



ABERDEEN
CITY COUNCIL

**ABERDEEN CITY COUNCIL
Roads Winter Service Plan
2011 - 2012**



**Specification
&
Operational Plan**



ABERDEEN

CITY COUNCIL

ROAD SERVICES

WINTER SERVICE PLAN

2011 - 2012

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ABERDEEN CITY COUNCIL
ENTERPRISE, PLANNING & INFRASTRUCTURE

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WINTER SERVICE PLAN

2011-2012

PART 1 SPECIFICATION

WINTER SERVICE PLAN

PART 1 SPECIFICATION DOCUMENT

1. Policy

- 1.1 The City Council's policy is stated in the report submitted to the Roads Sub-Committee of the Policy and Resources Committee on 19th September 1996 and Policy & Strategy Committee of 5th June 2008.
- 1.2 The Council's policy objectives in relation to winter service is defined as the reduction, as far as practicable, of the effects of adverse weather conditions on the movement of people and vehicles to permit safe travel on the more important roads in the City.

2. Priorities and Standards

2.1 General

The Roads Sub-Committee agreed that the priorities for treatment and standards of treatment be determined in accordance with the relative importance of any particular road in the Road network, and that the relevant Corporate Director be requested to endeavour to curtail the level of expenditure within the sum provided in the annual budget, bearing in mind the conditions which pertain and the policies set down in the report.

- 2.1.1 Priority 1 routes will be principal roads or other classified roads serving as the main routes of major traffic distributors. Priority 1 routes should also carry heavy traffic flows or serve as major public service bus routes or give access to public service or emergency facilities providing an essential public service. In special circumstances a road which does not meet the above definition may be considered a priority 1 route if it is regularly used and presents special hazards because it is habitually liable to drifting snow or freezing because of altitude or exposure etc. A road need not be considered a priority route at all times.
- 2.1.2 The standard to be aimed at on Priority 1 routes is that these routes should never become impassable to traffic unless there are abnormal conditions. Snow and ice clearance should be started as soon as practical when the need for it becomes apparent. Equipment and resources should be provided and should be capable of being deployed sufficiently quickly to be able to salt for ice or clear a moderate snowfall of up to 50 millimetres depth (2 inches) within two and a half hours of the physical start of operations.
- 2.1.3 There should be, for these routes, a 24 hour a day, 7 day per week availability of crews and equipment with the standby arrangements being such that the response time for an instruction from a responsible officer of the authority to commence winter service operations to the start of snow or ice clearing on site should not be greater than one hour.
- 2.1.4 Consideration should be given to the pre-salting of priority 1 routes on receipt of an adverse weather forecast to prevent the formation of ice or to make the clearing of snow or ice from the surface of the road less difficult.

- 2.1.5 A list of priority one routes should be drawn up. The routes will be collated into convenient lengths to be dealt with by one or more salt stores and the need to keep mileage, which is run empty for reloading to an absolute minimum.
- 2.1.6 The priority one routes should be reviewed annually in the late summer/autumn months to take account of changes in the road layout e.g. change from single to dual carriageway or in the light of new development and particularly the opening of new community facilities e.g. schools, health centres or similar, or in the light of changes in the road network and amendments to the routing of Public Transport.
- 2.1.7 Priority 2 routes will be principal and other classified roads not included in the priority 1 list but which serve as main roads or as traffic distributors and which carry medium traffic flows or give access to community or public facilities of a non essential nature.
- 2.1.8 In order to provide an efficient and effective use of labour and plant several of the Priority 2 Routes are included in the Priority 1 routes, the remaining Priority 2 routes will only be treated once the combined Priority 1& 2 routes have been opened to traffic. The remaining Priority 2 roads will be dealt with on an "Area Response" basis with the allocation of resources to the defined areas being subject to the prevailing weather conditions. Treatment of an Area is not subject to a time for completion due to their size and complexity. Additional resources from external Contractors may be employed to assist in the operation.
- 2.1.9 Priority 3 locations are access roads, service roads, cul de sacs and minor roads where it could be expected that residents and employees etc could make their way with some difficulty in all but abnormal conditions to the nearest higher priority route.
- 2.1.10 The standard for Priority 3 locations would be that they would not normally be treated unless conditions were severe enough to prevent the passage of emergency vehicles, where it was considered in the light of prevailing weather forecasts that the conditions might be expected to persist for some time or that there was an exceptional depth of snow packed snow or ice. In the case of a medical emergency or an event such as a funeral the location in question would be treated. Priority 3 locations due to width of access, or they are dead ends will not always be accessible with normal winter maintenance plant and would not be treated until all routes of a higher priority had been opened to traffic.
- 2.1.11 Non Aberdeen City Council maintained roads and roads or lanes providing a secondary means of access for service vehicles together with roads on which there are no direct accesses to any habitations would not be treated except in the case of a medical emergency.
- 2.1.12 In extreme weather conditions only Priority 1 routes will be treated. Should salt stock levels diminish, salt treatment of Areas will be stopped, then Priority 2 routes, until only priority 1 routes are being treated.

