



Sandwell
Metropolitan Borough Council



Winter Service Plan

2020 - 2021

Highways Services

[ILO: UNCLASSIFIED]

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INTRODUCTION

Winter Service is the term given to the key network management activity of maintaining safety, availability and reliability of the road network during periods of low temperatures, ice and snow.

In England, weather is notably unpredictable, and the occurrence of wintry conditions varies considerably through the season and from year to year. Generally severe conditions might reasonably be expected in December, January and February; are less likely in November and March and are possible but unlikely in October and April.

Operational winter service periods need to be defined, to strike a balance between economy and an effective service. To plan resources regularly on the assumption of a long hard winter would be wasteful, but to do so on the assumption of a short, mild winter could lead to a deficient service at times.

Planning should be undertaken between these extremes, but with enough back-up at reasonable notice to react to unforeseen circumstances.

Put simply, resources should be directed:

- in the right way
- in the right place
- at the right time
- be affordable

Winter Service comprises the treatment of the highway to:

- i) Prevent ice from forming (precautionary salting)
- ii) Melt ice that has already formed (post salting)
- iii) Remove snow

Winter Service forms an integral part of the highway maintenance function and nationally highway authorities spend over £100 million per year on salting and snow clearing operations. Most of this money is spent on salting, either pre-salting to prevent the build-up of ice, or post salting to disperse ice that has already formed.

Although there are times during a winter when exceptional conditions may persist, such as heavy or drifting snow, most winter service operations can be planned in a systematic manner. The extent of this planning will be dependent upon the nature of each authority and the severity of an average winter.

This Winter Service Plan sets out the policy, service standards and operational arrangements for an efficient, effective and proportionate response to winter conditions on Sandwell MBC's highway network during periods of low temperatures, ice and snow.

The standards set out in this Plan for the Winter Service reflect the advice and recommendations contained in the Code of Practice for Highway Maintenance – “Well-

maintained Highway Infrastructure” published in October 2016 (which superseded the well-maintained highways code).

POLICIES AND RESPONSIBILITIES

The objective is to provide a winter service which, so far as is reasonably practicable, will permit the safe movement of traffic along a priority network, whilst minimising delays and accidents during periods of low temperatures, ice and snow.

Good practice is also important to minimise both the environmental impact of salt and affordability implications.

Highway authorities are under a statutory duty - by virtue of the Highways Act 1980, to maintain the highways.

Section 41: "The authority who are for the time being the highway authority for a highway maintained at the public expense are under a duty, to maintain the highway."

Section 41 (1A) "In particular, a highway authority are under a duty to ensure, so far as is reasonably practicable, that safe passage along a highway is not endangered by snow or ice."

Section 130: "It is the duty of the highway authority to assert and protect the rights of the public to the use and enjoyment of any highway for which they are the highway authority....."

Section 150: "If an obstruction arises in a highway from accumulations of snow the highway authority shall remove the obstruction....."

Recent legal judgement has concluded that there is no duty upon authorities to remove ice from highways under the general responsibility to "maintain the highway" in Section 41. It is important to note that this judgement does not remove liability in all circumstances.

However, it is important to recognise that in the context of a highway authority's statutory maintenance duty that: -

- i) The highway authority is not obliged to take preventative measures in anticipation of snow and ice.
- ii) The duty to clear ice and snow from maintainable highways is not absolute and the authority will be under no liability unless the breach of duty to maintain is blameworthy. In other words, so long as the decision as to whether or not to act has been taken on reasonable grounds, with due care and with regard to relevant considerations, the authority will not be liable.
- iii) It has been said judicially that when there is a transient danger due to the elements, be it snow or ice or heavy rain, the existence of danger for a short time is no evidence of a failure to maintain the highway.

The statutory duties outlined above are delegated to the Director of Regeneration & Growth.

Delivery of the Winter Service Plan is carried out by Highways Services.

The Highway Assets & Statutory Functions Manager is the responsible person for operational management and delivery.

Key Highways Services roles include: Duty Officer (decision maker), Operational Team Leader, Duty Operational Supervisor, Drivers, Operators and Observers based either at Oldbury Council House, Oldbury or at the Highways Operational Depot at Taylors Lane, Oldbury

Our Waste Improvement Partner based at Shidas Lane, Oldbury provides additional resources in some circumstances.

The Winter Maintenance Service is funded from the Highways Maintenance target revenue budget. This account is cash limited and any under/over spends are required to be contained within this budget. Whilst every attempt is made to do so, inevitably with the worst and most unpredictable part of the winter falling near the end of the financial year, some difficulties may be experienced in budget management.

The budget is set based on an assumed average winter requiring 55 precautionary treatments as follows;

Spreading Operations

Fixed Costs (incurred regardless of severity of winter)

Item	£
Plant	256,000
Operations Labour stand by (18 weeks)	38,000
Management and Duty Officer Staff	17,000
Road Weather Forecasting (West Midlands Consortium)	8,000
Road Weather Information Service – Icelert	10,000
Communications, GPRS, service charges, Training, weighbridge	27,000
Total	356,000

Variable Costs (vary with severity of winter)

Item	£
Labour for average winter of 55 operational ‘turn outs’	41,000
Salt (consumed)	90,000
Fuel	12,000
Vehicle repairs	6,000
Total of Variable Costs	149,000

Total Cost for Spreading Operations is £505,000.

Grit Bins

Additional costs for providing and maintaining 545 grit bins

Item	£
Provide, replace & maintain grit bins	15,000
Refill salt bins	20,000
Total	35,000

Total service cost £540,000 of which £371,000 is fixed with predicted variable costs of £169,000.

Off Highway Operations

This plan sets out the operational arrangements for meeting the Council's obligations as Highway Authority.

However, as a Local Authority with wider responsibilities and functions, dealing with the problems associated with winter weather necessarily involves other functional areas within the Council.

Ground Care operatives provide support across other areas of the Council in assisting with snow clearing and gritting operations.

The deployment of resources from Ground Care depends largely on the scale and period of inclement weather.

Resources available include 2 and 4-wheel drive tractors with front buckets, gritting facilities, lorries and pick-up trucks.

Prior arrangements are made for small supplies of rock salt to be available for salting purposes at each of the following depots Walsall Road, West Bromwich and Dartmouth Park, West Bromwich. Salt is also available from the Highways Depot at Taylors Lane Oldbury.

QUALITY PLAN

Forecast Data

General Arrangements

The information used in decision making will in most cases be a combination of a road weather forecast and Road Weather Information System (Icelert) sensor data.

The main weather prediction service used by Sandwell MBC is the highways package provided by MetDesk. This service is designed specifically for Highway Authorities and their agents to give road condition specific weather forecasts and a 24-hour consultancy contact.

The Road Weather Information System in use by Sandwell MBC is Findlay Irvine's 'Icelert' system. This system involves 2 remote weather stations within Sandwell with access to the data from these sites and those of neighbouring authorities via a password protected website.

Data from these sites is collected and archived daily and may be referred to at a later date. This is particularly useful when forward planning and for dealing with insurance claims.

Report Sheets

Every morning post action during the winter maintenance season, operational staff at Taylors Lane Depot complete a report on operational matters. This report notes what action was undertaken, the time each vehicle left the depot and the time each vehicle returned. Also noted are any problems, which were encountered, be they vehicular (i.e. breakdown or accident) or operational (i.e. access problems due to parked cars).

Summary Action Sheets and Monitoring

Daily during the winter maintenance season, the Duty Officer will complete the 'Winter Maintenance Duty Engineer Log Sheet' detailing that night's activities. An example sheet is included at Appendix A. This notes the time and content of any telephone conversations with either the duty weather forecaster at MetDesk. or Operational staff, along with the time of any decision made regarding the night's winter maintenance actions.

All Sandwell MBC gritting vehicles are fitted with a winter report telematics platform (GPRS) to enable tracking of vehicles and logging of the actions performed. Information gathered provides a regular snapshot of the vehicle's position, speed and direction of travel as well as its operational/activity status. This information is collected and presented on a specialist password protected website and enables routes to be fully audited from a remote position whilst also providing accurate and comprehensive treatment records.

Performance Monitoring

At the end of each month MetDesk. provides each customer with performance statistics for the accuracy of their forecasts. At the end of the Winter Season, a meeting is convened between MetDesk. and the West Midlands Authorities to discuss their performance and also to identify where any improvements can be made.

ROUTE PLANNING

Sandwell Council is the Highway Authority for all roads within the Borough boundary other than the Midlands Links Motorways, which are maintained by agents working on behalf of Highways England.

Carriageway

The classifications and lengths of public highway are as follows;

Road Classification	Lane Length
Principal Roads	127.1 km
B Roads	36.9 km
C Roads	54.5 km
Unclassified Roads	649.2 km
Back Lanes	14.0 km
Total Network length	881.7 km

Resources do not permit all roads to be treated and hence a priority network has been established which covers approximately 414 km of lane length being 47% of the total network lane length (excluding Back Lanes).

The carriageways on the priority network are divided into two categories;

Priority 1 – treated length of 127.1 km

These are the Borough's Principal Roads (Class A). The Principal Roads form the backbone of the road network within the Borough.

Priority 2 – treated length of 286.9 km

All Non-Principal Roads (Class B & Class C) and other roads, though less important comprising of other heavily trafficked routes, all bus routes and roads serving other key locations and important buildings e.g. hospitals, commercial centres etc.

Other roads within the Borough are not treated other than in exceptional circumstances when severe weather conditions occur and then only when all priority routes have been cleared.

Priority Route Descriptions

The Department for Transport's report 'Transport Resilience Review – A review of the resilience of the transport network to extreme weather events' published in July 2014 recommended that local highway authorities identify a 'resilient network' in order to maintain economic activity and access to key services during extreme weather.

Priority 1 roads define our 'resilient network' and are divided into five separate routes (P1 to P5).

Priority 1 routes are detailed at Appendix B.

8 routes (R1 to R8) cover the whole priority network (Priority 1 and 2 roads together) and are detailed at Appendix C.

Routes have been drawn up in consultation with adjacent local highway authorities and motorway maintenance agents for Highways England to achieve consistency of treatment.

It is inevitable that minor alterations to the network will be required from time to time throughout the winter season as traffic patterns are altered by reason of diversions or road closures.

Call out criteria

Priority 1 routes are only treated, when heavy snow conditions exist. This is the 'resilient network' and is the priority for snow clearing during extreme winter weather events.

Priority 1 and 2 routes are to be treated, when forecasts indicate that formation of ice or snow is likely.

Response and treatment times

Target response and treatment times are:

Route	Rate of Spread gm/sq.m	Response Time ¹ Hours	Treatment Time ² Hours	Total Hours
Priority 1	20-40	1.0	2.0*	3.0
Priority 1 and 2	10-20	1.0	3.0	4.0
Priority 1 and 2	30-40	1.0	6.0	7.0

*subject to snow conditions

1. period between decision being taken to begin treatment and vehicles leaving the depot
2. the period between vehicles leaving the depot and the completion of priority routes

The target turnaround time (the period between a vehicle completing salting on a route and being ready to recommence salting having reloaded at the depot is 1.0 hours.

Footways

Resources do not permit all footways to be treated. A priority network has been established based upon the footway hierarchy recommended in the Code of Practice Well Maintained Highways.

Category 1(a) Prestige Area footways are major shopping streets in town centre and district centres.

Category 1(a) Prestige Area footways are the priority.

Footways Category 1(a) Prestige Areas are detailed at Appendix D.

Prioritised footways may receive precautionary treatment when the forecast indicates that hoarfrost or snow is likely.

Other categories of footway or footpath maintainable at public expense are not treated.

Precautionary treatment of footways will be undertaken by operational staff from Sandwell MBC's Waste Improvement Partner (WIP) based at Shidas Lane Depot, Oldbury. When the Duty Officer instructs WIP Supervisor that treatment is required, operatives will commence salting activities from 0630 with a target treatment time of 2.5 hours.

WEATHER PREDICTION AND INFORMATION

To be most effective, salt should be spread before either ice or snow settles on the carriageway. Anticipating these conditions and reacting appropriately, depends upon a mixture of local knowledge and experience, along with good local weather forecasting and an awareness of the current condition of the road.

Weather Forecasting Service

The 'RoadCast' weather forecasting service is received via a contract through Dudley Metropolitan Borough Council from MetDesk.

In accordance with common practice and the requirements of the seven West Midlands Authorities, MetDesk will provide the following forecasts and summaries by the times stated:

- forecast issued by 12:00 hours detailing the expected conditions for the following 36 hours including:
 - Min air and Road Surface Temperatures with time crossing zero degrees
 - Relative humidity and dew point
 - Likelihood and timing of precipitation
 - For a forecast of snow, its timing, amount, type, direction, whether drifting is likely to occur and the height above sea level at which accumulation is likely
 - Wind speed and direction
 - Confidence levels in the forecast
- 2-10 day outlook issued with the 36 hour forecast including:
 - A general synopsis and anticipated trends
 - Specific condition reports
 - Confidence levels in the forecasts (Low, Medium or High)
- Site Specific Forecasts issued by 14:00 hours that include:
 - Graphical representation, against time, of predicted road surface temperatures, air temperatures and surface conditions.
 - Textual site specific forecasts.
- Evening updated forecasts 24 hour text and site specific graphs issued at 18:00 hours.
- 24 hour Telephone Consultancy Service
 - MetDesk provide a 24/7 telephone consultancy service throughout the Winter Service season, to give advice on weather conditions and to discuss issued forecasts.
- Proactive Communication Regime
 - Pager based contact system for severe weather and significant change in forecasts.
 - Sensor monitoring service.
- Dedicated Website access through www.roadcast.co.uk.
- Monthly and End of Season Analysis of forecasts including:
 - Synopsis of weather conditions during the period
 - Forecast site accuracy analysis
 - Pie charts detailing the frost prediction accuracy
 - The bias and root mean square error in the forecast of minimum RST

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This full service operates from 1st November through to 30th April. During October and May a reduced service is available whereby Road Weather Warnings are only issued as necessary. The telephone Consultancy Service remains available at all times.

Forecast information is received by email direct to relevant staff and through both www.metdesk.com and www.icecert.net. Upon receipt of the forecast an early warning message is posted on notice boards at the operational depot for information to operatives on duty.

Should the forecast change significantly, MetDesk will contact the Duty Officer with a revised forecast using a pager system. Messages will give a brief description and direct staff toward further information.

A further aid to decision-making is provided by the weather forecasting service access to the roadcast.co.uk website. This site provides access to all of the aforementioned data plus a host of current radar images including precipitation intensity and type. This gives a visual indication of the progress of precipitation in various forms as it moves across the region and is of particular interest when snowfall is forecast.

Road Weather Information System (RWIS)

Sandwell MBC operates a Road Weather Information System manufactured by Findlay Irvine Limited, Edinburgh. This system, known as 'Icecert' allows for remote and instant access to outstations indicating current road surface and atmospheric conditions. A bureau system based at Findlay Irvine's headquarters allows access to the information via a secure, password protected website at www.icecert.net. The bureau also archives all data for future use as required.

The data available from the Icecert outstations is presented in both graphic and tabular format and includes:

- Road surface temperature
- Road surface condition (salt levels and presence of precipitation)
- Deep road temperature
- Air temperature
- Relative humidity
- Wind speed and direction

There are 2 Icecert outstations within Sandwell located at:

- ROWLEY HILLS: Oakham Road, Tividale near Darbys Hill Road junction
- WEDNESBURY OAK ROAD: Wednesbury Oak Road, Tipton approximately opposite ASDA store

Throughout the West Midlands Metropolitan Authorities area there are 29 Icelert sites and access to these sites is shared between the seven Local Authorities and agents within this area.

Calibration of the Icelert outstations is carried out by the equipment manufacturer, Findlay Irvine Limited during September or October and January every year to ensure accuracy is maintained.

Any faults with the Icelert.net bureau service should be reported to Findlay Irvine as soon as possible. The appropriate 24-hour emergency contact details are detailed on their website. Faults with the outstations within Sandwell should be reported to Highways Services who will arrange for the necessary repairs or maintenance to be carried out.

Whilst good local weather forecasts are essential, due to the varied local conditions and topography of the Borough, other factors may have to be considered in reaching a decision e.g. recent pre-salting actions and therefore no specific action can be determined for a particular forecast. The decision maker is the Duty Officer.

Forecast sites:

Birmingham	YARWOOD	Yardley Wood Road (New)
Coventry	COVRR	Coventry Ring Road / London Road
Dudley	AUDNAM SEdgeLEY	Camp Hill Audnam A463 Gospel End Road / Cotwall End Road
Solihull	SOLGA CRANMORE	A4177 Kenilworth Road at Gambles Garage Cranmore Boulevard
Walsall	BARR BEACON	A5 / A452 at the Rising Sun PH
Wolverhampton	WOLRRBR	Wolverhampton Ring Road / Bilston Road

Other Sensor Sites:

Birmingham	BHAM CITY BISHWAY COVFORRD COVRD HAGRD	Paradise Circus Queensway A5127 Lichfield Road, Sutton A45 Coventry Road, Yardley A45 Coventry Road, Yardley A456 Hagley Road / Quinton Expressway
	HAGWOL	A456 Hagley Road / A4123 Wolverhampton Road
	KINGRD	A38 Kingsbury Road / Tyburn Road

	MERGN REDRD WALSRD	A5127 Lichfield Road, Sutton A441 Redditch Road, West Heath A34 Walsall Road, Perry Barr (Vaisala site)
Coventry	CORLEY COV01A45	Tamworth Road at the City boundary A45 opposite the Windmill Hotel and Golf Course
Dudley	DUDHG	A456 Hayley Green Island
Sandwell	ROWLEY WEDOAK	Oakham Road / Darby's Hill Road Wednesbury Oak Road, Tipton
Solihull	SOLCRAN	A3400 Stratford Road / Cranmore Boulevard
Walsall	KEYWAY BROWNHILLS	A454 Keyway, Willenhall A5/A452 at the Rising Sun PH
Wolverhampton	WOLRR WOLSTFRD WOLWOODX	Wolverhampton Ring Road / Chapel Ash Stafford Road / Greenfield Lane Dovedale Road, Woodcross

ORGANISATIONAL ARRANGEMENTS AND PERSONNEL

Duty Officer

During normal office hours, management of the winter maintenance service is undertaken by Highways Services officers based at Oldbury Council House, Oldbury including a nominated Duty Officer. Outside normal office hours or when working from home the Duty Officer will have remote access to MetDesk forecasting information via the internet and telephone.

The Duty Officer shall monitor weather forecasts and Road Weather Information Systems and make the appropriate decision for required actions. The Duty Officer is responsible for the overall co-ordination and management of operations. Duty Officers will operate on a rota basis, generally week on week off, and will be contactable by telephone at all times during their period of duty using their office number, a mobile phone, their home number and other numbers as necessary.

