Council winter service response to those conditions can be found on the following link:

[http://cms.walsall.gov.uk/index/transport\\_and\\_streets/highway\\_maintenance/winter\\_service.htm](http://cms.walsall.gov.uk/index/transport_and_streets/highway_maintenance/winter_service.htm)

### Public Self Help

Guidance has been published by the Department for Transport on how the public can assist their communities in clearing snow and ice without fear of litigation. This useful information can be found on the following link:

[http://webarchive.nationalarchives.gov.uk/20121015000000/http://www.direct.gov.uk/en/NI1/Newsroom/DG\\_191868](http://webarchive.nationalarchives.gov.uk/20121015000000/http://www.direct.gov.uk/en/NI1/Newsroom/DG_191868)

# **Decision Making Procedure**

Decision makers will determine and coordinate the Council response to winter weather conditions. The decision maker will review the weather forecast information, data available from weather stations located within the borough and the recommended treatment response contained within the code of practice.

All decision making is accurately recorded to aid learning and development for decision makers whilst providing an audit trail of the council's winter service response.

## SAMPLE 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)
Wet		2 See Note (A)	2 See Note (A)	2 See Note (B)	3 See Note (C)	1 See Note (D)
Wet Patches		6 See Note (A)	6 See Note (A)	1 See Note (B)	3 See Note (C)	1 or 5 See Note (D)
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)
<b>ACTION</b> <div> <ol style="list-style-type: none"> <li>1. Salt before frost</li> <li>2. Salt wet patches before frost</li> <li>3. Salt after rain stops</li> <li>4. Supervisor inspect</li> <li>5. Supervisor inspect with crews standing by in depot for instructions</li> <li>6. No Action</li> </ol> </div> <div>For Notes see paragraph 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 e.g., 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.

## Sample 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:



## Sample 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 <sup>2</sup>	Start Time
Mount Bodies	Yes/No			
PreSalt All				
Pre Salt P1				
Pre Salt P2				
Fit Ploughs				
Continuous Gritting				

Comments:

# **Decision Makers**

<b>Walsall Council Decision Makers</b>	<b>Division</b>	<b>Telephone Number</b>
Dave Edwards	Traffic Management	01922 654647
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# **Development Plan**

The long term implications of the revised code of practice are significant. However, due to this significance the code recognises that it may take up to 10 years to fully implement all of the requirements. Priority actions for review over the next 3 years will be:

- Upgrading of the gritter fleet to ensure spreader equipment that can finely distribute de icing treatments with the coverage and precise concentration required by the new code. (Implementation Winter season 2016/17)
- Analysis of the cost and benefits of investment in alternative forms of de icing treatment. (Development and review of business case 2015/16)
- Consideration of snow champion programme. (Development and review of business case 2015/16)
- Review of shared service provision options.(Ongoing)