2.2 Priorities and Standards - Footways

- 2.2.1 The priority with regard to the treatment of footways is that, precedence will be given to those footways in the City for which the Council is responsible and which carry the

greatest number of pedestrians. This means the central areas of the City where the shopping and commercial facilities etc are concentrated. Precedence will also be given to footways and gradients, which are so steep, that they would be dangerous when covered with ice or hard packed snow. This may be altered by the duty supervisor or the duty officer depending on the circumstances that are being encountered.

- 2.2.2 The standard to be aimed at for footways on the Priority 1 list is that, these footways should be kept in a safe condition for pedestrians. In “normal” conditions snow or ice clearance should be started as soon as practicable when the need for such treatment becomes apparent. Equipment and resources should be provided and should be capable of being deployed sufficiently quickly to be able to begin treatment of a moderate snowfall between the hours of 7.45 and 3.45 Monday to Friday. At weekends the duty supervisor or the duty officer will determine if additional resources can be sourced.
- 2.2.3 All other footways in the city will be considered to have a lower priority although again precedence will be given to the more heavily trafficked routes, footways in the vicinity of major public services, medical or community facilities providing an essential public service and where numbers of infirm, elderly, accompanied infants and young children are likely to congregate. These footways will be treated only when the Priority 1 routes have been treated and made safe for pedestrian movement and will be dealt with on an Area Response basis with the allocation of resources to the defined areas being subject to the prevailing weather conditions. Treatment of an Area is not subject to a time for completion due to their size and complexity.

During forecasts of snow or ice or for periods of snow or ice council employees will be deployed to treat Priority 1 footways and then continue into the Areas, additional resources from external Contractors may be employed to assist in the operation.

- 2.2.4 Other equipment and resources should be deployed to deal with particular situations as conditions dictate, particularly where treatment has not been carried out and there is a public need for such treatment at individual locations, e.g. bus stops, pedestrian crossings, traffic islands and the like.
- 2.2.5 Privately maintained footways will not normally be treated.

2.3 Grit Bins

- 2.3.1 On lower priority routes both on carriageways, lay-bys and footways, grit bins should be provided where they can be sited without inconvenience or danger to residents and road users. A single application for a grit bin will not be considered. An application for a grit bin will only be considered if requested by a community with an agreed location.
- 2.3.2 These grit bins would be provided, maintained and kept filled by the Council so that the salt, salt/sand mixtures would be readily available to Council employees, local residents or any other road user should they choose to use the facility. The locations and condition of all grit bins should be reviewed annually in late summer/autumn. It should be noted that whilst making use of grit bins, care should be taken as it is common for them to be used by some members of the public for the disposal of rubbish, such as glass, sharp metal and, in some instances, syringes which could result in injury to the user should they inadvertently come into contact with this material. Hazard warnings should be positioned on the lid of the grit bin

2.3.3 It is recommended that all grit bins be highlighted for public use with a telephone number to call allowing members of the public to inform on the location of the empty grit bin. Calls will be monitored on a daily basis during the winter and twice daily during periods of snow and ice. Holidays and weekends will be excluded as resources are limited.