At the end of duty period the Duty Officer will ensure on hand over that all relevant information is communicated to the new Duty Officer including if necessary a copy of the Duty Log.

The Duty Officer will maintain a Duty Log (Appendix A) in which records of all decisions made and actions taken. This log is of particular importance during marginal or adverse weather conditions, where particular note will be taken of any contact with MetDesk (who/when/advice given), reports of problems on the network, changes in forecast affecting decision and all other such relevant detail.

In addition, the Duty Officer will post a notification message onto the Message Centre of Icelert.net. This webpage is accessible to all West Midlands Authorities. The Icelert.net Message Centre will also accept information and action taken from neighbouring authorities in the form of an email and display this within the message board. Finally, the Message Centre will also automatically send text messages to key personnel within Sandwell MBC (all Duty Officers, all Operational Supervisors and Communications Office staff).

There are 3 Highway Services staff on the Duty Officer rota.

The lead Duty Officer will have attended the Institute of Highway Engineers Winter Services Training for Decision Makers and Managers supplemented by a number of years on the job experience.

All Duty Officers will receive periodic training updates in weather forecasting and meteorology as provided by the weather service forecasting provider or similar.

Other Duty Officers will receive on the job mentoring and supervision provided by the lead Duty Officer.

Operational

For our Operational Division, operatives out of hour's standby arrangements are in place during the core winter service period. Where the long-range weather forecast indicates, or the prevailing conditions dictate, the standby period may be extended to cover the overall winter service period. Out of Hours Standby is from home, operatives being contacted by telephone.

Duty Operational Supervisors will be experienced and trained personnel with responsibility for operational control at Taylors Lane Depot. All Operational Supervisors must hold a Heavy Goods Vehicle licence, attain the City and Guilds Institute Scheme 6159 Winter Maintenance Operators Qualification and the City and Guilds Institute Scheme 6159 Winter Maintenance Manager/Supervisor Qualification or equivalent.

Duty Operational Supervisors will co-ordinate all Winter Service operations from the depot and ensure they are undertaken in a safe manner. They will also relay observed local weather, carriageway and footway conditions to the Duty Officer. The Duty Operational Supervisor will also ensure the accurate recording and reporting of all relevant Winter Service operational information.

During a normal gritting operation, once a decision is made by the Duty Officer, this is communicated to the Duty Operational Supervisor detailing exact requirements. The Duty Operational Supervisor will then initiate the call-out of all personnel required to perform the tasks instructed. They will then proceed to Taylors Lane Depot to organise and co-ordinate operations.

The Duty Operational Supervisor will maintain a log which will contain details of instructions received, route exceptions, Duty Officer requests for assistance and any other operational issue deemed relevant.

Once the gritting operation is underway, the Duty Operational Supervisor will monitor the operation and deal with any issues that may arise such as vehicle breakdowns or network incidents. They will be the point of contact for the Duty Officer on the network for incident management. This would include arranging the treatment of any areas not covered within the Priority Treated Network as may be requested by the Emergency Services or other stakeholders and approved by the Duty Officer.

Upon completion of the operation, the Duty Operational Supervisor is responsible for ensuring that vehicles are accurately weighed back into the depot, offloaded of any excess material and that the salt storage area is left in a tidy and safe condition. They must also ensure the quality of vehicle wash downs in accordance with operational procedures, that the gritting vehicles are returned to the storage area correctly and that any mechanical failures are made aware to vehicle maintenance staff. Any issues with regard to route coverage or treatment exceptions should be recorded in the Daily Log and all records completed accurately.

Operational staff shall be drawn from staff within Sandwell MBC. These operatives will be trained to a high standard and capable of operating vehicles, plant and equipment to required standards and in accordance with instructions.

Operational staff will be available on a “home standby” rota basis to be contacted by telephone. All gritting vehicle drivers must hold a Heavy Goods Vehicle licence and attain the City and Guilds Institute Scheme 6159 Winter Maintenance Operators Qualification.

Once a call-out is ordered gritting vehicle drivers will report to Taylors Lane Depot to collect a gritting vehicle and be assigned a route. Generally, operatives are designated specific routes to promote route ownership and knowledge but will have a working knowledge of other routes should this be necessary.

The Duty Operational Supervisor will issue instructions to each driver for the action including data to programme the on-board Autologic spreading system.

The driver will input the data to the on-board Autologic spreading system.

During spreading operations, the Duty Operational Supervisor will periodically check and monitor that the Autologic spreading system is set as per the Duty Officer instruction and record checks made.

The operative will drive the route as required and on return to the depot discharge any excess salt and wash the vehicle down. During the operations, should the operative encounter any route exceptions such as road closures, illegal manoeuvres or extreme conditions on a certain section of network, these should be reported to the Duty Operational Supervisor for a record to be made and/or alternative instructions to be given.

Loading shovel operatives will also report to the depot and undertake the loading of the gritting vehicles as instructed by the Duty Operational Supervisor. At the end of the operation they will also ensure salt stocks are maintained and left in a tidy condition.

In normal circumstances operational resources comprise one operative per gritting vehicle together with one loading shovel operative. However, where deemed necessary by the Duty Officer and Duty Operational Supervisor, such as in heavy snow, freezing or dense fog with restricted visibility or during significant snowfalls when snow ploughs are in use or extreme conditions, gritting vehicles will be operated by two personnel, one driver and a mate/observer.

Operational Division’s labour resources are organised into a 3-shift system using the following people resources:

Operations Team Leader and Manager	Duty Operational Supervisors	Drivers	Loading Shovel Operatives	Mate/Observer (when required)
1	2	24	3	volunteers

Communications

Communications between all people engaged in the winter service delivery arrangements is maintained by a combination of beepers, mobile telephones and landlines (where available).

Day time numbers:

MetDesk. contact number is – 01296 628373

A dedicated mobile number for the Duty Officer (decision maker) is 07710 310952

Out of hours numbers:

At the commencement of the winter season a rota of duty officers and operational staff and operatives is prepared and issued to all interested parties. Home numbers are published (where available) but should only be used as a last resort.

Cov19 Pandemic

The Covid 19 pandemic has the potential to significantly impact on the operational delivery of our Winter Maintenance plan this year.

A significant amount of work has been undertaken to ensure the appropriate risk assessments and plans are in place to deal with this scenario.

Our plans to manage the risk posed by Covid 19 are based on the twin-track approach of:

- Reducing the risk of transmission of infection
- Managing the potential impact from infections on resources

Reducing the risk of Covid transmission:

The following principles are being used to reduce the risk of transmission:

- Operation of 'Bubbles' - Resources will be operating in cells
- Physical separation – with resources working from separate locations where this is practical
- Management of staggered work times – Staggered and prescriptive start/finish times, lunch and break arrangements
- Enhanced cleaning regimes
- Enhanced PPE and hygiene regimes will be enforced

Managing the Impact of Infections:

The following principles are being used manage the impact on available resources if infections do occur:

- Reduced activity on non-critical activities such as Ground Maintenance to protect workforce
- Identification and proactive training of additional available resources
- As a last resort, focus on 'Priority 1' gritting routes (see page 36)

PLANT VEHICLES, EQUIPMENT & FUEL

The plant resource maintained at the Highways Operational Depot to deliver the winter service is:

Spreading Vehicles	9 No (6 x 4x2 & 3 x 4x4 spreaders)
Snowploughs	5 No
Loading shovel	1 No
Other Plant	Hired as required.

Diesel fuel storage facilities are maintained within the Taylors Lane Highways Depot. Maximum storage is 6,000 litres. A minimum re-order level of 3,000 litres is in place sufficient for 11 precautionary treatments.

Additional fuel resilience includes 'fuel cards' to purchase fuel at local petrol filling stations.

All spreading vehicles are equipped with Autologic, an automatic spreading system which incorporates a navigation system. The GPS navigation guides the driver along the route and the spreading settings occur automatically. This enables the driver to fully concentrate on the road without being unduly distracted by the spreading process.

Autologic ensures spreading is fully automated.

All Operational Staff are trained in setting Autologic to the Duty Officer instruction.

Regular calibration testing of the spreaders is undertaken each year.

The system allows for flexibility in staff deployment as prior route knowledge is not required.

All spreaders conform to BS1622:1989 and are speed-related.

All spreaders are equipped with speed limiters set to 28 mph during gritting operations.

All vehicles and plant used during the routine operations are purchased by our in-house Fleet Services based at Waterfall Lane Depot. Arrangements include for 24-hour response for emergency repairs.

All Sandwell MBC gritting vehicles are fitted with the winter report telematics platform (GPRS) to enable tracking of vehicles and logging of the actions performed. Information gathered provides a regular snapshot of the vehicle's position, speed and direction of travel as well as its operational/activity status. This information is collected and presented on a specialist password protected website and enables routes to be fully audited from a remote position whilst also providing accurate and comprehensive treatment records.

The above vehicles, labour and plant resources are sufficient to deal with the situation presented by an average winter i.e. routine pre-salting and average snowfalls. However, if winter conditions become so severe then further resources in labour and plant may be utilised from Contractors undertaking other routine highway maintenance operations.

SALT AND OTHER DE-ICING MATERIALS

Rock Salt is the prime material for combating snow and the formation of ice on the highway, but it has environmental consequences, in that it can kill vegetation, pollute watercourses and cause damage to the road structure, bridges, utility apparatus and vehicles.

Crushed rock salt treated with an agricultural by product (Molasses) to enhance its adherence to the road surface may be used.

In the interest of both economy and environmental protection, only the minimum amount of salt should be used for the prevailing conditions.

Realistically there is only one supply of rock salt from Winsford in Cheshire although trials have taken place with imported salt, the price of which is susceptible to currency fluctuations.

In order to maintain adequate supply in Taylors Lane Depot, Highways Services staff at Oldbury Council House will maintain a stock management system, with tonnage details provided by Taylors Lane Depot. Using this system, information on salt usage is inputted after every action or incident of salt usage. This ensures that Highway Services know the exact stocks available at any one time and restocking will then be triggered based on pre-determined minimum stock levels.

Specification:

All coarse grade rock salt used on the highway by the Council for Winter Maintenance purposes is supplied to comply with B.S 3247 Part 1 (Salt for spreading on highways for Winter Maintenance).

English mineral rock salt, complying with the current BS3247, is treated with Sodium Ferrocyanide as an anti-caking agent. Other rock salt may not be treated and may solidify, leading to storage, loading and spreading difficulties. Non BS3247 Rock Salt may also have inferior melting properties, which might lead to choking of the spreading equipment and to slippery deposits on the carriageway.

In recent years there has been a tendency to use the finer grading of rock salt for precautionary salting, resulting in reduced potential for vehicle damage and a more uniform spread on the carriageway together with minimizing overspread and contamination of adjacent vegetation.

Storage:

The untreated salt held in readiness for use is stored, uncovered, in a purpose-built salt store area at Taylors Lane Depot.

At the start of each winter a minimum 5,000 tonnes of salt is in stock. This is replenished as necessary through the winter period. The salt store is managed to ensure adequate rotational use of the salt on a year by year basis.

Care should be taken that no valleys are formed on the top surface of the salt stockpile, there should be a continuous slope from the highest point of the pile to ground level with no steep faces liable to sudden collapse. Run-off from the stockpile is contained in catch pits to reduce salt contamination and a loss of salt from leaching.

On the outer surface of the pile a crust forms of a slightly different colour which cuts down losses. It should be removed or broken up before the salt is loaded so as not to block the mechanism of the spreading vehicle.

The corrosive nature of the salt makes careful cleaning and maintenance of the vehicles and plant used essential.

Resilience

The winters of 2009 and 2010 respectively exposed the fragility of Local Authorities salt stock resilience and the dependence upon salt stock replenishment during a winter season. The Code of Practice Well Maintained Highways introduced a recommendation for minimum resilience of continuous treatment capability of 12 days with 4 treatments each day at a spread rate 20g per square metre of dry salt (therefore, a minimum resilience of 48 actions) and it is recommended in the “Well-Maintained Highway Infrastructure Code” that authorities continue to ensure sufficient resilience to salt stocks.

Each 20g per square metre treatment of Priority 1 & 2 carriageway routes within Sandwell requires approximately 55 tonnes of dry salt. The minimum desirable salt stockholding to meet the minimum resilience requirements is 2,640 tonnes.

The salt stockholding will be maintained at no less than 2,640 tonnes throughout the core winter service period.

The core winter service period is 9th November to 4th April

The overall winter service period is 1st October to 30th April.

Minimum stock level required by Government	Estimated Usage 11 Nov – 6 April	Estimated Usage 6 Apr – 30 Apr
5,000 Tonnes	2640 Tonnes (48 actions @ 20g/m ²)	660 Tonnes (12 actions @ 20g/m ²)

Should low levels of National Salt Resilience require the instigation of the Department for Transport’s ‘Salt Cell’ then the Authority will fulfil and comply with the requirements of the system.

West Midlands local authorities work closely together and, where circumstances allow, sharing salt stocks, through mutual aid, is an additional level of resilience that is available by agreement.

Spread Rate Decision Making

To be most effective, treatment should be applied before either ice forms or snow settles. The success or otherwise of the operation depends greatly on the good judgement of the Duty Officer decision maker whether or not to treat.

The spread rate decision making process will be informed by the guidance set out in section 8.6 of the NWSRG Practical Guide for Winter Service.

Snow Clearance and Severe Conditions

It is difficult to lay down hard and fast rules for the clearance of falling or fallen snow. Conditions can vary considerably on a day to day basis. Response will inevitably depend on the severity of the conditions and the resources available at the time. However, the following notes are given as guidance.

SEVERE CONDITION 1

If a snowfall of at least 75mm (3") occurs and the weather forecast is for freezing conditions to continue then the following course of action is to be taken;

Stage 1

Operational resources (including any specialised hired plant) will be concentrated on clearing Priority 1 roads initially and then Priority 2 roads.

Stage 2

The Duty Officer will determine at what stage approval is given to treat "other" roads outside the approved priority network. Such approval will only be given providing that priority 1 roads have been treated and/or are completely open to traffic and priority 2 roads are substantially so.

At this stage the following resources may be utilised:

- (a) Normal winter maintenance crews.
- (b) Redeployment of other operatives normally engaged on highway maintenance operations.
(excludes other operatives carrying out Ground Maintenance or Street Cleansing operations).
- (c) Hired plant/equipment as necessary.

Stage 3

If the weather conditions under Stages 1 and 2 continue to deteriorate then the Director of Regeneration & Growth in consultation with the Cabinet Member for Sustainable Transport may give authority to employ other operatives and contractors on winter maintenance operations.

The resources which may be used at this stage are:

- (a) Normal winter maintenance crews.
- (b) Highways maintenance operatives.
- (c) Other Sandwell operatives.
- (d) Contractors.
- (e) Hired plant as necessary.

SEVERE CONDITION 2

The other condition which can be classified as severe and where treatment to "other" roads - outside the approved network – may be carried out is where severe frosts, ice or light snow (less than 75mm deep) occur for long periods of time.

The decision to treat "other" roads in this condition is to be made by Service Manager for Highways in consultation with the Director of Regeneration & Growth and the Cabinet Member for Sustainable Transport, who will also decide what level of resources are to be used in this situation.

FOOTWAYS.

Conditions under which additional footways may be treated.

Prioritised footways may receive precautionary treatment when the forecast indicates that hoarfrost or snow is likely.

The prioritised Footways Category 1(a) Prestige Areas are detailed at Appendix D

Other categories of footway or footpath maintainable at public expense are not treated.

For severe Condition 1 (stage 2) or Severe Condition 2 (as defined earlier for carriageways) other footways may be treated and/or cleared and the same arrangements, regarding resources and decisions, will apply as for carriageways.

Crises Management

In exceptional circumstances the incident management response process as set out in the Council's Emergency Plan (published in 1st June 2018 and due to be reviewed in 2023) will be implemented to ensure appropriate crises management.

SALT BIN POLICY

Salt bins are provided for use by members of the public to assist safe passage of vehicles along the carriageway.

There are 545 salt bins locations approved in accordance with the criteria below and listed at Appendix E.

We get more requests for grit bins than can be reasonably afforded. We therefore assess each request against a set of criteria.

We consider various criteria including the characteristics of a road together with other influencing factors and apportion a score against each. If the criteria assessment total score exceeds 100 then a grit bin will be provided and maintained.

Grit Bin Placement Policy Criteria

	Road Characteristic	Criteria	Score
1	Gradient of Road	> 1 in 15	75
		1 in 15 to 1 in 29	40
		< 1 in 30	0
2	Carriageway Horizontal Alignment	Bend < 100 m Radius	60
		Bend < 250 m Radius	20
		Bend > 250 m Radius	0
3	Close Proximity (25m) and Falling Towards	NRSWA Type 1	90
		NRSWA Type 2	75
		NRSWA Type 3	50
		NRSWA Type 4	30
4	Road Category	NRSWA Type 1	60
		NRSWA Type 2	45
		NRSWA Type 3	20
		NRSWA Type 4	0
5	Number of premises for which only access (cul-de-sac)*	Over 50	30
		20 to 50	20
		0 to 20	0
6	Critical community facility access required for large numbers of people e.g. day care centre, health centre or similar?	Yes	20
		No	0

Road Categories are taken from the NRSWA specification. Each officer has access to a listing of all roads within Sandwell and their corresponding NRSWA category.

*N.B Any industrial premises for which this is the only access are to be automatically promoted to the higher category.

Note:

Evaluation on the above basis should ensure that salt bins are installed only at identified locations where there are combinations of significant factors.

Salt bins shall not be sited on the priority salting network.

Care should be taken to avoid locating salt bins in areas where they may be used for the disposal of litter (ie near bus stops) or act as litter traps.

OPERATIONAL COMMUNICATIONS

Daily Forecasts

1st October – 30th October & 16th April – 15th May

By 1100 24 hour & 2-5 day text forecasts

1st November – 15th April

By 1200 24 hour, 10 day text forecasts & Site specific forecast graphs

By 1800 Routine afternoon update to 24 hour forecasts

By 0600 Morning summary, summarizing the actual weather conditions for the previous night.

Action plan

By 1300; Duty Officer consult the 24-hour, 10 day text forecasts & the site specific forecast graphs, which apply to the Sandwell area and consider possibilities. Inform the Duty Operational Supervisor as to possible plans (eg action / no action, early turn-out / late turn-out).

By 1830; Duty Officer review the situation following the routine afternoon update to 24 hour forecasts.

1830 Inform Duty Operational Supervisor if an early turn-out is required.

If no early action is required, the situation will be monitored throughout the night.

Note; At all times a MetDesk 'RoadCast' forecaster is available by telephone for further consultation as to the weather conditions.

INFORMATION AND PUBLICITY

Contact through the media is increasingly important as a means of keeping the road user informed of adverse conditions and promoting safety on the highway.

Media coverage of winter maintenance and emergency operations plays a very important part in making the public aware of the service provided and how essential the service is to the community.

Throughout the winter period dialogue with the media is maintained through the Council's Press Office. Officers are proactive in providing up to date information on a daily basis in the form of a text message sent to the Press Office when an action is planned, in order that meaningful responses can be made to enquiries from the media.

Appropriate officers are also available to appear on local radio stations and TV as and when the needs arise.

When periods of extreme weather conditions, i.e. heavy snow, have been forecast, the Press Office is notified of the Council's winter service plans so that they can inform the media accordingly.

It is of great importance that situation updates are received by the Press Office, therefore enabling them to present credible press releases and interviews to the media.

Information is published on the council's website at:

http://www.sandwell.gov.uk/info/200284/roads_travel_and_parking/2139/gritting

Increasing use of social media is made to keep our community informed about our winter service policy, operational activity and to manage expectations regarding the winter service.

APPENDIX A

DUTY OFFICER MODEL LOG SHEET

[ILO: UNCLASSIFIED]

WINTER MAINTENANCE DUTY ENGINEER LOG SHEET

Reporting Period 12 Noon XX/XX/20XX to XX/XX/20XX

Forecast (24-hour clock)	
Text Forecast Received:	
Graphs Received:	

Forecast Summary	
24 Hour Readiness Colour	
Min Forecast RST	

Contractor Duty Officers	
Highways Duty Supervisor	
Serco Duty Supervisor	

Spread Rate Considerations (Only Populate if action proposed)			
Salt Type	Dry	Treated	
Salt Moisture Content within optimum range	Yes	No	
Road Surface Wetness	Dry	Damp	Wet V. Wet
Traffic Level	Low		High
Salt Loss	Normal		High
Salt Distribution	Poor	Fair	Good

Action Proposed				
Treatment Options	Action Proposed (Y/N)	Salt Type	Spread Rate (g/m ²)	Planned Start Time
All Routes (C'way)	N			
Priority Routes (C'way)	N			
Auxiliary Routes (C'way)	N			
Footways	N			

Log of Principal Events	
Time:	Action:

Log of Principal Events (continued)

Time:	Action:
<i>Duty Officer:</i>	<i>Signed:</i>

[IL0: UNCLASSIFIED]

APPENDIX B

CARRIAGEWAY TREATMENT ROUTES

PRIORITY 1

[IL0: UNCLASSIFIED]

SALTING - PRINCIPAL ROADS ONLY - ROUTE P1

For use as pre-salting route OR heavy dose route in snow situations.

Travel to Birchley island. Start salting into **Birchfield Lane** and continue into **Oldbury Rd.**

At Kwik Save bear left to the island and left into **Long Lane.**

Proceed past Borough **boundary** and turn around at roundabout and return along **Long Lane.**

Turn left into **Halesowen St** and right into **Bassano Rd.**

At the end turn left into **High St** and at the give way turn right into **Henderson Way.**

Turn first right into **Beet St** and at the end turn left into **High St.**

At the island turn right into **Halesowen St** and at the second island turn left into **Horner Way.**

Cross over the traffic lights into **Archer Way** and at the end turn right along Oldbury Road, at lights turn right into **Station Rd.** Continue to roundabout and make u-turn back along Station Road.

At the end turn left into **Oldbury Rd** and bear right into **Henderson Way.**

Cross the island into **Henderson Way** and continue to the traffic lights.

Carry on into **Powke Lane** and circle the island before turning into **Garratts Lane.**

At the next island turn left into **Heathfield Way** (Old Hill by-pass).

At the island u-turn and return along **Heathfield Way** and at the island turn second left into **Highgate St.**

At the next island turn right into **Halesowen Rd**, go to the Borough **boundary** and turn around back along **Halesowen Rd**, to the island.

Turn right into **Reddal Hill Rd** and on into **Upper High St**, into **Foxoak Street** and **continue into Lower High St.**

Carry on into **Forge Lane** and at the Borough **boundary** turn around and return.

At the island at **Halesowen Rd** turn right, proceed along **Halesowen Rd.**

Carry on and at the Borough **boundary** turn around and return along **Halesowen Rd.**

At the traffic lights turn right into **Beauty Bank** and turn first right into **Station Rd.**

At the end turn left into **Gorsty Hill**, on into **Halesowen St** and left into **Bassano Rd.**

Bear right into **High St** and at roundabout turn left into **Birmingham Rd.**

[I L O : U N C L A S S I F I E D]

At the island turn right into **Henderson Way** and on into **Oldbury Rd.**

Continue on into **Birchfield Lane** and at Birchley island **STOP SALTING** and return to **Taylors Lane.**

Route P1

Last Reviewed

September 2020

Last Revised

July 2015

SALTING - PRINCIPAL ROADS ONLY - ROUTE P2

For use as pre-salting route OR heavy dose route in snow situations.

Start salting at the Depot.

Turn right into **Taylor's Lane** and at the island turn right into **Shidas Lane**.

At the island turn left into **Portway Rd** and at the end turn left into **Churchbridge**.

Turn around at **McDonald's island** and return along **Churchbridge**.

At the **Birchley island** keep to left lane around the island and return along **Churchbridge**.

At **McDonald's island** turn right into **Oldbury Ringway** towards Smethwick.

Go on into **Birmingham Rd** and then on into **Oldbury Rd**.

Continue into **Toll House Way** and on into **Soho Way**.

At Windmill Lane circle the island once then exit into **Grove Lane**.

At roundabout turn left into **Dudley Rd** and at the Borough boundary turn at Dugdale St and return along **Dudley Rd** into **Cape Hill**.

Continue into **High St**, bear left at **Newlands Green** and left again into **Bearwood Rd**.

Go along **Bearwood Rd** to the traffic lights at **Hagley Rd West** and turn right into **Hagley Rd West**.

Go on to the island at Quinton Lane by Jefferson's P.H. turn around and return along **Hagley Rd West**.

Turn left into **Bearwood Rd** and at the traffic lights by Hadley Stadium bear right into **Waterloo Rd**.

At the next traffic lights turn right and go down **Cape Hill**.

At the roundabout turn left into **Grove Lane** and on into **Soho Way**.

Cross the traffic lights at Crockett's Lane and take first left into **High St**.

At **Newlands Green** bear right then right again and back along **High St**.

Turn left into **Toll House Way** and continue along **Oldbury Rd** to the roundabout.

Turn right into **Spon Lane South** and at the next island turn left into **Kelvin Way**.

At Bromford Lane traffic island u-turn and return along **Kelvin Way**.

At the next island turn left into **Trinity Way** and go across the next traffic lights.

Go onto the **Expressway**, continue under the underpass to Albion roundabout, u-turn and return back along Expressway to motorway island. U-turn at Motorway island and return back along Expressway. Take left hand slip on to fire station island, make u-turn and take slip road back on to Expressway, (towards motorway island),.

Turn left off Expressway into **Trinity Way** and cross the traffic lights.

At the island turn left into **Kenrick Way** and turn left at the next island into **Kenrick Way**.

Go around the **M5 island**; keep to the right to pass through the special holding section.

Return down **Kenrick Way**, over the island into **Telford Way** and at the Oldbury Rd island turn around and return along **Telford Way**.

At the island turn left into **Kenrick Way** and at the next island turn left into **Spon Lane South**.

At the roundabout island turn right into **Oldbury Rd** and go on into **Oldbury Ringway**.

At **McDonald's island** stop salting and return to **Taylor's Lane**.

Route P2

Last Reviewed

September 2020

Last Revised

July 2015

[ILO: UNCLASSIFIED]

SALTING - PRINCIPAL ROADS ONLY - ROUTE P3

For use as pre-salting route OR heavy dose route in snow situations.

Travel to *Albion* island (Carters Green) and start salting the **Black Country New Rd**.

Go on along **Black Country New Rd** and cross *Swan, Navigation, Parkway* and *Steel* islands.

At *Patent Shaft* island turn around and return along **Black Country New Rd**

Go along **Black Country New Rd** and cross *Steel, Parkway, Navigation, Swan* and *Albion* islands into the **Expressway (New Rd)**.

Take left hand slip on to Fire station island then turn left into **All Saints Way**.

At the traffic lights at the end of **All Saints Way** turn left into **Heath Lane** then immediately right into **Walsall Rd**.

Turn right again into **Lyndhurst Rd** and at end right into **Hollyhedge Rd**. Move over to the left hand lane.

At the traffic lights turn left into **Newton Rd** and at the **Scott Arms** traffic lights turn left into **Birmingham Rd**.

Follow **Birmingham Rd** over the Motorway flyover to the Borough boundary just past Merrions Close.

Turn through central reserve and return along **Birmingham Rd** over the flyover, but before the traffic lights at Scott Arms, turn through central reserve at Sundial Lane.

Return along **Birmingham Rd** and turn off down the **slip road** to the **Motorway island**.

Take the first **slip road** off towards Walsall back onto **Birmingham Rd**.

U-turn at central reservation by Chapel Lane, back along **Birmingham Rd** and turn off down the **slip road** to the **Motorway island**. Circle island and take slip road back towards Walsall, join **Birmingham Road** and continue to borough boundary and make u-turn back along **Birmingham Road** towards Birmingham.

Take left hand slip to motorway island, Circle the **Motorway island** once and turn off up the **slip road** signed to Birmingham back onto **Birmingham Rd**.

At the traffic lights at **Scott Arms** turn left into **Queslett Rd**, continue to Asda island and make u-turn back along Queslett Road.

At the **Scott Arms** cross into **Newton Rd** and at the traffic lights by All Saints Church take the right hand lane and follow the A4031 sign for Walsall onto **Walsall Rd**.

At **Stone Cross** circle the island once and carry on down **Walsall Rd** to pass under the motorway and turn right into **Greenside Way**.

Continue on into **Thorncroft Way** and **Birchfield Way** and at the island cross into **Cherry Tree Avenue**.

At the end turn left into **Greenside Way** and second right into **Orchard Rd**.

Continue on into **Woodruff Way** and at the end turn left into **Greenside Way**.

At the end turn left into **Walsall Rd**.

Proceed to the one way system at **Lyndhurst Rd** and at the end turn right into **Hollyhedge Rd**.

Cross the traffic lights in the middle lane into **All Saints Way**.

At the island at the Expressway (New Rd) stop salting and return to **Taylor's Lane** depot.

Route P3

Last Reviewed

September 2020

Last Revised

July 2015

SALTING - PRINCIPAL ROADS ONLY - ROUTE P4

For use as pre-salting route OR heavy dose route in snow situations.

Start at **Bromford Rd island** (junc. Ringway and Church St.)

Start salting **Oldbury Ringway** to **McDonald's island** and turn around.

Return along **Oldbury Ringway** and continue along **Bromford Rd, Bromford Lane, Moor St** and **Price Street**.

At the traffic lights turn left into **St Michael's St** and at the traffic lights turn left into **High St** and go on into **Carters Green**.

At the island (*Albion*) turn right into the **Expressway (New Rd)** and cross the next island (*All Saints*).

At the **M5 island** keep to the left hand lane over the motorway, go along **Birmingham Rd** to **Park Lane** and turn around.

Return along **Birmingham Rd** to **M5 island** and keep to the left hand lane over the motorway.

Return along the **Expressway (New Rd)**, take left hand slip on to Fire Station island, circle island and take the slip road back on to The Expressway travelling towards Wednesbury.

At the next island (*Albion*) turn right into **Old Meeting St**.

Carry on along **Old Meeting St, Black Lake, Hill Top, Holloway Bank, Bridge St, and Holyhead Rd**.

At the island turn left into **Dudley St** and at the next island turn left onto **Black Country New Rd**.

At the island turn right into **Leabrook Rd** and after going over the canal bridge make sure you are positioned to spread salt to the full road width.

At **Ocker Hill** island turn right and go along **Gospel Oak Rd**.

At the traffic lights turn right into **Farmer Way** and at the end turn right into **Charlotte Rd**.

At the end turn left into **Willingsworth Rd** and at the end turn left into **Leabrook Rd**

Return along **Leabrook Rd** and at the island turn left into **Black Country New Rd**.

At the island turn right into **Dudley St** and at the next island turn left into **Holyhead Rd**.

At the island (*Patent Shaft*) turn around and return along **Holyhead Rd**.

At the island turn left into **High Bullen** and at the next island turn left into **Trouse Lane**.

Go on into **Darlaston Rd** to the Borough **boundary** at Woden Rd West.

Turn around and return along **Darlaston Rd** into **Trouse Lane** to **High Bullen island**.

Turn left into **High Bullen, Walsall St** and on into **Wood Green Rd**.

Cross the traffic lights, continue along **Wood Green Rd** and u-turn at the **Motorway island**.

Return along **Wood Green Rd** and **Walsall St** to **High Bullen island** and turn first left into **High Bullen**.

At the next roundabout u-turn back along High Bullen to island, u-turn back along High Bullen at the island turn left into **Holyhead Rd**.

Go along **Holyhead Rd, Bridge St, Holloway Bank, Hill Top, Black Lake and Old Meeting St**.

At the island (*Albion*) cross into **Carters Green** and on into **High St**.

At the end turn left into **New Street, continue** into **Cronehills Linkway**. Circle roundabout continue on to Cronehills Linkway, at Tesco roundabout circle island then turn left on to Cronehills Linkway to Fire station island.

U-turn and return along **Cronehills Linkway** and take 1st exit at roundabout on to Congregation Way. At next roundabout make u-turn back along Congregation Way to Tesco island. Make u-turn and go back along Congregation Way to roundabout, circle roundabout and proceed along Congregation Way to Reform Street.

At reform Street roundabout take 2nd exit into Reform Street, go straight over lights in to Bull Street. Straight over the lights onto West Bromwich Ringway.

Take next left on to Spon Lane and turn left at end into **Kelvin Way**.

Turn around at the island and take first right back into **Spon Lane**. At the traffic lights turn left into **West Bromwich Ringway**.

At the traffic lights turn left into **Moor St**, go around Price Street gyratory to lights. Turn right into Moor Street then turn left into Moor Street and continue in to **Bromford Lane**.

At the island cross into **Bromford Rd** and at the island at the **Church St / Ringway** junction **STOP SALTING** and return to **Taylor's Lane**.

Route P4

Last Reviewed

September 2020

Last Revised

July 2015

[ILO: UNCLASSIFIED]

SALTING - PRINCIPAL ROADS ONLY - ROUTE P5

For use as pre-salting route OR heavy dose route in snow situations.

Travel to Freeth St island on Oldbury Ringway and start salting.

Turn left into **Dudley Rd**, and go on into **Dudley Rd East**.

Go on into **Dudley Rd West** and bear left on **Tivdale Rd**, turn right onto New Birmingham Road to **Burnt Tree** traffic signals.

Turn right into **Burnt Tree** and at the traffic lights turn left into **Sedgley Rd East**.

Continue on into **Park Lane West** and cross the island into **Sedgley Rd West**.

At the traffic lights turn left into **Dudley Rd** and at the junction with New Birmingham Rd go across the traffic lights into **Tipton Rd** and turn around through the central reservation.

Return along **Dudley Rd** to the traffic lights and cross into **Hurst Lane**, **Bloomfield Rd**, **High St**, and **Wednesbury Oak Rd**.

At the Gospel Oak traffic lights turn left into **Bilston Rd**.

Continue into **Great Bridge Rd** and pass under railway bridge then turn around and return along **Great Bridge Rd** and **Bilston Rd**.

At the Gospel Oak traffic lights cross into **Gospel Oak Rd** to **Ocker Hill** island.

Go around the island, return along **Gospel Oak Rd** to the Gospel Oak traffic lights and turn left into **Wednesbury Oak Rd**.

Continue along **Wednesbury Oak Rd**, **High St**, **Bloomfield Rd** and **Hurst Lane** to the traffic lights.

Turn left into **Sedgley Rd West**, cross the island into **Park Lane West** and on into **Sedgley Rd East**.

At the traffic lights at **Dudley Port** turn left, continue on into **Horseley Heath** and at the Great Bridge island turn left into **New Rd**.

Continue on into **Toll End Rd** and at the Ocker Hill island turn around and return along **Toll End Rd** and **New Rd**.

At the island turn left into **Great Western Way** and at *Navigation* island turn left into the **Black Country New Rd**.

At *Parkway* island turn around and return along the **Black Country New Rd** and at *Navigation* island turn right into **Great Western Way**.

At the island turn left into **Market Place** and go on into **Great Bridge**.

Go on into **Great Bridge St** and at the end turn left to *Swan* island.

Go around *Swan* island and go into **Dudley St**.

At the end turn left into **Carters Green** and at *Albion* island turn around and return into **Carters Green**.

Immediately turn right back into **Dudley St** and just before *Swan* island turn left into **Great Bridge St**.

Go on into **Great Bridge** and **Market Place** and at the island turn left into **Horseley Heath**.

Go on into **Dudley Port** and cross the traffic lights to continue along **Dudley Port** to **Burnt Tree traffic signals**.

Turn left into **New Birmingham Road** then at next lights turn left in to **Tividale Rd**; continue on into **Dudley Rd West** at lights at end turn left into **Tipton Rd**.

Go across the **Dudley Port** traffic lights, turn around and return along **Sedgley Rd East**, **Tipton Rd**, **Dudley Rd East** and **Dudley Rd**.

At Oldbury Ringway stop salting and return to **Taylor's Lane** depot.