3. Treatments of Conditions

3.1 Precautionary Salting - Priority 1 routes and locations of particular hazard.

3.1.1 Precautionary salting is to be carried out at the rate of 10 grammes per square metre when light frost or light snow is expected and the decision has been made to take action following the forecast from the Council's meteorological advisors.

3.1.2 When frost is predicted after rain precautionary salting rates should be increased to 20-40 g/sq. m according to the temperatures expected. 20 g/sq. m will operate down to -2 degrees Celsius, 40 g/sq. m operates to -5 degrees Celsius. Salting should be delayed as long as possible to reduce loss of salt by run-off unless freezing conditions coincide with the rainfall.

3.1.3 When continuous snow is forecast precautionary salting rates are to be 20-40 g/sq. m according to the anticipated severity of the snowfall,

3.1.4 These spread rates are dependant on available salt stocks, during periods of sustained snow salt availability may be restricted due to instructions from outwith the council, and periods of salt conservation maybe necessary. (See 2.1.12)

3.2 Treatment of Ice

When ice has already formed on the road surface, salt should be spread at a rate to a maximum of 40 g/sq. m.

3.3 Treatment of Snow

3.3.1 The maximum salt spreading rate recommended for melting up to 50mm of fresh snow is 40 g/sq. m. Repeated applications of salt can remove heavy accumulations of snow, however, this approach is not recommended and ploughing should be undertaken as soon as the depth of snow exceeds 50mm.

3.4 Treatment of hard packed snow and ice and sustained low temperatures

- 3.4.1 When temperatures drop below -5 degrees Celsius it is advisable to use grit or salt/grit mixtures. The grit used in these circumstances should be single particle size 6mm – 2mm having low fine content. The particles should be angular suitable for an abrasive.

3.5 Updated guidelines on reducing salt spread rates

- 3.5.1 Winter Service Guidance for Local Authority Practitioners was issued by the UK Roads Liaison group in October 2010. One of the main recommendations from this is that the recommended salt spread rates be reduced by approx 20% e.g. from the present 10g/sq.m. and 15g/sq.m. to 8g/sq.m. and 12g/sq.m. Given the age of the present gritting fleet, it would not be possible to calibrate to this level of accuracy. As the fleet is replaced, these guidelines can be gradually phased in.

4. Winter Service Plant

To be effective, salt must be spread evenly at rates to suit prevailing conditions. The spreading equipment supplied should be to BS 1622:1989. The controls of spreading machines are to be calibrated annually and clearly marked for distinct spread rates up to 40g/sq.m.

5. Salt and Grit

Salt supplied to various locations throughout the City shall be to BS 3247:1991.

Grit for use either neat or in mixtures shall be single sized abrasive or particle size 6mm – 2mm having a low fine content. The particles should be angular in shape suitable for an abrasive.

A trial will be carried out with a chemical de-icing treatment.

6. Communications

Work has been carried out with the Corporate Communications Team and the Service Design and Development team to provide up to date information on the Council Web Site. The information provided will enable members of the public to check on expected road conditions, confirm main gritting routes and check action currently underway.

ABERDEEN CITY COUNCIL
ENTERPRISE, PLANNING & INFRASTRUCTURE
ROADS SERVICES

WINTER SERVICE PLAN

2011 - 2012

PART 2 - OPERATIONAL PLAN

WINTER SERVICE DOCUMENT

PART 2

OPERATIONAL PLAN

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WINTER SERVICE PLAN - STANDING ORDERS

PART 2 - OPERATIONAL PLAN

1. Introduction

1.1 Outline

The plan of action is designed to provide for twenty-four hour a day, seven days a week service. The plan, which is designed to be flexible enough to cover all foreseeable weather conditions normally experienced in this part of the country, will operate in various phases according to the time of day and weather conditions.

The plan consists of an emergency standby service outwith normal working hours, regular routine patrols by specialist gritting and snow clearing vehicles in the early hours of the morning augmented, as necessary, by the use of the Council's normal heavy goods vehicles fitted with demountable snowploughs and/or gritter bodies as appropriate. The Council's own resources can be augmented by hired labour and vehicles and plant from local contractors.