Route P5

Last Reviewed

September 2020

Last Revised

July 2015

APPENDIX C
CARRIAGEWAY TREATMENT ROUTES
PRIORITY 1 and 2

[IL0: UNCLASSIFIED]

ROUTINE PRESALTING - WHOLE NETWORK - ROUTE R1

OFF: **Taylors Lane, Rounds green Road , Right on Oldbury Ringway** , straight Birmingham Road , Oldbury Road Left at

ON: **Spon Lane South** ,at island turn right into **Kenrick Way** and at next island turn left into **Kenrick Way**. At M5 J1, follow inner lane of island and return back along **Kenrick Way**. At island continue into **Telford Way** and at next island circle roundabout and return along **Telford Way**. At island turn left into **Kenrick Way** and at next island turn right into **Trinity Way**. At the traffic lights turn right into **High St** continuing on into **Birmingham Rd**. At M5 J1,traffic island take third exit onto

OFF: **Kenrick Way** then at roundabout turn right onto **Kenrick Way**. At roundabout undertake a U-turn back onto **Kenrick Way**, take 2nd left into

ON: **Green Street**, continue into **Glover Street** to Trinity Way, Turn left on to

OFF: **Trinity Way** to roundabout. U-turn back on to **Trinity Way** continue lights at High Street. Proceed Straight over lights onto

ON: **Trinity Way** to

OFF: **Expressway**, join dual carriageway. Leave Expressway at slip road onto fire station island, at island turn right into

ON: **All Saints Way**, continue into **Newton Rd**. Turn left on to **Pear Tree Drive**, turn left on to **Pear Tree Rd to Pear Tree Drive**, Turn Right on **Pear Tree Drive** to **Newton Road**. Turn left on to **Newton Road**. At Scott Arms continue into **Queslett Rd**, turn second left on to **White crest**, turn first right on to **Abbotsford Avenue** proceed all the way round to **Scott Road** and turn left into **Scott Road**. Turn 1st right into **Carter Road**. At the junction turn right onto **Sundial lane** and then left onto Birmingham road. At the traffic lights turn left onto **Queslett Road** and take the first left into **Sundial Lane** bear left at the mini roundabout and continue along **Sundial Lane** and turn first right into **Carter Road**. At the junction turn right onto **Scott Road** , continue to the end and turn left onto

OFF: **Whitecrest**. Take the fifth right into

ON: **Peverill Way** .at the junction turn right onto **Abbotsford Avenue** and take the next right into **Lammermoor Avenue** at the junction turn left onto

OFF: **Whitecrest**. Continue to the junction and turn left on to

ON: **Queslett Road**. After passing under the M6 motorway bridge

OFF: **continue to traffic island at Asda and U-turn to return along Queslett Road to**

ON: **M6 flyover**

At Scott Arms, turn right into **Birmingham Rd**; follow **Birmingham Rd** over the Motorway flyover to the Borough boundary just past

OFF: **Merrions Close**. Turn through central reserve and return along **Birmingham Rd** at

ON: **Merrions Close** continue on **Birmingham Road** over the flyover to Scott Arms. At Scott Arms turn right into **Newton Rd** and turn left into **Hampstead Rd**. Turn 1st right on to **Hembs Crescent**, turn right on to **Tanhouse Ave**, turn right on to **Howard Road** to Hembs Crescent, Turn right

OFF: **Hembs Crescent** to

ON: **Tanhouse Ave**, and turn left along **Tanhouse Ave**. Turn left on to **Valley Road**. Turn right on to **Hampstead Road**. Turn left in to **Stanton Road**, turn left in to **Green Lane**; turn left in to

OFF: **Hampstead Road**.

ON: **junction Stanton road** straight and turn 4th left on to **Spouthouse Lane**. Turn 3rd left in to **Appleton Avenue**, Turn 2nd right in to **Gorse Farm Rd** to roundabout, u-turn back along

OFF: **Gorse farm Road** to **Appleton Avenue**, turn left on **Appleton Avenue** to

ON: **Spouthouse Lane**. Turn left in to **Spouthouse Lane** to **Old Walsall Road**, turn left and continue to junction with **Walsall Road**. Turn left to Scott Arms.

OFF: At **Scott Arms** continue on into **Birmingham Rd** and turn left into

ON: **slip Rd for Motorway Island**, circle roundabout and take slip Rd back onto **Birmingham Rd towards Walsall**. Take right turn into **chapel Lane**, continue across the boundary and turn around by the church , return along Chapel Lane turning Right into **Coronation Road**, continue into **Merrions Close** up to **Birmingham Rd** and **turn left**. Take slip road on to Motorway Island and take

ON: **exit slip road on to Birmingham Road heading towards Birmingham**.

OFF: **At Scott Arms, turn right on to Newton Road**, turn 5th left into

ON: **Jayshaw Avenue**, turn left into **Waddington Avenue** to turn left on to Newton Road. Turn left back in to **Jayshaw Avenue**, turn 5th right in to **Gorse Farm Rd**, turn left at roundabout in to **Eastwood Road** then turn left at end in to **Jayshaw Avenue**. Turn 1st left in to **Shenstone Road**, turn left in to

OFF: **Gorse Farm Rd**. At roundabout turn left in to **Eastwood Road**, turn right in to

ON: **Jayshaw Avenue**, continue to **Walsall Road** and turn left. Make u-turn through centre reserve and turn right at light in to Old **Walsall Road**. Turn right on to **Hampstead Road** then turn right in to

OFF: **Spouthouse Lane**. Turn 2nd left into

ON: **West Road**, continue in to **Templemore Drive**, turn left in to

OFF: **Stanton Road** to Hampstead Road, continue straight over roundabout in to

ON: **Tanhouse Avenue**. Turn right in to

OFF: **Valley Road**, turn left on to

ON: **Hampstead Road** then turn right at the lights on to

OFF: **Newton Road**. Turn 6th left in to

ON: **Pages Lane** then left on to

OFF: **Birmingham Road**, take left hand slip lane to jct 7 roundabout, take left slip on to Birmingham Road and keep in left slip road and

ON: **turn left in to Wilderness Lane**. Continue in to **Longleat** to the bottom then turn right in to **Monks field Ave**. Turn right on to **Newton Road** and continue to **All Saints Way**. At traffic lights keep left into **All Saints Way** and turn left into **Parsonage Street**. Continue into **Hallam St, Seagar St and Reform St to island**. Circle the island and return along **Reform Street**, take the second right into **Lloyd St** and continue along **Dagger Lane**. At end turn right onto

OFF: **Church Vale and bear left into Parsonage St**. At traffic signals, turn left into **All Saints Way**

ON: and turn first right into **Wilford Rd**. At end of Wilford Road, turn right into

OFF: **Vicarage Rd** to traffic signals turn right into **Heath lane**. Bear left into **Walsall Rd** then bear right into **Lyndhurst Rd**, and then turn right into **Holly hedge Rd**.

At traffic signals, continue into

ON: **All Saints Way**. Continue to fire station traffic island

OFF: **fire station island turn** left onto slip road on to The Expressway, turn left onto

ON: **Trinity Way**. Go straight over the lights at junction with High Street then at roundabout take second exit onto **Spon Lane South**. At roundabout stop gritting and return to the depot

Route R1

Last Reviewed
Last Revised

September 2020
July 2018

[I L O : U N C L A S S I F I E D]

ROUTINE PRESALTING - WHOLE NETWORK - ROUTE R2

OFF: **Taylors Lane** , straight **Rounds Green Road** , right onto **Oldbury Ringway**, straight **Birmingham Road** , **Oldbury Road** ,left onto **Telford Way** ,Straight onto **Kendrick Way** onto junction 1

ON. Turn onto **The Expressway** continue under the underpass to Albion roundabout, U-turn and return along the **Expressway** under the underpass to M5 J1. U-turn at motorway island return along

OFF: **Expressway**, go up

ON: **slip road to fire station** island and then down slip road back on to

OFF: **Expressway** continuing to Albion island. U-turn back along The Expressway go

ON: **up slip road** to fire station island and then continue down slip road on to The

OFF: **Expressway** towards motorway island. At motorway island make u-turn back on to Expressway and continue Albion island, take the second exit onto

ON: **Black Country New Road** to **Lea brook Road island**, Take 1st exit into **LeabrookRoad**, continue to **Ockerhill** island and take the 4th exit onto **Bilston Road**. Continue over lights at Gospel Oak in to **Bilston Road** and proceed along **Great Bridge Road** to boundary, at railway bridge and make u-turn. Travel back along

OFF: **Great Bridge Road/Bilston Road** and at the Gospel Oak Pub turn right in to

ON:**Wednesbury Oak Road**. Take the 4TH right into **Union Road** and turn right into **Richards Road**. Turn left on to

OFF: **Wednesbury Oak Road**. Continue over signals on to

ON: **Farmer Way**, at end of Farmer Way turn right on to **Charlotte Road**, turn left onto **Willingsworth Road** to Leabrook Road and turn left onto **Leabrook Road**. At the traffic island take the 3rd exit and return along **Black Country New Road** across **Navigation Roundabout** and **Swann Roundabout** to **Albion Roundabout** and then turn left into **Old Meeting Street** continuing over the traffic signals into **Black Lake**. At the traffic signals at **Hill Top**, turn left into **New Street**, continuing along **Harvills Hawthorn**, **Bagnall Street** and **George Henry Road**. At the island turn left onto

OFF: **Black Country New Road** and turn 1st left into

ON: **Richmond Street** continuing into **Dial Lane**. At the end turn left in to **Harvills Hawthorn** and the left into **Wedgwood Avenue**. Turn right into **Anson Road**,at the end turn left into **Wolseley Road** then 1st right in to **St Vincent's Crescent**, turn 1st right into **Marmion Way** then left on to **Dial Lane**. Turn 1st right in to **Ebenezer St** continue in to **Heronville Road**, at the end turn right on to **Norbury Road** and continue to **New Street**. Turn right in to **New Street** and at the traffic signals turn left into **Hill Top**.

At the traffic signals turn right into **Witton Lane**, continue in to **Jowett's Lane**, turn left on to **Allerton Lane** then left on to **Wyntor Lane** up to **Witton Lane** then right and immediate left in to **Coles Lane**. Turn 2nd left in to **Bedford Road**, turn 2nd right in to **Huntingdon Road**, at the end left in to **Denbigh Drive** to end then turn right in to **Wiltshire Way**. Continue in to **Bank Street** then at the end turn left onto **Vicarage Road**. At the end turn right onto **Heath Lane** and follow the road to the left into **Walsall Road** and turn fifth right into **Charlemont Road**. Cross over **Hollyhedge Road** into **Charlemont Road** and turn first left into **Beacon View Road**. Turn fourth right at the mini island into **Smithmoor Crescent** and second left into **Meadow Avenue**. At the end turn right into **Charlemont Road** and at the end turn right onto **Hollyhedge Road** continuing into **Jervoise lane**.

At the end turn right onto **Walsall Road** continuing to stone cross through the gyratory system along **Walsall Road** and take fourth left into **Sandy Lane**. and into **Friar Park Road**, turn third left in to **School Road**, turn second right on to **Carrington Road**, then turn left along **Manor Road** turn 2nd left into **Carisbrooke Road** then at the end turn left in to **Friar Park Road** to the end and turn left at the mini roundabout into **Freeman Road** and continue into **Carrington Road**. Continue over **Carisbrooke Road** into **Astbury Road** then turn left in to **Roberts Road** and then right on to **Friar Park Road**. Continue into **Sandy Lane** and turn left at the lights onto **Walsall Road**. Turn right into **Greenside Way**, and 7th left in to **Redwood Road** then c at the end right on to **Birchfield Way** then continue in to **Thorncroft Way**, then right back in to

OFF: **Redwood Road**, turn left in to

ON: **Cherry Tree Avenue** follow to end then left in to **Greenside Way**. Turn 3rd right in to **Orchard Road**, continue round in to **Woodruff Way** to **Greenside Way** and turn left. Turn left onto **Walsall Road**. At Stone Cross, go around gyratory and return back along

OFF: **Walsall Road**, turning right into

ON: **Beacon view Road**. Turn second left on to **Bustle Holme Lane**, circulate **Andrew Road** and **Rayford Drive** and return to **Bustleholme Lane**. Turn left on to **Beaconview Road** and turn second right into **Wyndmill Crescent** and follow round. At the end turn right onto

OFF: **Beacon View Road**. Turn second left into

ON: **Smithmoor Crescent** and second left into

OFF: **Meadow Avenue**. At the end turn left onto

ON **Charlemont Road** into **Wigmore Lane** and turn right into **Water Lane** continuing into **Penny hill Lane**. At the end turn left into **Hollyhedge Road**, keep to right hand lane. At the traffic signals continue into **All Saints Way** turning right into **Heath Lane** turning right into **Walsall Road**, turn right into **Lyndhurst Road** and turn left onto **Hollyhedge Road**. Turn fifth left into **Charlemont Road** and at the end turn right onto **Walsall Road**. Continue along **Walsall Road** and circle **Stone Cross gyratory**, returning along **Walsall Road** (towards West Brom). Turn first right into **Beverley Road** and turn fifth left into **Westminster Road**. Cross over **Marsh Lane** into **Jubilee**

Street and at the end turn right into Heath Lane. Turn right into Marsh lane and at the end, turn left into

OFF: Walsall Road and at Stone Cross gyratory turn left into

ON: Hall Green Road and at island continue into Hydes Road. At island turn left into Rydding lane and continue into Allerton Lane. Turn Left in to Clarks Lane and then 2nd right in to Kesteven Road and then left in to Wiltshire Way. Turn 6th left in to Westmorland Road, 1st right in to Somerset Road and then 1st left on to Essex Avenue. At the end Turn right back on to

OFF: Kesteven Road and the at the end turn right on to

ON: Clarks Lane then right at the signals into Vicarage Road and continue along Church Lane. At traffic signals continue into New Swan lane (OFF OVER TRAM LINE) and at Swan roundabout, take second exit into Dudley Street. At the end turn left into Carters Green and at Albion round about stop gritting and return to depot

Route R2

Last Reviewed
Last Revised

September 2020
July 2018

ROUTINE PRESALTING - WHOLE NETWORK - ROUTE R3

OFF: **Taylors lane**, straight **Rounds Green Road, Oldbury ringway** ,Left onto **Oldbury Ringway**, across Freeth Street island

ON: Turn left into **West Bromwich Street** and bear left into **Oldbury Road**. At canal bridge, turn right into **Albion Road** and at the end turn left onto

OFF: **Brandon Way**

ON: At the end turn left onto **Greets Green Road** and continue into across the lights into **Whitehall Road**, turn 2nd left on to **Dunkirk Avenue** then continue in to **Elizabeth Road**. Turn left on to **Phillip Road** and left on to **Cophall Street** and right on to **Sheepwash Lane**, then turn left on to **Whitehall Road**. At the end turn right onto **Great Bridge Street**, and at the end turn left into **Dudley Street**. At **Swan Island**, circle the island and return along **Dudley Street** and turn right into **Great Bridge Street**, continue into **Great Bridge** and **Market Place**. At island, turn right onto **Great Western Way**. At Navigation roundabout, **circle roundabout** and return **along Great Western Way**. At roundabout, return along OFF: **Great Western way** ON: **and at Navigation roundabout turn left into dedicated left filter lane** onto

OFF: **Black Country New Road**. Continue along Black Country New Road, cross

ON: **Parkway and Steel roundabouts** and at **Patent Shaft roundabout**, turn left into **Patent Drive**. At next island turn left into **Hallens Drive** and turn right into **Moorcroft Drive**. Turn right into **Patent Drive** and at the roundabout turn right into **Hallens Drive** and continue to island. At Steel island turn left into

OFF: **Black Country New road** and at

ON: **Patent Shaft roundabout, circle roundabout** and return along **Black Country New Road**. At Steel Island turn left into **Dudley Street**, continue over roundabout into **High Bullen** and at next roundabout turn left into **Trouse Lane** and turn left into **Bilston Road**. At Patent Shaft roundabout turn left onto **Holyhead Road**. At roundabout continue straight over in to into **Holyhead Road** continuing into **Bridge Street**, turn left into **Woden Road North** , continue to the roundabout , make a u turn and return to Holloway Bank, Turn left into **Holloway Bank**. At the traffic signals turn left into

OFF: **Witton Lane** and at the mini-roundabout turn right into **Coles lane**.

ON: **AT JUNCTION WITH MONMOUTH DRIVE** At the traffic signals turn right into

OFF: **Hill Top**. At the traffic signals turn right into **Witton Lane** and turn second left

ON: into **Crookhay Lane**. Turn second right into **Winchester Road** and at the end turn right onto **Windsor Road**. At the end turn right onto **Millfields Road** and at roundabout, take second exit onto

OFF: **Hydes Road** into **Hall Green Road**. At roundabout turn left into

ON: Crankhall Lane continue to the end and turn left before the bridge in to Oldbury Street. Turn left on to Elwell Street then take a left to return on to

OFF: Crankhall Lane at the end of the road turn left onto

ON: Brunswick Park Road. At the end turn left onto Hydes Road. At second mini-roundabout, turn left into Paul Street then turn 1st right in to Moor Street, turn right at the end on to Richard Williams Road, bear left into Hackwood Road and at the end take a right on to Hydes Road, then turn right back on to

OFF: Paul Street, continuing into Oxford street, Alma Street.

ON: Turn left on to St Luke's Road then left on to Oxford Street

OFF: JUNCTION WITH OLDBURY ST and follow to end at Crankhall Lane, turn right on to Crankhall Lane. First left into

ON: Woden Road East. Follow to end then turn left in to Wood Green Road. Turn left in to Brunswick Park Road and then left in to

OFF: Crankhall Lane then take first left back in to Woden Road East. Turn second right into

ON: Park Hill then left on to Coronation Road and right in to Rutland Road. Turn left in to Kent Road to Suffolk Road crossroads then turn right in to Kent Road. Turn left on to

OFF: Rutland Road then left on to Coronation Road

ON: JUNCTION PARK HILL and then turn right at the end on to

OFF: Crankhall Lane.

ON: Turn 1st left into William Green Road and continue along Price Road and then turn right in to Walton Road, take a right on to Warner Road, carry over Johnson Road into Bishop Road and turn left into Booth Road. Turn right on to Johnson Road and turn left in to

OFF: Crankhall Lane.

ON: Turn right in to Friar Park Road, bus bay circulate the green and take the exit in to Freeman Road turn right into

OFF: Manor Road. At the end turn left into Crankhall Lane and at the roundabout, turn right into Hall Green Road continuing into Hydes Road. At the roundabout turn right into

ON: Hydes Road and continue over roundabouts junction of Woden Road into Hydes Road, take next left into Chestnut Road and second right into Cedar road. At the end turn right onto Holden Road and at the roundabout, turn left onto Hydes Road. At the

end turn left onto **Walsall Street** and into **High Bullen**. At the roundabout, circle the roundabout and return along **High Bullen**. Turn left in to **Church Hill**, continue down **Vicarage Road** and turn left at the end in to **Wood Green Road**. Turn left on to **Hobs Road**, turn 4th left in to **Churchfields Road** then at the end take a right on to

OFF: **Church Hill** and at the end turn left in to

ON: **High Bullen** Turn 1st right into **Walsall Street**, turn left into **Market Place** continuing into **Lower High Street** and at the roundabout, turn right into **Holyhead Road** and turn right in to **Russell Street**, bear right on **Russell Street**, turn left on to **Lower High Street** and continue to **Market Place**. Turn left into **The Shambles** turn left back on to **Russell Street**, left on to **Lower High Street**. Turn right on to **Rydding Lane** and left in to **Holden Road**. and immediate right in to **Cedar Road**, take a right in to **Chestnut Road**. At the end turn left onto **Woden Road South** and at the roundabout turn left onto

OFF: **Hydes road**. At the end turn right onto

ON: **Wood Green Road** continuing to

OFF: **M6 J9**, circulate and return onto

ON: **wood Green Road**. Turn left into **Axletree Way**, turn left to follow **Axletree Way** under bridge to roundabout, circle the roundabout and return along **Axletree Way** onto **Wood Green Road**. At traffic signals turn right into **Myvod Road** continuing into **Woden Road North**. At the end turn left into **Old Park Road** then left on to **Hawthorn Road**, left in to **Ash Road** then left on to

OFF: **Woden Road North**, turn left back on to **Old Park Road**

ON: **JUNCTION OF HAWTHORNE ROAD** and at the end turn left into **Manor House Road**. Take fifth right into **Hobs Road** and first left into **Crew Road**. At the end turn right into

OFF: **Myvod Road**. At the traffic signals turn left into **Wood Green Road** and turn left into

ON: **Axletree Way**. At roundabout,
: circle and return along **Axletree Way**. Turn left onto

OFF: **Wood Green Road to M6 J9**, circle roundabout and return along **Wood Green Road**. Continue over traffic signals and turn fourth right into **Hobs Road**. At the end turn right into

ON: **Park Lane**, continue over roundabout and at next roundabout, turn right into **Axletree Way**. At the next roundabout, circle the roundabout and return along **Axletree Way**. At roundabout, turn left into

OFF: **Park Lane** then left in to

ON: **Dingley Road**, 1st right on to **Prince George Road** then right in to **Myvod Road**. across the traffic island Take 1st right in to **Simcox Road**, right at the end onto **Allen Road** then right on to

OFF: **Park Lane**,

ON: **JUNCTION HOBBS ROAD** along **Manor House Road** into **whitley Street**. At the end, turn right onto **Darlaston Road** and turn third left into **Woden Road West**. At the end turn left onto **Black Country New Road** and at **Patent Shaft roundabout**, circle the roundabout and return on to **The Black Country New Road** (towards Moxley),

OFF: **OPP WODEN ROAD** turn left on to

ON: **Bull Lane**, turn left on to **Western Way** then left at the roundabout on to

OFF: **Patent Drive** to Black Country New Road. Go straight over the roundabout on to

ON: **Bilston Road**. At the end, turn right into **Trouse Lane** and at the roundabout, turn right into **High Bullen**. Continue over next roundabout into **Dudley Street**. At Steel Island, turn left onto **Black Country New Road** and at **Parkway Roundabout**, turn right into

OFF: **Leabrook Road** continuing over the roundabout into

ON: **Toll End Road** and turn eighth right at the lights into **Horsley Road** continue into **Alexandra Road**. At roundabout, turn left into **Lower Church Lane** and at end turn left by the shops on to **Horsley Heath**, Turn third left by the old post office into **Horsley Road** and at the end turn right into **Horsley Road**. Turn left into **Bridge Road** and at end turn right into **Toll End Road** continuing into **New Road**. At roundabout, turn right onto

OFF: **Horseley Heath** and turn fifth left into

ON: **Tame Road** continuing into **Sheepwash Lane**. At the end turn right into **Whitehall Road**, turn 4th right in to **Whitgreave Street** and in to **Vernon Street**. Take a right on to

OFF: **Oldbury Road** then right in to **Albion Road**, go over the canal bridge in to **West Bromwich Street**, bear left in to

ON: **Fountain Lane** to **Bromford Road lights**. Go straight over in to **Broadwell Road**. Follow to the end then turn right on to

Oldbury Road. STOP GRITTING and return to depot.

Route R3

Last Reviewed
Last Revised

September 2020
July 2018

[I L O : U N C L A S S I F I E D]

ROUTINE PRESALTING - WHOLE NETWORK - ROUTE R4

OFF: **Taylors Lane, Rounds green road** , left onto **Oldbury Ringway**

ON: left at roundabout onto **Dudley Rd**, continue along **Dudley Rd East** and at the traffic signals, bear left on to **Dudley Rd West**, continue in to **Tividale Road** then bear left to continue **Tividale Road** towards the New Birmingham Road. Turn left on to

OFF: **New Birmingham Road** then turn right at signals on to

ON: **Regent Road**, follow to end then turn left on to **Oakham Road** then first left on to **Darbys Hill Road**. Turn left on to **Wheatsheaf Road** to the end then turn right on to **Regent Road**. Turn second left in to **Red Lion Close** and follow to end. Go straight over Regent Road in to **Elm Terrace** then take 1st right in to **Pine Road** then second left in to **California Road**. Turn left in to **Mallen Drive**, at the end turn left in to **Taylor Way**, right on to **Hodges Drive** then left on to **Wakeman Drive**, turn 1st left in to **Trafalgar Road**, take the second right on to **Poplar Avenue** then 1st right on to **Poplar Rise**. Turn 1st left on to **Mary Road** and left back on to **Poplar Avenue** to **Trafalgar Road** and turn right. Continue down **Trafalgar road** to

OFF: **New Birmingham Road** and turn right.

ON: Turn right in to **City Road**, turn 2nd right in to **Poplar Rise** and take the right in to

OFF: **Mary Road**, turn right on to **Poplar Avenue** then left back on to **City Road**. Turn right on to the New Birmingham Road. Turn 1st right on to

ON: **Hilton Road**. Turn right at end of Hilton Road on to **Ashleigh Road** then left in to **Grace Road** and left on to **City Road**. Turn second left in to **Hawfield Road**, turn right on to

OFF: **Tower Road** then turn left back on to

ON: **City Road**. Take 1st right on to **Darbys Hill Road** then at end turn left on to

OFF: **Oakham Road** then 5th left in to

ON: **City Road**.

OFF: Turn 4th left in to **Poplar Rise** then left in to **Wakeman Drive** then 1st right in to

ON: **Trafalgar Road**. Turn 1st left in to **Elm Terrace**. Turn left in to **Pine Road**, left again in to **California Road** then 1st right in to **Fairway Avenue**.to the end and Turn left in to **Wheatsheaf Road** then 1st left in to **Hollies Road** then right in to **Fairway Avenue**, then take a right in to **California Road**. Turn left at end in to **Wheatsheaf Road** then left in to **Darbys Hill Road** then left in to **City Road**. Turn right in to **Tower Road** then at the bottom turn left on to

OFF: **New Birmingham Road**. Turn right in to

ON: Lower City Road then left at end on to

OFF: Dudley Road East. Bear right at the lights in to Tipton Road then turn right in to

ON: Johns Lane, and right in to Temple Way. At the end of Temple Way turn right back on to

OFF: Dudley Road East. Bear right again in to

ON: Tipton Road into Sedgley Rd East and at the traffic signals turn left into Dudley Port into Burnt Tree and at Burnt Tree traffic signals turn left, onto A4123 and turn left in to Tividale Road and continue on Tividale Road, turn second left in to Bradley Street. Turn right on to Burnt continue along Burnt Tree, Dudley Port, Horseley Heath and at roundabout at Great Bridge, circle the roundabout and return along Horseley Heath, Dudley Port through signals and left in to Groveland Road . Turn right on to Dudley Road West continue on to

OFF: Tividale Road then turn right in to Bradley Street. Turn right at end on to Burnt Tree. Turn left in to

ON: Coneygre Road then left on Coneygre Road to New Birmingham Road. Turn left on to

OFF: New Birmingham Road to Burnt Tree signals and continue straight over. Turn left on to Tividale Road. Turn second left back in to Bradley Street, then left on to Burnt Tree to signals then turn right on to New Birmingham Road.

Turn right at signals by the Black country Museum on to

ON: Dudley Road. Turn second right on to High Street, turn right at roundabout on to Park Lane West, turn 1st right on to Castle Street then right on to Dudley Road. at the traffic lights Turn left onto Sedgley Road West to borough boundary and u-turn in Oxford Way. Go back to Pie Factory lights and turn left in to Hurst Lane. Continue up Hurst Lane/Bloomfield /Princess End then at the lights turn right on to Upper Church Lane. Turn right at signals on to Locarno Road then turn 1st right on to Central Avenue. Turn 5th right on to Salter Road then at the end right back on to Upper Church Lane, through lights to roundabout, turn right on to Alexandra Road. Turn 1st left on to Kirkham Way at the end turn left in to Standbridge Way, and first left into Puppy Green to the end turning right on to Station Street, turn left on to Park Lane East. Turn right at the end onto Lower Church Lane ,turn right at the lights onto Horseley Heath and first left into Johns Lane . Turn first left into Bevan Road and first Right into Brook Road , turn left at the end into Morrison Road and continue into Hudson Road . Turn Right into Denbeigh Road .at the junction turn left onto Horseley Heath and second right in front of the shops Proceed straight over Lower Church into

OFF: Park Lane East then right in to Station Street, turn left in to Puppy Green then continue along

ON: **Standbridge Way** and **Kirkham Way** to end then turn left on to **Alexandra Road**. Follow Alexandra Road, into **Owen Street** up to roundabout, Turn Left on to **Park Lane West** then left at 1st set traffic lights on to **Coneygre Road**, continue over roundabout onto **Victoria Road**, in to **Queens Road** and continue into **Silver tree Road** to end. Turn left on to **Park Lane West** and then left in to **Manor Road** then left in to **Queens Road**. Turn right in to **Birch Street** then left in to **Waterloo Street** to **Lime Close** roundabout and u-turn. Travel back along **Waterloo Street** then turn 3rd left into **Union Street** then right in to **Albion Street**. Turn right on to

OFF: **Owen Street** under the underpass then first left into

ON: **Alexandra Road** to **Robert Road** and make u-turn by train station. Turn left in to **Locarno Road** then cross signals at Upper Church Lane in to **Powis Avenue**, at end of Powis Avenue turn right on to **Toll End Road**. Bare right in to **Bridge Road** then turn left on to **Bourne Avenue**. Turn right on to **Powis Avenue** then at end turn left on to **Toll End Road**. Turn 1st left at roundabout on to **Ocker Hill Road** and turn left in to **Spring Street** to **Toll End Road** and turn left again. Turn right at roundabout 3rd exit on to **Blakeley Wood Road** to end and make u-turn.

Return to Toll End roundabout and take the second exit on to **Ocker Hill Road** and continue into **St Marks Rd**. Turn left on to **Watt Road** then left on to **Highfield Road**. Turn 1st right right on to **Cupfields Avenue** then continue over Powis Avenue continuing on **Cupfields Avenue** to Toll End Road. Turn right and then 1st right in to **Bridge Road** then right into **Bourne Avenue**. Turn right into

OFF: **Powis Avenue** then go over roundabout and turn left in to

ON: **Highfield Road**. Turn right on to **Watt Road** and left on to **St Marks Road**, left on to **Glebefields Road**, at Powis Avenue U-turn around triangle. Continue back along

OFF: **Glebefields Road** and turn left in to

ON: **St Marks Road**. Turn right at the end in to

OFF: **Upper Church Lane**. At lights turn right on to **High St** then 1st left in to **Union Street** then bear left into to

ON: **Richards Road** and turn right at end on to **Batmans Hill Road**, proceed to end at junction with Brierley Lane and carry out a u-turn. Continue back along

OFF: **Batmans Hill Road** into

ON: **Parkes Lane** then turn right on to

OFF: **High Street**. Continue through lights into Bloomfield Road

ON: **Piano bridge** to pie factory lights, turn left on to **Sedgley Road West**, Continue over roundabout into **Park Lane West**. Turn 1st left in to **Silvertrees Road** and continue on to **Queens Road** and in to **Victoria Road**, across roundabout to Sedgley Road East lights, turn right on to **Sedgley Road East**. Turn right in to **Mayfair Gardens**. Turn right at mini-island in to **Coneygree Road**, at lights turn left onto

Sedgley Road East. At signals turn right on to Dudley Port then turn 3rd left in to Tividale Street then left in to Dudley Road West, turn right in to Hill Road. At end turn left on to

OFF:New Birmingham Road then 1st left in to

ON:Lower City Road, turn 1st right in to Ashtree Road, left on to St James Road then left on to Brades Road, take 3rd left in to Brades Rise, and at the end turn left again in to Ashtree Road and proceed into Bury Hill Road up to lights. Turn left onto Wolverhampton Road then left in to Florence Road, turn right at the end in to Brades Road and return to depot.

Route R4

Last revised September 2020

Last reviewed July 2018

ROUTINE PRESALTING - WHOLE NETWORK - ROUTE R5

ON: **Taylors Lane** ,At roundabout turn left into **Brades Rd** and continue to roundabout. At roundabout crossover into **Roway Lane** and at the end turn right into

OFF:**West Bromwich St, continuing into Fountain Lane**. At the traffic signals turn left into

ON: **Bromford Rd**, circulate around roundabout then continue into **Bromford Lane** and **Moor St**. At Price St gyratory continue into **West Bromwich Ringway** and at the traffic signals past the college turn right into **Spon Lane**. Turn fifth right into **Bache St**, turn left into **Johnston St**, turn right into **Dawes Avenue**, turn right into **Gill St** and left into **Farm St**. At the end turn right onto **Sams Lane** and at the end turn right into **Spon Lane**. At the end turn left onto **Kelvin Way** and at the roundabout, circle the roundabout and return along **Kelvin Way** continuing over roundabout into **Brandon Way**. Turn third right into **Albion Rd** and turn right into **Clifford Rd**. Turn left into **Westbourne Rd** and right into **Caroline St**. Turn left into

OFF: **Bromford lane** and turn second right into

ON:**Lyttleton St**.

OFF: **Junction of Farm st** at the end turn left into **Spon Lane** and at the traffic lights, turn left into

ON: **West Bromwich Ringway**, turn right in to **St Michael St** and continue in to **New Street**, continuing to **Cronehills Linkway**, at the 2nd roundabout circle and return along **Cronehills Linkway** and continue back on to **New Street**. Through the lights on to

OFF: **St Michael St**, carry straight on and at the one way system return via Price Street to Westbromwich Ringway. At the lights turn left onto **St Michael Street** .At the lights by the Sandwell PH turn left onto **High Street**

ON: 1st left in to **Victoria Street** and then left in to **Price Street**. Carry straight over the lights on to **West Bromwich Ringway**, continue round in to **Bull Street** and up to **Reform St roundabout**, turn second left onto **Congregation Way** and at the next island take the first exit continuing on **congregation way** and at the next island take the first exit onto **Cronehills Linkway** circle the roundabout at Bratt Street and return back along **Cronehills Linkway** , at the island take the first exit continuing along **Cronehills Linkway** and at **FireStation island** circle the island and return along **Cronehills Linkway** , At the next island take the first exit onto **congregation way** continue to **Reform Street** island and take the second exit into **Bull Street** turn left at the second set of signals onto **High Street** .Continue over lights into

OFF: **Birmingham Rd**. At

ON:**J1 M5 continue over roundabout** using outer lane onto **Birmingham Rd** (towards West Brom stadium) and at traffic signals turn right into **Halfords Lane**. At traffic signals turn left into **Lewisham Rd**, at lights bear right into **Lewisham Rd** bear left into

Downing St and turn right into Cornwall Rd. At lights turn left in to Rabone Lane, then turn right in to Anne Road, then right in to Woodburn Road, turn left into Foundry Lane. Continue into

OFF: at the viaduct Wellington Street then turn right in to Winson Green Road, at the lights turn right in to Heath Street, into Cranford Street to roundabout, make u-turn and return along

ON: Cranford Street into Heath Street. Turn 4th right in to Winson Green Road turn right on to Dudley Road. At roundabout turn right in to Grove Lane and continue to roundabout with Windmill Lane, make u-turn. Return along dual carriageway and at roundabout turn right on to Cape Hill. Turn right at lights in to Windmill Lane. Take the first Left into Suffrage Street and then second left into Corbett Street. Turn Left at the junction onto High Street. At the Traffic lights turn left back into

OFF: Windmill Lane

ON: Junction of Suffrage Street and follow to end. At roundabout turn left on to

OFF: Soho Way and continue in to Tollhouse Way and turn right on to

ON: Rolfe Street. Continue along Rolfe Street in to Rabone Lane then turn right into SOHO Street and left onto SOHO Way , at the island circle returning on Soho Way , take 1st right back into SOHO Street and at the junction turn right into Rabone Lane at lights turn right in to Foundry Lane

OFF: Junction of Woodburn Road then onto Wellington St. Turn left off Wellington Street into Franklin Street, then take a left in to Foundry Road, turn 1st right on to Perrott Street, then left in to

ON: Woodburn Road. Take first right in to

OFF: Anne Road then turn right in to

ON: Rabone Lane. Turn left in to Downing Street. At junction turn left in to Downing Street then second left in to Bridge Street North. Turn right in to Rolfe Street and left in to New Street. Travel over Tollhouse Way in to Crocketts Lane and turn 1st left in to Brook Street. Continue along Brook Street in to Price Street and then turn left at end in to Thomas Street. Turn right into Messenger Road then left on to

OFF: Windmill Lane then at roundabout make u-turn and return along Windmill Lane. Turn first right in to Messenger Road, turn second left into Thomas Street, and 4th right into

ON: Tiverton Road, right at the end into Victoria Park Road then left at the end into

OFF: Brook Street. Turn left in to

ON: Crocketts Lane then right at signals on to High Street then take a left on to

OFF: Tollhouse Way. Turn right on to Rolfe Street then left in to

ON: North Western Road continuing into Brasshouse Lane and into

OFF: Halfords Lane. At the traffic signals turn right onto

ON: Birmingham Rd and turn left into

OFF: Park Lane continuing into

ON: Forge Lane. At the end turn right onto

OFF: Newton Rd take the first left onto

ON: Wigmore Lane take the 2nd right into Tompstone Road, circulate and return to Water Lane, turn left on to Wigmore Lane. At the end, turn right onto

OFF: Newton Rd and turn left into Forge Lane continuing into Park Lane. At the end turn left onto

ON: Birmingham Rd and turn right into

OFF: Middlemore Rd.

ON: boundary At lights turn right into

OFF: Lewisham Rd and at the traffic signals continue over into

ON: Dartmouth Rd. At roundabout turn right into

OFF: Kenrick Way. At M5 J1 turn second left into

ON: Birmingham Rd and turn right into Beeches Rd. Turn right into Europa Avenue and circle Europe Avenue returning to junction with Beeches Rd. Turn right onto Beeches Rd and third left into Jesson St. At the end turn right onto

OFF: High St

ON: Trinity Way traffic signals continue to the traffic signals at West Bromwich Ringway, turn left onto West Bromwich Ringway. Continue around West Bromwich Ringway, then turn left in to Moor Street, circulate Price St gyratory to lights, and turn left on to St Michaels Street. At the traffic signals turn left into High St and turn fourth left into Dartmouth St. At the end turn left into Oak Lane continuing into Oxford Rd and Izens Rd turning right at the end onto Oak Rd. Turn second right into Oak Lane and at the end turn left into Oak Lane. Turn second left into Gadds Lane. At the end turn right into Albion Rd and right onto Brandon Way. At the end turn right onto Woods Lane and turn fifth right into

OFF: Gadds Lane. At the bottom turn left into

ON: **Oak Rd.** At Price St gyratory, turn left into **Victoria St** and left into **Edward St.** At the end turn right into **Dartmouth St** and at the traffic signals turn left onto **High St.** At

OFF: **Albion roundabout** turn left onto Black Country New Rd and at Swan roundabout, turn left into

ON: **Dudley St** and turn second right into **Phoenix St** continuing along **Ryders Green Rd, Oldbury Rd** and **Albion Rd** turning left onto

OFF: **Brandon Way.** At the end turn right into **Woods lane** and left into

ON: **Claypit Lane.** Turn 4th right in to **Turner St,** and 4th right in to **Harwood St.** at the end Turn left in to **Wheatley St** and right in to

OFF: **Woods Lane.** Turn right in to **Claypit Lane.**

ON : **Junction with Turner Street** At the end turn right into

OFF: **Dudley St** and at the end turn left into Carters Green.