1.2 Stages of the Plan

In deploying the Council's resources and resources from other sources, Supervisors will take into account the priorities drawn up to cover all weather conditions, will seek to ensure that the road network is dealt with in the sequence and to the standards set out in Part 1, Section 2 headed "Priorities and Standards".

Supervisors in planning and executing the Winter Service Operations must give consideration to the needs of all employees to have reasonable periods of rest between periods of duty, however, in extreme and prolonged weather conditions Aberdeen City Council can declare the event an emergency to continue with winter service operations.

1.3 Delegation of Responsibilities

1.3.1 The General Manager Operations is responsible for the work of the Roads Services throughout the City. The General Manager Operations is responsible for formulating the policy objectives with regard to Winter Service operations and ensuring that adequate resources are allocated to meet the objectives and standards set in the Specification Document. The General Manager Operations is also responsible for ensuring that the Specification and Operational Plan are continually reviewed in the light of experience and changing circumstances.

1.3.2 The General Manager Operations in conjunction with the Road Operations Manager will be wholly responsible for ensuring that Winter Service operations are carried out in accordance with the policy of the Council and in accordance with accreditation in Winter Maintenance Quality Assurance under ISO 9002. They will ensure that the Duty Officers and the Supervisors and operators are conversant with the Winter Service Plan and will ensure that the standard of training, etc. of the operatives is sufficiently high to enable them to carry out their allotted tasks. The day to day responsibility for producing the daily Winter Maintenance Advice Sheet may be delegated to the Duty Officer. The Supervisors shall be provided with the physical resources to enable them to carry out the work within

the limitations of the budget and shall have the authority to utilise all the resources available to them on normal works in the event of adverse weather conditions. The day to day responsibility for the organisation and supervision of Winter Service operations may be delegated to the Supervisors.

- 1.3.3 The Supervisors are wholly responsible to the General Manager Operations/Road Operations Manager for the day to day organisation and execution of the Winter Service operations and will take immediate action to implement the Winter Service Plan on receipt of adverse weather advice or in the event of sudden frost or snowfall. The Supervisors have complete authority to set the plan in action without reference to the General Manager Operations or Road Operations Manager but shall at all times keep the Management fully advised of the prevailing circumstances with regard to the progress of Winter Service operations and shall seek the advice and assistance of Management in dealing with any augmented work undertaken or conditions outwith the scope of the Winter Service Plan.

2. Working Arrangements

2.1 Standby Service – 21/11/2011 to 26/03/2012

The standby rota has been extended by 2 weeks to the end of March to take account of the need to extend the rota over the last 2 winters. The Supervisors will draw up a weekly duty rota for drivers and plant operators for both the standby service and for the early morning patrols to ensure that all specialist Winter Service vehicles and tractor loading shovels can be manned on a twenty-four hour, seven days a week basis in accordance with the Winter Service Plan.

Specialist Winter Service vehicles will be stationed at appropriate depots for immediate use outwith normal working hours. The vehicles will be loaded with neat salt and drivers will be contactable to receive instructions from the Supervisor. A Supervisor will be available to receive telephone calls from the Police or other responsible Officers of the Council assess road conditions and initiating emergency actions.

On receipt of an emergency call, the Supervisor will assess the situation and, if necessary, will call out the standby crews to treat roads as required, he may at his discretion, alert other Supervisors, as it may be necessary to call out additional drivers and vehicles in his area.

The Supervisor will advise the Night Attendant or the Duty Officer what resources are deployed and the route/areas being treated to allow the Council's web site to be updated.

The standby drivers will report to their Supervisor the road conditions at the area of the particular hazard and in the area generally. The Supervisor will log the telephone call seeking assistance together with the details of any action taken in response to it and any action by way of treating other locations so that there is a permanent record, for inspection, of the extent of Winter Service operations carried out.

2.2 Early Morning Patrols – 21/11/2011 to 26/03/2012

The early morning patrol rota has been extended by 2 weeks to the end of March to take account of the need to extend the rota over the last 2 winters.

The specialist Winter Service vehicles will be operated on early morning patrol service during the winter period. Each vehicle will be driven on a prescribed priority route and treatment will be carried out as instructed for the conditions encountered.

The Supervisor will advise the Night Attendant or the Duty Officer what resources are deployed and the route/areas being treated to allow the Council's web site to be updated.

Special attention will be given to those locations, which are designated as areas of particular hazard; drivers will report the road conditions on their prescribed route to the Supervisor on completion of their patrols.

Additionally, the Supervisors may at their discretion, if adverse weather conditions are expected, detail additional operatives to make themselves available for standby duties/early action.

2.3 Service Within Working Hours

- 2.3.1 If, in the opinion of the Supervisors, road or weather conditions warrant it, Winter Service operations utilising the specialist vehicles will continue during the course of the working day. In addition to the specialist vehicles, the Supervisors can instruct the use of the Councils normal heavy goods vehicles on Winter Service operations. The vehicles will be fitted with snowploughs and/or gritter bodies according to the road conditions.

The Supervisor will advise the Night Attendant or the Duty Officer what resources are deployed and the route/areas being treated to allow the Council's web site to be updated.

2.3.2 Daytime 8.30am - 4.30pm Monday - Friday

The ice detection equipment will be monitored by the Road Services staff. When a change in conditions is displayed at any of the ice detection locations in his area, the Road Operations Manager or his staff will advise the Supervisor who, taking account of all factors known to him, will dispatch a gritting vehicle to inspect and treat conditions at the location as necessary and thereafter proceed to such other locations the Supervisor considers may require treatment.

2.4 Service Outwith Normal Working Hours 12/11/2011 to 24/03/2012

- 2.4.1 An emergency all night service will be provided and specialist Winter Service vehicles will be ready for immediate use throughout the winter season.

The vehicles will be loaded with neat salt and drivers will be in attendance at the depot. In addition to the drivers the depot will be manned by a Duty Night Attendant who will receive telephone calls from the Met Office, Police or other responsible Officers of the Council initiating emergency action.

On receipt of an emergency call, the Duty Night Attendant will despatch a driver to investigate and, if necessary, treat the road surface. Immediately the driver has dealt with the specific complaint, he will travel to those locations designated as areas of particular hazard in the vicinity of the locus of the complaint and, if necessary, treat the road surface at these locations. He will report to the Duty Night Attendant the road conditions at the areas of particular hazard and in the area generally. The Duty Night Attendant will log the telephone call seeking assistance together with the details of any locations so that there is a permanent record for inspection by the Duty Supervisor of the extent of Winter Service operations carried out during the night.

Should it appear to the Duty Night Attendant from the number of telephone calls received requesting assistance or from the reports received from drivers that the road conditions are so bad as to require the deployment of more resources than provided by the all night standby, he will immediately telephone the Duty Supervisor advising him of the conditions so that the Duty Supervisor may, at his discretion, instruct the call out of additional drivers and vehicles

- 2.4.2 When an adverse change of conditions is displayed at any of the ice detection locations in the City, the Night Attendant will dispatch a loaded gritter to inspect and treat conditions at the location as necessary and thereafter, taking account of all other known factors, proceed to treat as necessary areas of special hazard. The Duty Night Attendant will log the change in road temperatures together with his actions and details of any

locations actioned so that there is a permanent record for inspection by the Duty Supervisor of the extent of Winter Service operations carried out during the night.

- 2.4.3 As Christmas and New Year are on a Sunday a stand by crew will only be available to treat priority 1 carriageways and footways on the day on the 25 – 27 December and 30 December – 3 January inclusive.

2.5 Footway Treatment

The Priority 1 footways for treatment are listed in Appendix C (e).

The standard practice for treating footways will be to use neat salt although discretion is given to Supervisors to use salt/grit mixtures when weather conditions warrant it, and especially when dealing with ice that has formed as a result of the re-freezing of partially thawed snow.

In clearing a passage for pedestrians, any cleared snow will be left piled at the edge of the footway until resources are available for its removal. Special attention will be given at pedestrian crossings, road junctions where large number of pedestrians cross, bus stops etc where gaps should be left at these locations to allow pedestrians to cross without having to negotiate the heaped snow.