ON: At **Albion roundabout,** circle the roundabout and return along **Carters Green** and at the traffic signals turn left into **Sandwell Rd,** at **Bratt Street** turn around and return to traffic signals at junction with High St. Turn left onto **High St** and turn next left into **Lombard St.** At the end turn right into **Bratt St** and turn left onto

OFF: **Cronehills Linkway** and second exit at roundabout onto **Congregation Way,** turn right at next roundabout to continue along **Congregation Way.** At next roundabout turn left on to **Reform Street,** continue in to Seagar Street then turn left in to

ON: **St. Clements Lane,** continue in to **Lyndon** then at end turn right on to **All Saints Way.** At lights turn left in to **Wilford Road** then 1st left in to **Lily Street.** bear right at the junction into **Peel Street** at the junction turn right onto **Ruskin Street,** follow **Ruskin Street** all the way around the outside loop coming back on yourself then turn left on the mini island and then right back onto **Ruskin,** then turn left into **Shaftesbury Street.** Turn left on to **High Street.** Go through signals and turn right into **Lodge Rd.** At the end turn right into **Oak Rd** and turn left into **Cambridge St** and at the end turn right onto

OFF: **Bromford Lane.** continue to **Bromford Road**

ON: **Sandwell and Dudley train station**

OFF: **Freeth Street island** return to depot

Route R5

Last Reviewed
Last Revised

September 2020
July 2018

[ILO: UNCLASSIFIED]

ROUTINE PRESALTING - WHOLE NETWORK - ROUTE R6

OFF: **Leave depot**, turn left at roundabout onto **Brades Rd** and turn second left into **St James Rd** and at the end turn left into **Bury Hill Rd**. At the traffic signals turn left onto **Wolverhampton Rd**. ON: Turn right into **Newbury Lane** continue to Four Ways and turn right into **Portway Hill** Turn second right into **Midhill Drive**, follow round and at the end turn right onto **Portway Hill** and continue into **Oakham Rd**.

OFF: **Miles grove** At the end turn left into **Buffery Rd** and turn left into **New Rowley Rd** into **Dudley Rd** ON: **Uplands Road** and turn third right into **Springfield lane**. At the bottom turn right into **Blackberry Lane** and at the top turn right onto **Dudley Rd**. Turn fourth left into **Tippity Green** into **Portway Rd** into **Newbury Lane** and turn fourth right into **Martley Rd** into **Hartlebury Rd** and turn left into **Shelsley Avenue**. At the end turn right onto **Throne Rd** and at the traffic signals turn left onto **Portway Rd**. Turn next left into **Hanover Rd** and at the end turn left into **Rowley Village**. At the roundabout, turn right into **Siviters Lane** into **Ross**, cross over traffic signals into **Holly Rd** and **Highfield Rd**. Turn right into **Perry Park Rd** into **Waterfall Lane** and turn right into **Station Rd**. At roundabout, turn right onto **Heathfield Way** and at next roundabout, turn left onto **Highgate St**. At next roundabout turn right into **Halesowen Rd** to borough boundary,

OFF:(**mouse sweet brook**) continue to traffic lights and turn right into **Cole St**. Turn third right into **Oak St** and right onto **Withymoore Rd** continuing into **Gawne lane** ON:(**Brooklands Drive**), **Powke Lane**, continuing over roundabout into **Powke Lane** and over traffic signals into **High St**. Continue into **Henderson Way** and turn 1st right between the car parks into **Beet St**. Turn right onto **High St** and at the end turn right onto **Henderson Way**. At the roundabout, turn right into **Birmingham Rd** and at the next roundabout continue into **Long Lane**, cross boundary

OFF:(**By Church**) and at roundabout u-turn around returning along **Long Lane** ON:(**By Church**). At the traffic signals turn right into **Archer way**, at the traffic signals turn left into **Oldbury Rd** continue to roundabout and take 2nd exit into **Halesowen Street**. Continue to 2nd roundabout and return towards Blackheath, bear left on to **Bassano Road**, and turn right on to **High Street**. Take the 1st exit of the traffic island into **Birmingham Road** and 1st exit at the next island onto **Henderson Way**, take a left on to **Beet Street** then left on to **High Street**. At roundabout turn left in to **Birmingham Road** then at roundabout continue over in to **Birmingham Road** into **Rowley Village**, **Hawes Lane** and **Dudley Road** Turn third left into **Doulton Rd** and at the bottom turn left into OFF: **Powke Lane**. Turn right into

ON: **Cox Lane** and at the bottom turn left onto **Halesowen Rd**. At roundabout turn left into **Highgate St**, continue over next roundabout into **Highgate St** and turn right into **Wrights Lane**. At the end turn left onto **Station Rd** and turn right into **Beauty Bank**, turn right in to **Halesowen Road**, left in to **Harcourt Road**, 2nd left on to **Trejon Road**, right on to **Barrs Road** turn left on the island to **Corngreaves Road** and into **Overend Rd**. Turn around after boundary and return along **Overend Rd**. Turn 1st right into **Corngreaves Rd** and turn around by **Corngreaves Hall** after boundary returning along OFF: **Corngreaves Rd**. Turn right into ON: **Timber tree Crescent** and turn left into **Valley Rd**. At the end turn left onto OFF: **Barrs Rd** and at the roundabout turn right into ON: **Corngreaves Rd** and into **Graingers lane**. At the end (5 ways) turn left into **Cradley Rd** and continue over boundary turning right into

OFF: Lyde Green Rd into Maypole Hill into Cradley Forge. Turn right into ON: Forge Lane. Continue into Lower High St turn left at the lights into St Annes Road , turn around at the mini island and return along St Annes Road , bear left onto Foxoak St, and at the lights turn left into Newtown Lane ,turn around by the holybush and return along Newtown Lane turn left at the lights ,and turn 3rd right onto Lawrence Lane continue on into Beechwood Road and at the end turn left onto Halesowen Road , at the island take the 1st exit continuing on Halesowen Road,

at the island take the 1st exit onto Reddall Hill Road and on to Upper High Street . At the lights bear left into High Street.(short section)At the junction turn right into Newtown Lane and at the lights turn left onto Foxoak Street. at the next set of lights turn left into Cradley Road and next right at five ways .at the junction turn left onto Lower High Street and first left into Chester Road continue across the junction into Station Street .at the junction turn left onto Graingers Lane.

At the traffic lights (five ways) turn right into High Street. At the junction turn right into Corngreeves Road to the bottom and turn left continuing along Corngreeves Road and turn left into Surfeit Hill into Codsall Rd, turn right in to Trejon Road, left into Barrs Road, at lights turn left in to Halesowen Road. At the roundabout, turn right into Station Rd. Turn second left into OFF: Wrights Lane and at the end turn right into

ON: Garratts Lane and at the roundabout take 2nd exit into Harvest Rd. At the end turn right into Knowle Rd and turn left into Doulton Rd. Turn third left into Cornfield Rd and turn left into Knowle Rd. Turn right into Harvest Rd and at the roundabout turn left into Moor lane continuing left into Siviters Lane. At the roundabout turn right into Rowley Village and turn left into Bell End and turn right into Britannia Rd. At the traffic signals turn left onto Oldbury Rd and at the next traffic signals turn right into

OFF: Penncricket Lane. At the end turn right onto ON: Cakemore Rd and at the roundabout turn right into Station Rd. At the traffic signals turn left onto Oldbury Rd, turn left into archer way into Horner Way and at roundabout, make u-turn and return along Horner Way and OFF: Archer Way. At over traffic signals turn left into Oldbury Rd across the island in Blackheath and at the 2nd roundabout continue into ON: Halesowen St. Continue over traffic signals into Gorsty Hill and turn second right into Station Rd. Turn 2nd left into High Haden Rd bear right into High Haden Crescent and turn right into High Haden Rd. At the bottom turn right onto Halesowen Rd, continue over traffic signals and at roundabout, circle roundabout and return along Halesowen Rd continuing to Haden Hill Road.

OFF: Junction of the Crescent At traffic signals turn left into Coombs Rd, Take the first Left into ON: Longleat Road Take the third left into Chatsworth Road continue all the way round to the junction with Lodgefield road and Turn Left. Continue to Station Road and turn Right turn right onto Gorsty Hill Road and first right back into Station Road continue to waterfall lane and turn right on to Waterfall Lane, bear left into Waterfall Lane. At the end cross over Highfield Rd into Beeches Rd and turn right into Marlowe St and turn right into Highfield Rd continuing into Holly Rd. At traffic signals turn right onto

OFF: High St into Henderson way and over roundabout into Henderson Way. At traffic signals turn left into Oldbury Rd. At traffic signals turn left into Britannia Rd and at the end turn right into ON: Bell End into Mincing Lane. At traffic signals continue into OFF: Penncricket Lane, bear left in to ON: Penncricket Lane and at the end turn left into Causeway Green Rd. Turn left into Ashes Rd into Titford Lane and cross over traffic signals into Throne Rd. Turn fifth left into Throne Crescent into Stuart Rd and at the end turn left onto Hanover Rd. At the end turn right onto Hawes Lane, take the second right into Tippity Green and return to the depot.

Route R6

Last Reviewed

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Last Revised

July 2018

ROUTINE PRESALTING - WHOLE NETWORK - ROUTE R7

ON: Continue over roundabout into Rounds Green Road and at Oldbury Ringway turn left. At next roundabout, circle the roundabout and return along Oldbury Ringway, continue over next roundabout and at the next roundabout turn right into Churchbridge. Continue to Birchley roundabout and turn second exit onto Wolverhampton Road (towards Birmingham). Continue to Hagley Road West traffic signals, continue over and turn right through central reserve and return along Wolverhampton Road. Continue onto Birchley roundabout and take the 4th exit onto Churchbridge. At roundabout turn left onto Oldbury Ringway and the next roundabout, circle the roundabout and return along OFF: Oldbury Ringway. Continue over ON: the next roundabout and turn first right into Seven Stars Road, continue along park Lane. Turn left onto Park Lane and continue into Station Road. Turn Left before the level crossing into Western Road. At The end turn Right onto Tat bank road. At the traffic lights Turn Right onto rood end Road. Continue to the Traffic island and take the third exit into cross wells Road.

Turn Left before the level crossing into Thompson Road and at the end turn right into New Henry Street. Turn next right into Langley Green Road continuing into Langley High Street, Broad Street and Old Park Lane. At the end turn right into Station Road, bear right on the gyratory and turn left into Tilford Road. Continue over Wolverhampton Road into Tilford Road and at the end turn right into Ashes Road. Turn next left into York Road and at the end turn right into Penncricket Lane. At the traffic signals turn right into Oldbury Road and continue to Birchley roundabout. Circle the roundabout and return along Oldbury Road, continue over traffic signals at Titford Lane and at next traffic signals turn left into Penncricket Lane at the end turn left into Cakemore Road and turn second right into Pound Road.

Continue over Wolverhampton Road continuing along Pound Road and at the roundabout, take second exit onto Bristnall Hall Road and turn second left into Brookfields Road. At the end turn left into Vicarage Road and turn left into Moat Road. At the roundabout, take third exit into Brandhall Road and at the end turn left onto OFF: Wolverhampton Road. Turn second left into ON: Broadway and at the roundabout turn left onto Pottery Road. At the roundabout take second exit onto George Road and at the roundabout turn left into

OFF: Brandhall Road and turn left onto Wolverhampton Road. Turn right into ON: Queensway and turn second right into Malvern Road. At the end turn left onto Tame Road and at the traffic signals turn right into Kingsway and turn fourth right into Aspley Road. At the end turn right into OFF: Kingsway. ON: Aspley Road At the end turn left onto OFF: Hagley Road West, at THE roundabout and take second exit down the ON: slip to Hagley Road West then take the first left onto Perry hill Road. Turn third left into Brennand Road and at the end turn left onto

OFF: Queensway. ON: Junction of Malvern Road At the traffic signals turn right into Tame Road and turn fourth left into Oldacre Road. At the end turn right onto Kingsway and turn second left into Lewis Road. At the end turn right into Perry Hill Lane and turn left onto Hagley Road West. at the roundabout continue OFF: Hagley Road West and take the second left into ON: Stanley Road and take the 4th left into Castle Road West and turn next right into Bleakhouse Road. At traffic signals,

crossover Wolverhampton Road and turn second right into OFF: **Broadway**. At roundabout turn right into ON: **Pottery Road** and bear right by the Pheasant continuing up **Pottery Road** turn left into **Harborne Road**. Turn right into **Abbey Road**. Turn fourth right into **Wigorn Road** and turn third left into **St Marys Road**. At the end turn right onto **Bearwood Road**. At the traffic signals turn right onto **Hagley Road West** and continue through the traffic signals until the roundabout at Quinton Lane (Jefferson's), turn around and return along **Hagley Road West**. Continue over traffic signals and at next traffic signals turn left into

OFF: **Bearwood Road**. ON: **St Marys Road Junction** At traffic signals turn left into OFF: **Three Shires Oak Road**, turn right on to **Thimblemill Road**, at the island take the 1st exit on to **Norman Road** then turn left on to ON: **Alexander Road**. Turn left on to OFF: **Abbey Road**, turn Right into ON: **Barclay Road** continue to **Lightwoods Hill** and Turn Left, go around the traffic island and return up OFF: **Lightwoods Hill**. Turn Right Back into **Barclay Road** and Take the 1st Right into upper ON: **St Marys road**, then right on to **Wigorn Road**. Go straight over the roundabout at OFF: **Lightwoods Hill** ON: **Junction with Barclay Road** and take second left into **Harborne Road** and second left into **Devon Road**. At the end turn right into **Beechwood Road** and turn left onto OFF: **Hagley Road West**.

Turn next left into ON: **Galton Road** and turn right into **Lightwoods Hill** and continue over roundabout into **Adkins Lane**. At end turn left onto **Bearwood Road** and turn left in to **Anderson Road**. Turn left in to **Herbert Road** to OFF: **Adkins Lane**. Turn left on to **Bearwood Road**, third left into **St Marys Road**. Turn left into ON: **Lightwoods Road**, turn left onto OFF: **Adkins Lane**, left onto **Bearwood Road**, turn third left into **St Marys Road** and second left into ON: **Milcote Road** then turn right on to OFF: **Adkins Lane**, continue in to **Lightwoods Hill** and **Harborne Road** ON: **Junction of Beechwood Road** and turn fourth left into **Pottery Road**. Turn right into **Abbey Road** and next right into

OFF: **Harborne Road**. Turn fourth right into ON: **Castle Road East** and at the end turn left on to OFF: **Wolverhampton Road**. Turn right in to ON: **Castle Road West**, turn right on to **Albert Road**. Turn left on to OFF: **Wolverhampton Road** then right at lights into ON: **Bleakhouse Road**. Continue to roundabout and turn right in to OFF: **Pottery Road**. Turn right at roundabout onto **Broadway** then 1st left in to ON: **Clent Road**. Continue over OFF: **Wolverhampton Road** in to **Albert Road** then turn 1st right in to **Castle Road West**. Turn left in to **Perry Hill Road** then turn right in to ON: **Tame Road**.

At the lights turn left into **Kingsway** and first right behind coop into **Foley Drive**, at the lights turn left into **Tame Road** Continue along **Tame Road** under the OFF: **bridge** and turn right into **Lansdowne Road** under the (ON): **bridge** into **Grafton Road**. At the end turn right into **Causeway Green Road** continuing over **Wolverhampton Road** into **Causeway Green Road** into **New Henry St**, turn right on to **Langley Road** into **Farm Road** to end then turn right on to

OFF: **Pound Road**. Continue over **Wolverhampton Road** in to **Pound Road** and turn left on to ON: **Brook Road**. Turn right in to **Heron Road**, left on to **Ferndale Road**, right on to OFF: **Grafton Road**. At end turn right on to **Causeway Green Road**,

continue over Wolverhampton Road into Causeway Green Road, in to New Henry Street, ON:Joinings Bank and Vicarage Road. At the roundabout, continue OFF: Vicarage Road. and at the traffic signals turn left into Tatbank Road turn left into Western Road, at the junction turn right into Park Lane ,at gyratory. Continue into Park Street and at the traffic signals turn left onto Churchbridge. At Birchley roundabout turn right onto Wolverhampton Road. At traffic signals turn right into ON: Portway Road and return to Depot.

Route R7

Last Reviewed

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ROUTINE PRESALTING - WHOLE NETWORK - ROUTE R8

ON: Turn right into **Taylors Lane**. At roundabout turn right into **Shidas Lane** and at roundabout turn right into **Portway Road**. At the traffic signals turn left onto **Wolverhampton Road** and at Birchley roundabout, circle the roundabout and return along **Wolverhampton Road** to Burnt Tree signals go straight across and turn through the central reservation at Coneygree. Return along **Wolverhampton road** and.. Turn left into **Portway Road** and continue over roundabout into **Portway Road**. At the end turn left onto **Churchbridge** and at the roundabout turn right onto **Oldbury Ringway** continue to **Birmingham Road**, **Oldbury Road**, **Tollhouse Way** and **Soho Way**, circulate roundabout at **Windmill Lane** and return along **Soho way**, **Tollhouse Way**, **Oldbury Road** and **Oldbury Ringway**. At Churchbridge roundabout turn right into **Halesowen Street**, continue over roundabout into **Church Street** and at the next roundabout, circle the roundabout and return along **Church Street**. At the next roundabout, turn left into **Birmingham Street** and at the end turn right onto **Oldbury Ringway**. Turn left into **Stone Street**, continue into **Tat Bank Road** and cross the traffic signals into **Warley Road**. Turn left on to **St Johns Road**, turn right into **Victoria Road**, turn left in to **Holly Lane**, turn left onto **West Park Road**, continue to **Mallin Street** to Oldbury Road. At roundabout u-turn back in to

OFF: **Mallin Street** and continue over signals into **West Park Road**. At the end turn left into ON: **Holly Lane** and at the end turn right into **St Pauls Road** continuing into **High Street**. Turn fifth right into **Stony Lane** and left onto **Church Hill Street**, at end turn around and return along **Church Hill Street**. Turn left onto **Stony Lane** continuing into **Londonderry Lane**, cross the traffic island at **Manor Rd** then turn right into **Francis Road**. Turn right on to **Manor Rd** then 1st right in to **Shakespeare Road**. Turn left in to **Francis Road** then right in to **Londonderry Lane**. At roundabout turn left into **Queens Road** and immediate left turn into **Thimblemill Road**.

Turn second left into **Hales Lane**, continue over roundabout and turn right into **The Uplands**. At the end turn left into **Church Road**, circulate the roundabout and return into **Manor Road** and at the roundabout turn right into OFF: **Hales Lane**. Turn left into ON: **The Uplands** and second left into **Londonderry Lane** and right (short section to **Stony Lane**). At the end turn left into **Stony Lane** and turn left into **Londonderry Lane**. Turn right into **Taylors Lane** and at the end turn left into **The Uplands**. Turn right into **Londonderry Lane** and continue to **Coopers Lane**. Turn left at the traffic signals into OFF: **High Street** and left onto **Tollhouse Way**. At traffic signals turn right in to **Rolfe Street**, turn right in to

ON: **Hill Street** (one way section) take 1st right on to one way section back on to **Rolfe Street**. Turn left back on to OFF: **Rolfe Street**. At end ON: turn left and return along **Tollhouse Way** turning right into **High Street**. Turn right into **High Street** then left in to OFF: **Stoney Lane**. Turn right in to ON: **Devonshire Road**, turn left into OFF: **Holly Lane**. Continue over roundabout into ON: **Basons Lane** and turn left onto **Dog kennel Lane**. Turn left on to **Londonderry Road**, turn right on to **Queens Road**, turn left onto OFF: **Thimblemill Road**, turn right onto ON: **William Road**, turn left onto **Harold Road**, turn left on to **The Oval**, turn left onto **Goodyear Road**, turn right onto **Broadmoor Avenue**.

Continue straight over Hurst Road into **Salop Road**, go straight over mini roundabout onto **Bristnall Hall Road** then turn right at roundabout onto OFF: **Londonderry Road**. ON: Turn right onto **Queens Road**, continue in to **Hurst Road** then turn right into **Eva Road**, continue over **Salop Road** into **Hill Top Road**, continue left at mini-roundabout into **Hill Top Road**. At end turn right into **George Road** and, then 2nd right into **Sandfields Road**, at the mini island turn right back into Hill Top Road , at the end turn left into **Pottery Road** and then left into **Pottery Road**. Turn left into **Edmonds Road** and at end turn left into **Salop Road**.

At roundabout turn right into **Bristnall hall Lane** and at roundabout, turn right into **Hurst Road**. Circulate Salop Road triangle back turning right onto **Hurst Road**, continue over roundabout then turn right onto **Abbey Road**. Bear right in to **Pottery Road** then at roundabout turn right into **Norman Road** and continue over roundabout into **Stanhope Road**, turning first right into **Beakes Road**. Turn left into **Bearwood Road** and at traffic signals bear left **Bearwood Road**, turn third right at the lights into **Grange Road** and at the roundabout turn left onto **Waterloo Road**. Turn third right into **Shireland Road**, turn left onto **Montague Road** then turn left onto **Cape Hill**. bear right over the lights to **Newlands green**, bear left on to **Newlands Green**, and turn left on to **Bearwood Road**, turn left on to **Grange Road**. At roundabout go straight over then turn right into **Sycamore Road**, perform u-turn at junction with **Poplar Avenue** and return down **Sycamore Road**. Turn left in to **Grange Road** then at roundabout turn left on to **Waterloo Road**.

Continue over signals in to **Bearwood Road**. Turn right in to **Three Shires Oak Road**, turn right on to **Thimblemill Road**, At the roundabout turn right into **Stanhope Road** continuing over roundabout into **Cheshire Road** and at the end turn right into **High Street** bear right into **Newlands Green** and bear right back towards **High Street**. At traffic signals continue into **High Street** and turn left into **High Street**. Turn right in to **Fenton Street**, turn left at roundabout in to **Oldbury Road**. Turn 1st left in to **Holly Lane**. Turn right on to **St. Pauls Road** into **Cemetery Road** into **Rood End Road** and into **Vicarage Road**. At the roundabout, turn left into **Dog kennel Lane** and take second left into **Basons Lane** and turn right into **Warley Road** and at the roundabout continue into **Thimblemill Road**. At roundabout turn left into

OFF: **Stanhope Road**, then first right into **Beakes Road**. At the end turn left onto **Bearwood Road** and turn fourth left into **Church Road**. Continue over the roundabout into ON: **Church Road** over the roundabout into **Manor Road**. Turn left at roundabout in to **Basons Lane**, turn 1st left in to **Queens Road**, at the roundabout take the third exit on to **Warley Road**. Turn third right into OFF: **St. Johns Road**, turn left into ON: **Victoria Road**. At the end turn left into **Cemetery Road** and turn right into **Rood End Road**. OFF: **Turn left onto Birmingham Road**.

Return to depot.

Route R8

Last Reviewed

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[ILO: UNCLASSIFIED]

APPENDIX D

FOOTWAYS

Hierarchy Category 1(a) Prestige Areas

Footways - Hierarchy Category 1(a) Prestige Areas

Description	Town
BIRMINGHAM ST FM RBT HALESOWEN ST TO OLDBURY R/WAY	Oldbury
HALESOWEN ST FM RINGWAY RBT TO RBT AT BIRMINGHAM ST	Oldbury
BIRMINGHAM RD FM RBT LONG LANE TO RBT HENDERSON WAY	Rowley Regis
HALESOWEN ST FM RBT OLDBURY RD TO BASSANO RD	Rowley Regis
HALESOWEN ST FM BASSANO RD TO RBT CAR PARK ENT	Rowley Regis
HIGH ST FM CORNGREAVES RD TO CRADLEY RD	Rowley Regis
HIGH ST FM C/L BASSANO RD TO HENDERSON WAY	Rowley Regis
HIGH ST FM BASSANO RD TO RBT OLDBURY RD	Rowley Regis
LONG LN FM RBT MARKET PLACE TO ARCHER WAY	Rowley Regis
OLDBURY ROAD FM HENDERSON WAY TO BIRMINGHAM ROAD	Rowley Regis
BEARWOOD RD FM THREE SHIRES OAK RD TO HAGLEY RD	Smethwick
CAPE HILL FM MONTAGUE RD TO SHIRELAND RD	Smethwick
HIGH ST FM END DCW A4030 TO WHITE RD	Smethwick
ST PAULS RD FM WHITE RD TO FENTON ST	Smethwick
BREWERY ST CDS FM HIGH ST TO END	Smethwick
BREWERY ST CDS FM CHURCH HILL ST TO END	Smethwick
GREAT BRIDGE FM C/L CANAL BGE TO C/L RIVER BGE	Tipton
MARKET PLACE GT BGE FM C/L RIVER TAME BGE TO RBT NEW RD	Tipton
MARKET PLACE GT BGE FM MARKET PLACE NR PH TO DCW	Tipton
MARKET PLACE BUS STATION LN 1 HORSELEY HEATH TO MKT PL	Tipton
UNION ST FM CAMPHILL LN TO MARKET PL	Wednesbury
MARKET PL FM WALSALL ST TO LOWER HIGH ST	Wednesbury
MARKET PL FM O/S 21 TO RIDDING LN 1W	Wednesbury
UPPER HIGH ST FM WALSALL ST TO HIGH BULLEN	Wednesbury
HIGH ST DUCHESS PARADE FM R/WAY TO C/L COVERED WAY	West Bromwich
HIGH ST PRINCESS PARADE FM C/L COVERED WAY TO R/WAY	West Bromwich

APPENDIX E

SALT BIN LOCATIONS

Last reviewed August 2019

Street	Town	Location
Abbey Crescent	Oldbury	opposite No 53
Abbotsford Avenue	Great Barr	junction Willow Road
Addenbrook Road	Smethwick	outside No 11 / 13
Addenbrook Way	Tipton	opposite No 26
Addenbrook Way	Tipton	outside No 3
Addenbrook Way	Tipton	outside No 39
Addison Terrace	Wednesbury	opposite Gregory Close
Aldridge Road	Oldbury	junction Queensway
Aldridge Road	Oldbury	junction Bodenham Gardens
Allendale Grove	Great Barr	opposite No 4
Anderson Crescent	Great Barr	by No 32 / 34
Anderson Crescent	Great Barr	junction Greenhill Gardens
Appleton Avenue	Great Barr	outside Red Admiral Pub
Appleton Avenue	Great Barr	outside No 2
Ardav Road	West Bromwich	opposite No 20 (Two Bins)
Arthur Harris Close	Smethwick	junction Montague Road
Arthur Harris Close	Smethwick	junction Arthur Harris Close
Arundel Drive	Tividale	opposite No 27
Ascot Close	Rowley Regis	junction Newbury Lane
Ashleigh Road	Tividale	outside No 32 / 34
Aston Road	Tividale	junction Pine Road
Baker Street	Tipton	by No 20
Barncroft Road	Tividale	opposite No 69
Barncroft Road	Tividale	opposite Barncroft Road cul-de-sac
Barncroft Road	Tividale	junction Regent Road
Barncroft Street	West Bromwich	opposite No 59 / 61
Barnford Crescent	Oldbury	on bend near No 58
Barnford Hill Close	Oldbury	junction Moat Road
Barnford Hill Close	Oldbury	side of No 56
Barrs Crescent	Cradley Heath	halfway up hill
Barrs Road	Cradley Heath	outside Fire Station
Barrs Road	Cradley Heath	junction Lee Road
Barston Road	Oldbury	outside No 63
Bartleet Road	Smethwick	junction Manor Road
Bartleet Road	Smethwick	on bend outside No 19
Beaconview Road	West Bromwich	outside "The Spinney"

Beaconview Road	West Bromwich	near lamppost No 1
Bearwood Road	Smethwick	junction Church Road
Beaumont Road	Wednesbury	junction Manor House Road
Beeches Road	West Bromwich	by Expressway opposite Herbert St
Beeches Road	West Bromwich	by Trinity Way outside No 120
Berkshire Close	West Bromwich	jct Denbeigh Drive
Berkshire Close	West Bromwich	outside No 63
Bilhay Lane	West Bromwich	outside No 71 / 73
Birch Crescent	Tividale	near Elm Terrace
Birch Crescent	Tividale	near Packwood Road
Birch Road	Oldbury	junction Birch Lane
Birch Road	Oldbury	junction Hagley Road West
Birchley Park Avenue	Rowley Regis	junction Wolverhampton Rd
Birkdale Drive	Tividale	by lamppost No 2
Birmingham Road	West Bromwich	either side A41 footbridge
Blackthorne Road	Smethwick	junction Thimblemill Road
Blue Bell Road	Cradley Heath	opposite No.26
Bluestone Walk	Rowley Regis	by lamppost No. 6 at rear of No's 35/37 Portway Hill
Bluestone Walk	Rowley Regis	outside No 19
Blythfield Avenue	Great Barr	junction Longleat
Bodenham Road	Oldbury	junction Mavis Gardens
Bodenham Road	Oldbury	junction Aldridge Road
Bond Street	Rowley Regis	outside No 17
Boscobel Road	Great Barr	junction Packwood Drive
Bowden Road	Smethwick	outside No 97 / 99
Bramah Way	Tipton	junction New Road
Brandhall Road	Oldbury	junction George Road
Brasshouse Lane	Smethwick	on bend near steps
Brecknock Road	West Bromwich	outside MEB sub-station
Bridge Street	West Bromwich	opposite No 39 / 40
Bridle Grove	West Bromwich	at end of cul-de-sac
Bristnall Hall Crescent	Oldbury	opposite No 28
Bristnall Hall Lane	Oldbury	near School entrance
Britannia Street	Tividale	opposite "Barnshaws"
Broadmoor Avenue	Smethwick	opposite cul-de-sac
Broadway Croft	Oldbury	end of service road
Brookes Close	Tividale	in turning area

[ILO: UNCLASSIFIED]

Brookes Meadow	Tipton	junction Lower Comball
Broomhill Lane	Great Barr	opposite No 8
Buckingham Road	Rowley Regis	next to MEB sub-station
Bullfields Close	Rowley Regis	junction Hyatts Walk
Burmese Way	Rowley Regis	junction Dudley Road
Burns Close	Smethwick	on bend
Bury Hill Road	Tividale	opposite St James Road
Caddick Crescent	West Bromwich	opposite No 1 / 2
Caddick Crescent	West Bromwich	opposite No 27 / 28
Caldwell Street	West Bromwich	10m down from No 71
California Road	Tividale	junction Fairway Avenue
Calverton Grove	Great Barr	opposite No 103
Camp Street	Wednesbury	by lamppost No 8
Camp Street	Wednesbury	on bend
Camp Street	Wednesbury	outside car park to Farmfoods
Capener Road	Great Barr	opposite No 16
Castle Road West	Oldbury	outside MEB sub-station
Charlemont Avenue	West Bromwich	outside No 30
Charlemont Avenue	West Bromwich	outside No 9 / 11
Chatsworth Avenue	Great Barr	by No 27 / 29
Cherry Orchard	Cradley Heath	by lamppost No 5
Chestnut Road	Oldbury	outside No 64
Chudleigh Grove	Great Barr	junction Kirkstone Crescent
Church Hill	Wednesbury	opposite No 36
Church Hill Street	Smethwick	opposite Lowry Close
Church Road	Smethwick	junction Church Gardens flats
Churchfields Road	Wednesbury	junction Vicarage Road
City Road	Tividale	in lay by
City Road	Tividale	outside No 377
Clent Hill Drive	Rowley Regis	near lamppost No 6
Clifford Road	West Bromwich	outside No 73 / 75
Clifford Road	West Bromwich	junction of Westbourne Road
Clun Close	Tividale	junction Red Lion Close
Coneygree Industrial Estate	Tipton	outside Unit No 29
Coneygree Industrial Estate	Tipton	outside Unit No 3
Coneygree Industrial Estate	Tipton	opposite Unit No 37
Coombe Hill	Cradley Heath	opposite No 12

Coombe Hill	Cradley Heath	by Lansbury Green
Coppice Road	Cradley Heath	junction Spring Crescent
Corngreaves Walk	Cradley Heath	opposite No 1
Cricketers Meadow	Cradley Heath	near Haden Park Road
Crookhay Lane	West Bromwich	junction Chester Road
Cumberland Road	Oldbury	opposite No 10
Cumberland Road	Oldbury	outside No 36
Cygnets Road	West Bromwich	by alleyway opposite No 11
Dane Terrace	Rowley Regis	outside No 26
Danford Way	Great Barr	junction Valarie Grove
Danford Way	Great Barr	junction Tanhouse Avenue
Danford Way	Great Barr	junction Chatsworth Avenue
Darbys Hill Road	Tividale	outside School
Dawson Street	Smethwick	junction Dale Street
Delville Road	Wednesbury	on bend
Delville Road	Wednesbury	side of No 5 Delville Terrace
Denbigh Drive	Wednesbury	junction Trotters Lane
Denbigh Drive	West Bromwich	outside No 71
Denbigh Road	Tipton	by lamppost No 2
Devon Crescent	West Bromwich	junction Sussex Avenue No 33
Devon Crescent	West Bromwich	junction Sussex Avenue No 51
Devonshire Drive	West Bromwich	junction Reform Street
Devonshire Road	Smethwick	side of No 126
Dibble Road	Smethwick	side of No 162
Dingle Avenue	Cradley Heath	outside No 1
Doulton Drive	Smethwick	opposite No 47 / 49
Doulton Road	Rowley Regis	by crossing point
Druids Avenue	Rowley Regis	outside No 45
Dudhill Road	Rowley Regis	opposite School
Dudley Close	Rowley Regis	junction Dudley Road
Duke Street	Rowley Regis	junction Powke Lane
Eagle Street	Tipton	adjacent No 28
Eastwood Road	Great Barr	end of cul-de-sac
Eastwood Road	Great Barr	vicinity of 94 / 96
Eden Grove	West Bromwich	by parking bays on bend
Edgbaston Road	Smethwick	junction High Street
Edinburgh Road	Oldbury	opposite No 73

Elm Croft	Oldbury	junction Oak Road
Embassy Road	Tividale	on bend
Enfield Road	Rowley Regis	junction Bell End
Ennerdale Road	Great Barr	outside No 45 / 47
Ethel Street	Smethwick	junction Thimblemill Road
Falcon Place	Tividale	junction Tower Road
Farm Road	Oldbury	junction Langley Green Road
Farm Road	Rowley Regis	junction Fallowfield Road
Firs Lane	Smethwick	junction Coopers Lane
Foley Drive	Oldbury	junction Kingsway
Foxes Ridge	Cradley Heath	opposite No 3
Frank Fisher Way	West Bromwich	next to traffic island
Freda Rise	Tividale	junction Hilton Road
Gadds Drive	Rowley Regis	junction Throne Crescent
Gale Walk	Rowley Regis	junction Springfield Lane
Garratt Street	West Bromwich	near top on left hand side
Garratts Lane	Cradley Heath	by C.M.T Ltd
George Road	Oldbury	junction Colman Crescent
George Road	Oldbury	junction Siskin Close
George Road	Oldbury	opposite No 58
Gladys Road	Smethwick	junction Thimblemill Road
Gleneagles Drive	Tividale	top of cul-de-sac
Goldby Drive	Wednesbury	junction Old Park Road
Goodwyn Avenue	Oldbury	by lamppost No 1
Goodyear Road	Smethwick	junction The Oval opposite No 14
Gorse Farm Road	Great Barr	near no 63
Grace Road	Tividale	junction Ashleigh Road
Grace Road	Tividale	junction Mount Road
Granville Road	Cradley Heath	by garages
Green Lane	Great Barr	junction Heather Road
Greswold Street	West Bromwich	on bend near Milton Street
Grove Vale Avenue	Great Barr	junction Newton Road
Haden Park Road	Cradley Heath	junction Barrs Road
Haden Park Road	Cradley Heath	junction Timbertree Road
Haden Park Road	Cradley Heath	on corner by No 35
Hadendale	Cradley Heath	outside No 3
Hailston Close	Rowley Regis	junction Wendover Road

Hailstone lose	Rowley Regis	corner Springvale Road
Hales Crescent	Smethwick	on grassed area
Hales Crescent	Smethwick	outside No 91 / 93
Hamilton Road	Smethwick	junction Alexander Road
Hamilton Road	Smethwick	on the bend
Hampshire Road	Wednesbury	junction Surrey Crescent
Hamstead Road	Great Barr	opposite No 68
Hamstead Road	Great Barr	on splitter island
Hanover Road	Rowley Regis	outside No 124
Harcourt Road	Wednesbury	junction Delville Road
Hardwick Drive	Cradley Heath	outside No 27
Hardy Road	Wednesbury	junction Vicar Street
Hardy Road	Wednesbury	outside No 1 / 3
Harewood Avenue	Great Barr	on bend
Harlech Close	Tividale	at end of cul-de-sac
harrington croft	West Bromwich	outside No 10
Harvest Road	Smethwick	on bend
Harwood Street	West Bromwich	next to pathway side of No 5
Hawfield Road	Tividale	junction School Close
Hawthorn Croft	Oldbury	junction Hagley Road West
Haypits Close	West Bromwich	at end of cul-de-sac
Hayseech	Cradley Heath	junction Haden Close by No 48
Hembs Crescent	Great Barr	junction Stanton Road
Hembs Crescent	Great Barr	side of No 26
Higgs Field Crescent	Rowley Regis	outside No 19 Terrace St
Higgs Field Crescent	Rowley Regis	junction Waterfall Lane
High Avenue	Cradley Heath	by grass area on hill
High Haden Road	Cradley Heath	outside No 59 / 61
High Street	Smethwick	footbridge near to steps
Highbury Avenue	Rowley Regis	side of No 22
Highbury Road	Oldbury	junction Thompson Road
Highcroft	Great Barr	outside No 6
Highfield Crescent	Cradley Heath	opposite No 1 Walton Avenue
Highfield Road	Smethwick	junction Westfield Road
Hill Lane	Great Barr	outside No 2
Hillbank	Tividale	junction Ash Tree Road
Hillcrest Road	Great Barr	junction Whitecrest