Special care will also be taken to ensure that street gullies are not blocked by piled snow, as this would prevent water draining away at the onset of a thaw.

2.6 Thawing

During the thaw, the first responsibility of the Supervisors will be to ensure, as far as practicable, that road channels and verges are cleared in the area of street gullies and cross grips to allow melted snow to drain away. Only after the channels and cross grips have been cleared should an attempt be made to clear the stockpiled snow.

2.7 Lifting of Snow from Roads etc

In extreme conditions after heavy snow falls it may be necessary to lift snow from streets. Snow cleared from the road will only be uplifted in exceptional circumstances, e.g. where existing piled snow is preventing further snow clearance from the road.

2.8 Local Arrangements

2.8.1 Liaison with Grampian Police

The arrangements will be as detailed in Appendix D.

3. Information

3.1 Communications

During Office Hours - Mondays to Fridays inclusive, telephone messages will be received by the contact centre.

Outwith Office Hours - Telephone messages to be passed to Duty Supervisor (Daytime) as per rota or to Night Attendant at West Tullos Depot.

3.2 Weather Forecasts

The Council's meteorological advisors will provide information for the duration of the winter period including:-

- a) General Forecasts for the following 24 hours
- b) 2-5 day outlook forecast
- c) Air and road temperatures and a predicted forecast graph

During Office Hours

The Forecast data information is assessed and entered into an advice sheet prepared by the Duty Officer in conjunction with the Duty Supervisor and if required submitted to the Roads Operations Manager for discussion and a decision made as to the required treatment. Roads Operations Manager to be advised of daily action.

The information will also be passed to the Standby Supervisor by the Duty Officer.

Outwith Office Hours and Holidays

It will be the responsibility of the Duty Officer to obtain the weather forecast, consult Supervisor and confirm action. Supervisor to contact the Night Attendant at West Tullos Depot each day shortly after 17.30 hours to appraise him of the situation. If there is a forecast of severe weather the Standby Supervisor should also be informed

Emergency Weather Forecasts

The Council's meteorological advisors will contact the West Tullos Depot or Night Attendant as appropriate to advise on changes in forecast information. Additional phone numbers should be supplied to the Met Office in case there is difficulty in contacting the depot or the Night Attendant.

3.3 Advice Sheets

3.3.1 Winter Maintenance Advice Sheets

Forecast information and the Winter Maintenance Advice Sheet will be used to assist in decision making. In the absence of any indication or information to the contrary the advice recommendation given on the Advice Sheets should be followed.

3.3.2 Interpretation of Advice Sheets

The Advice Sheets recommendations may not be followed if:

- (a) A clear emergency exists which requires immediate action
- (b) The Road Operations Manager advises differently.
- (c) The actual weather (e.g. as measured by Ice Outstations) is at variance from the forecast such that action taken would need to be significantly different from that advised, e.g. the stepping up of salting from 10 to 20 g/sq. m or equivalent in mixtures, or if the forecast of snow turns out to be rain then reducing or changing the treatment. In this case the meteorological advisors should be contacted, advised of actual weather conditions and new forecast information requested.

3.3.3 Variation from Advice Sheets

A record will be kept of all variations of action from the advised action on the advice sheet. The reason for such a variation will be noted on the advice sheet for record purposes.

3.3.4 General Note

The Council's meteorological advisers are available 24 hours a day and can be contacted at any time by supervisors or staff for advice. They are contracted to supply new weather information when a significant change is forecast and to give advice over the telephone on all meteorological matters. If in any doubt about the actual weather and/or the forecast the rule is contact the meteorological advisers.

3.4 Road Condition Reports

In order that the General Manager Operations can be kept advised of the road conditions throughout the City, reports on road conditions will be passed as follows.

During Office Hours

The Road Operations Manager will arrange for the daily road condition report and the advice sheet to be completed not later than 0900 and 1600 hours to be recorded on the standard pro-forma and for the information to be forwarded to General Manager Operations.