Hillfield Walk	Rowley Regis	side of 47 Royal Oak Road
Hillfields	Smethwick	junction Thimblemill Road
Hillside Avenue	Cradley Heath	outside No 16
Hillside Road	Great Barr	junction service road
Hobhouse Close	Great Barr	corner Hobhouse Close
Hodges Drive	Tividale	junction Wakeman Drive
Hodges Drive	Tividale	outside No 15 / 17
Hollies Drive	Wednesbury	outside No 5A
Hollywood	Great Barr	side of No 26
Hopkins Drive	West Bromwich	outside No 59
Hopkins Drive	West Bromwich	outside No 35
Howard Street	West Bromwich	half way down street
Hoylake Drive	Tividale	junction Sunningdale Drive
Hugh Road	Smethwick	junction Auckland Road
Ingestre Drive	Great Barr	top of cul-de-sac
Ivy House road	Rowley Regis	outside No 44
James Watt Street	West Bromwich	outside No 48
Jayne Close	West Bromwich	junction Walsall Road
Jill Avenue	West Bromwich	outside No 13
Jonah Drive	Tipton	opposite No 34
Katherine Road	Smethwick	outside No 118
Keir Road	Wednesbury	side of No 171 Crankhall Lane
Kendal Rise	Oldbury	junction Moat Road
Kenilworth Road	Oldbury	junction Castle Road West
Kiln Croft	Rowley Regis	junction Doulton Road
Kiniths Crescent	West Bromwich	top of cul-de-sac by No 22
Kirkham Way	Tipton	40m Alexander Road
Knotsall Lane	Oldbury	junction Bristnall Hall Road
Knotsall Lane	Oldbury	by No 330A
Ladbury Grove	Yew Tree Estate	vicinity No 18
Lakeside Road	West Bromwich	by No 8
Lammermoor Avenue	Great Barr	junction Whitecrest
Langford Avenue	Great Barr	outside No 23 / 25
Langford Avenue	Great Barr	by No 2
Langley High Street	Oldbury	on bridge
Larchwood Green	Yew Tree Estate	on bend outside No 15
Law Close	Tividale	junction Temple Way

Lawton Close	Rowley Regis	on bend
Lechlade Road	Great Barr	between No 54 and pub
Lechlade Road	Great Barr	outside No 40
Lee Street	West Bromwich	junction Barrack Street
Leicester Close	Smethwick	entrance to garage area
Leslie Rise	Tividale	outside No 13 /15
Leveson Drive	Tipton	junction Factory Road
Linden Avenue	Great Barr	opp 49 nr the bottom
Linden Avenue	Great Barr	near No 153
Linden Avenue	Tividale	opposite No 51
Linden Road	Smethwick	junction Merrivale Road
Little Hill	Wednesbury	junction Church Hill
Little Lane	West Bromwich	opposite No 10
Lochranza Croft	Great Barr	junction Birmingham Road
Long Meadow	Rowley Regis	rear of No 34
Longbank Road	Tividale	junction Ashleigh Road
Longbank Road	Tividale	near lamppost No 6
Lotus Drive	Cradley Heath	junction Best Street
Lye Cross Road	Tividale	opposite No 52
Macdonald Close	Tividale	junction Temple Way
Mace Street	Cradley Heath	on bend
Magnolia Drive	Yew Tree Estate	junction Bellflower Drive
Majestic Way	Rowley Regis	by No 2
Majestic Way	Rowley Regis	opposite Sandringham Drive
Majestic Way	Rowley Regis	outside No 64
Mansion Crescent	Smethwick	on bend
Maple Rise	Oldbury	outside No 6
Marlborough Road	Smethwick	outside No 80
Marquis Drive	Cradley Heath	opposite No 25
Marshall Road	Oldbury	opposite No 18
Maurice Road	Smethwick	junction Abbey Road
Meadow Road	Oldbury	junction Kenelm Road
Meadow Road	Smethwick	junction Rosefield Road
Meadow Walk	Cradley Heath	junction The Terrace
Meadowside Close	Great Barr	junction Danford Way
Melbourne Close	West Bromwich	junction Castle Street
Meredith Street	Cradley Heath	at side of No 30

Mill Hill	Smethwick	by lamppost opposite No 2
Millpool Way	Smethwick	junction Bearwood Road
Millpool Way	Smethwick	on bend
Moatfield Terrace	Wednesbury	opposite Kendrick Street
Monksfield Avenue	Great Barr	opposite Dale Close
Monmouth Drive	West Bromwich	opposite John Bosco Close
Moor Lane	Rowley Regis	junction Highams Close
Morgan Close	Cradley Heath	by lamppost No 3
Mount Road	Tividale	junction Hilton Road
Mountford Close	Rowley Regis	by allotment fence
Murifield Crescent	Tividale	outside No 56
Napier Drive	Tipton	junction Horseley Road
Narel Sharpe Close	Smethwick	junction Grenville Drive
Nelson Street	West Bromwich	junction James Eaton Close
Newhall Road	Rowley Regis	opposite cable cabinet
Newton Gardens	West Bromwich	outside No 18
Newton Street	West Bromwich	junction Hollyhedge Road
Nicholls Street	West Bromwich	by Trinity Way opposite No 54A
Norfolk Road	Oldbury	opposite flats
Norman Terrace	Rowley Regis	junction Hanover Road
North Road	Tipton	opposite No 73
Oak Crescent	Tividale	on bend
Oakdale Close	Oldbury	opposite No 7
Oakdale Close	Wednesbury	outside No 11
Oakswell Street	Wednesbury	between No 30 / 32
Old Park road	Oldbury	outside Fire Station
Old School Drive	Rowley Regis	outside No 24 / 26
Old Walsall Road	Great Barr	corner Hobhouse Close
Oldacre Road	Oldbury	O/S SCHOOL
Oldacre Road	Oldbury	opposite No 73
Orchard Close	Rowley Regis	in cul-de-sac
Owen Street	Tipton	by Fountain pub on bridge
Owens Way	Rowley Regis	opposite No 21
Oxford Way	Tipton	Sedgley Road West
Packwood Drive	Great Barr	junction Wrottesley Road
Packwood Road	Tividale	opposite No 97
Pargeter Road	Smethwick	near No 114

Park Avenue	Rowley Regis	junction Bell End
Park Avenue	Tipton	between lampposts 13 / 14
Park Lane West	Tipton	outside flats 179 to 184
Park Street	Cradley Heath	opposite Oak Street
Pavillion Avenue	Smethwick	on footway by No 27
Payton Close	Tividale	junction Brades Road
Pembroke Road	Wednesbury	JUNCTION Windsor ROAD
Penncricket Lane	Rowley Regis	junction Oldbury Road
Perryhill Lane	Oldbury	junction Hagley Road West
Pine Avenue	Wednesbury	next to footway serving No 43 / 44
Pitcairn Road	West Bromwich	junction Norman Road
Pleasant Street	West Bromwich	opposite No 2
Pleasant Street	West Bromwich	junction Lee Street
Pool Road	Smethwick	junction Brook Street
Pool Road	Tipton	near lamppost No 7
Poplar Avenue	Tipton	outside No 1
Poplar Avenue	Tividale	junction Poplar Rise
POPPY Drive	Yew Tree Estate	junction Woodruff Way
Portersfield Road	Cradley Heath	junction Cradley Road
Portobello Road	West Bromwich	outside No 10
Portway Walk	Rowley Regis	in cul-de-sac
Pottery Road	Smethwick	outside No 168
Pound Road	Wednesbury	junction Brunswick Park Road
Pound Road	Wednesbury	junction Brunswick Park Road
Princes Road	Tividale	junction Dudley Road West
Princess Grove	West Bromwich	outside No 35
Princess Grove	West Bromwich	end of cul-de-sac
Princess Road	Oldbury	on bend
Princess Road	Oldbury	outside No 38 / 39
Princess Road	Tividale	on bend
Pritchard Street	Wednesbury	by No 4
Pryor Road	Oldbury	junction Brookfields Road
Quarry Rise	Tividale	on footway near spring end
Quarry Rise	Tividale	near head of cul-de-sac
Queens Drive	Rowley Regis	opposite no 94
Radnor Road	Oldbury	rear of "Avery Court" flats
Ragley Drive	Great Barr	near aquaduct

Raleigh Croft	Great Barr	outside No 32
Rathbone Road	Smethwick	outside No 111
Rawlings Road	Smethwick	junction Bearwood Road
Readers Walk	Great Barr	by garages
Red Lion Close	Tividale	junction Harlech Close
Regan Drive	Tividale	by lamppost No 3
Regent Avenue	Tividale	outside No 8
Regent Drive	Tividale	by lamppost No 003
Regent Road	Tividale	outside No 160
Regent Road	Tividale	junction Beech Road
Regent Street	Smethwick	junction High Street
Regent Street	Smethwick	junction CROCKETS LANE
Regis Heath Road	Rowley Regis	opposite No 103A
Reservoir Road	Rowley Regis	side of No 45
Richard William Road	Wednesbury	outside No 56 / 58
Richmond Road	Smethwick	junction Merrivale Road
Ridding Square	West Bromwich	jct Witton Lane
Roman Way	Rowley Regis	opposite No 22
Roman Way	Rowley Regis	side of No 40
Ross Heights	Rowley Regis	outside No 31
Rough Hill Drive	Rowley Regis	between Dudley Road and No 10
Rowley Hall Avenue	Rowley Regis	opposite No 24
Rowley Hill View	Cradley Heath	junction Barrs Road
Royal Oak Road	Rowley Regis	junction Blackberry Lane
Sabell Road	Smethwick	outside No 19
Salop Drive	Oldbury	side entrance to Beechcroft
Salop Road	Oldbury	junction Eva Road
Sandfields Road	Oldbury	near George Road
Sandfields Road	Oldbury	opposite Conway Avenue
Sandfields Road	Oldbury	outside No 40
Sandringham Drive	Rowley Regis	opposite No 4
Sandringham Drive	Rowley Regis	near lamppost No 6
Sandwell Grove	Cradley Heath	outside No 32
Saxon Drive	Rowley Regis	junction Rowley Hall Avenue
Saxon Drive	Rowley Regis	by lamppost No 6
Schofield Avenue	West Bromwich	outside No 32
School Street	Cradley Heath	on bend

Scott Road	Great Barr	jct Birmingham Road
Scotwell Close	Rowley Regis	junction Pennant Road
Shaftesbury Square	West Bromwich	opposite No 1
Sheepfold Close	Rowley Regis	junction Knowle Road
Sheldon Avenue	Wednesbury	next to driveway
Shenstone Road	Great Barr	outside No 6
Sherbourne Road	Cradley Heath	outside MEB sub-station
Shire Close	Oldbury	by house No 10
Short Road	Smethwick	junction Harvest Road
Shrubbery Avenue	Tipton	junction Menin Road
Sidaway Close	Rowley Regis	on bend
Silverlands Avenue	Oldbury	junction Moat Road
Siviters Lane	Rowley Regis	opposite Siviters Close
Smith Close	Smethwick	on bend opposite No 4
Solari Close	Tipton	side of No 1
South Road	Smethwick	opposite DHSS
Speakers Close	Tividale	junction View Point
Spouthouse Lane	Great Barr	outside No 164 / 166
Springfield Close	Rowley Regis	junction Dudley Road
Springfield Lane	Rowley Regis	by canal bridge
Squirrels Hollow	Oldbury	end of road (Two bins)
St Albans Road	Smethwick	junction St Pauls Road
St Albans Road	Smethwick	outside No 47 / 49
St Brades Close	Tividale	opposite No 3
St Brades Close	Tividale	opposite No 55 / 57
St Christophers Close	West Bromwich	on grass opposite No 66
St Giles Avenue	Rowley Regis	junction St Johns Avenue
St Johns Avenue	Rowley Regis	outside No 28
St Katherines Road	Oldbury	junction Bristnall Hall Road
St Lukes Close	Rowley Regis	on bend
St Marks Road	Smethwick	junction Thimblemill Road
St Marys Road	Wednesbury	junction Ethelfred Terrace
St Marys Road	Wednesbury	junction Church Hill
Stanford Drive	Rowley Regis	by lamppost No 1
Stanhope Road	Smethwick	entrance to cul-de-sac
Stanhope Road	Smethwick	junction Astbury Avenue
Stanton Road	Great Barr	junction service road

Stella Grove	Great Barr	by lamppost No 6
Stokesay Close	Tividale	end of footpath
Stoney Lane	West Bromwich	junction with Summer Street
Strawberry Close	Tividale	junction Tower Road
Strawberry Close	Tividale	opposite cul-de-sac
Stuart Road	Rowley Regis	in cul-de-sac
Summer Road	Oldbury	junction Oldbury Road
Summer Road	Oldbury	junction Oldbury Road
Surrey Crescent	West Bromwich	junction Chester Road
Surrey Crescent	West Bromwich	junction Hampshire Road
Sutherland Road	Cradley Heath	opposite No 66
Talbot Road	Smethwick	junction Merrivale Road
Tame Rise	Oldbury	junction Tame Road
Tame Road	Oldbury	junction Perry Hill Road
Tame Road	Oldbury	outside Library
Templemore Drive	Great Barr	OPP NO 2
Terrace Street	Rowley Regis	opposite No 24
Terrace Street	Wednesbury	junction Arundel Avenue
The Broadway	West Bromwich	junction Mostyn Crescent
The Grove	Great Barr	opposite Red House Park Road
The Grove	Great Barr	in the cul-de-sac
The Horseshoe	Oldbury	at both junctions (Two Bins)
The Oval	Smethwick	corner Harold Road by No 40
The Oval	Smethwick	corner Short Road by No 55
The Retreat	Cradley Heath	shrubbed area opposite No 8
Thompson Road	Smethwick	opposite No 31
Throne Close	Rowley Regis	junction Throne Road
Throne Crescent	Rowley Regis	junction Throne Road
Throne Crescent	Rowley Regis	on bend
Thuree Road	Smethwick	junction Woodbourne Road
Timbertree Crescent	Cradley Heath	junction Timbertree Road
Timbertree Crescent	Cradley Heath	junction Briery Close
Timbertree Crescent	Cradley Heath	side of No 88
Timothy Road	Tividale	off Tower Road outside No 7 / 9
Timothy Road	Tividale	outside No 19
Tiverton Drive	West Bromwich	rear of No 31
Topsham Road	Smethwick	outside No 67 / 69

Trafalgar court	Tividale	on hill at A4123 junction
Trejon Road	Cradley Heath	opposite No 85
Trejon Road	Cradley Heath	opposite No 40b
Trinder Road	Smethwick	junction Norman Road
Tunnel Road	West Bromwich	junction Castle Street
Union Street	Smethwick	Junction Kendrick Way
Union Street	Wednesbury	junction Market Place
Union Street	Wednesbury	on fence line at Camp Street Car Park
Union Street	Wednesbury	two bins, locations 471 & 472
Unketts Road	Smethwick	opposite No 22
Uplands Avenue	Rowley Regis	outside No 120
Uplands Avenue	Rowley Regis	outside No 24
Valley Road	Cradley Heath	opposite No 11
Valley Road	Great Barr	outside No 164 / 166
Vestry Close	Cradley Heath	on bend
Vicarage Street	Oldbury	junction Vicarage Road
Vicarage Street	Oldbury	opposite No 63
Victoria Road	Cradley Heath	opposite No 21 / 22
Victoria Road	Cradley Heath	opposite No 35
View Point	Tividale	junction Darbys Hill Road
View Point	Tividale	outside No 33
Vince Street	Smethwick	junction Dale Street
Wall Close	Smethwick	on bend opposite parking bays
Wallace Rise	Rowley Regis	outside No 1
Wallace Road	Rowley Regis	opposite No 63
Walsall Road	West Bromwich	OPP NAVIGATION
Walton Close	Rowley Regis	outside No 25 / 26
Warley Hall Road	Oldbury	junction Wilson Road
Warstone Drive	West Bromwich	near Old Peoples Home
Warwick Close	Oldbury	in parking area
Waterways Drive	Tividale	on bend
Watery Lane	Tipton	junction Queens Road
Watery Lane	Tipton	on over-bridge
Wellcroft Street	Wednesbury	junction Trowse Lane
Wellington Street	Cradley Heath	on bend
Wendover Road	Rowley Regis	junction Crendon Road
West Avenue	Tividale	junction City Road

West Avenue	Tividale	outside No 30 / 32
West Bromwich Road	Walsall	outside No 43
Westmead Drive	Oldbury	by bollards near No 21
Wharfdale Street	Wednesbury	junction Spring Head
Wharfdale Street	Wednesbury	opposite No 18
Wheatley Close	Oldbury	near No 1
Wheatley road	Oldbury	opposite No 53
White Road	Smethwick	outside No 9
Whitecrest	Great Barr	outside 42
Whitworth Drive	West Bromwich	on footway opposite No 4
Wickham Square	West Bromwich	on island in parking area
Willow Drive	Tividale	junction Hawfield Road
Windmill Street	Wednesbury	junction Walsall Street
Windsor Road	Rowley Regis	side of No 35
Windsor Road	Rowley Regis	side of No 33
Woburn Drive	Cradley Heath	outside No 38
Woburn Drive	Cradley Heath	on grassed area near No 79
Woodfort Road	Great Barr	opp 55 and jct of Templemore x2
Woodgreen Road	Oldbury	side of Dominos Pizza
Woodgreen Road	Oldbury	side of Kentucky (Two bins)
Woodhouse Way	Cradley Heath	junction St Annes Road
Woolpack Close	Rowley Regis	outside No 23
Worcester Road	Oldbury	junction Queensway
Worcester Road	Oldbury	opposite No 29
Wylde Crescent	Rowley Regis	opposite No 63 Stuart Road
Yardley Close	Oldbury	by entrance to car park
Yew Tree Lane	Rowley Regis	junction Moor Lane
Yew Tree Lane	Rowley Regis	junction Powke Lane