Outwith Office Hours

The Duty Supervisor will inform the Road Operations Manager of any abnormal conditions, who in turn will advise the General Operations Manager.

4. Plant

4.1 Availability and Maintenance of Vehicles, Plant etc

All specialist Winter Service vehicles, plant and footway snowploughs require to be maintained and overhauled prior to the commencement of Winter Service operations. All items of Winter Service equipment overhauled shall be on station not later than the end of September in order that calibration works can be carried out to all plant at the same time.

All footway snowploughs shall be on station by the second week in October. All dedicated gritting vehicles shall be calibrated by end of October and signed calibration sheets filed for future reference.

All vehicles, plant and equipment shall be checked to ensure they are fully operational on return to station.

A stand by mechanic will be available at all times during the winter period to carry out routine maintenance and minor repairs allocated to him. Where applicable the six week safety checks on vehicles should be carried out during early morning operations when no action is being carried out, any major defect found during this period will require the vehicle to be taken to Kittybrewster for repair. Fleet Services to provide the Road Operations Manager and the Supervisors with a rota of the mechanics

4.2 Operation of Vehicles

While it is acknowledged that the drivers of vehicles engaged in Winter Service operations do not operate under normal circumstances, it is nevertheless the driver's duty to take every precaution to avoid accidents.

Once the vehicles are on station and Winter Service operations have begun, it will be the duty of the driver and/or operator for each vehicle and item of plant to check his vehicle daily before starting duty. The inspection shall cover the fuel, oil and water levels and the lights, brakes and tyres, together with all bolts and couplings fixing ploughs, spinners and safety rails.

Any fault revealed by the check shall be immediately reported to the Supervisor who will call out the stand by mechanic to determine whether or not the vehicle is in a fit state to continue with Winter Service operations or whether the vehicle should be withdrawn from service for immediate repair at the Depot or transported to Kittybrewster. In the latter case the Supervisor, in consultation with the Repair Depot Supervisor, shall decide whether or not, depending on the length of time that any repair is likely to take, an alternative vehicle should be made available as a replacement for the unserviceable vehicle.

The amber flashing lights fitted to each vehicle must be kept rotating during gritting and snow clearing operations. In poor visibility, the vehicle's horn should be sounded as necessary but its use should be kept to a minimum consistent with safe driving and the need to cause as little inconvenience as is possible to residents, particularly during early morning and late night working. Any vehicle engaged in Winter Service operations must not be driven at speeds in excess of 20 mph in urban areas or where traffic is heavy, the speed should be further reduced to ensure the flying grit/sand does not injure pedestrians or damage other vehicles on the road. A "SPREADING" sign is to be fitted and kept clean on rear of gritting and large snow plough vehicles.

Snow ploughs and scrapers must always be raised above the road surface when passing over sections of road which are clear of snow and ice and drivers should constantly be on the lookout for manhole covers, street tobies or other obstructions such as traffic calming measures which may be standing proud of the road surface.

Where normal haulage vehicles are being operated with gritters, it will be the responsibility of the driver to ensure that the safety guardrails are securely fitted before allowing operatives on to the platform of the lorry.

It is the responsibility of the driver of any vehicle to ensure that the hopper or the platform of this vehicle is not left loaded with salt or salt/sand mixture for more than forty-eight hours. If the salt or salt/sand mixture has not been used for this period of time, the hopper and/or platform should be emptied and immediately refilled with fresh material.

If the vehicle has been driven during heavy rain, the driver should check the salt or salt/sand mixture to ensure that caking has not taken place. If it has, the vehicle should be emptied and immediately refilled with fresh material.

Where mobile phone communication is used the driver must not under any circumstance answer the phone until parked safely and the engine is turned off as per the Council's mobile phone policy. Drivers will be issued with a radio for communication purposes.

5. Materials and Equipment

5.1 Salt and Salt/Sand Stocks

Salt - Stocks of salt will be built up to the predetermined levels indicated in the contract requirements. It will be the responsibility of the salt supplier to maintain the agreed stock levels at all storage points as per the predetermined schedule. It will be the responsibility of the Duty Supervisor and Duty Officer to make a daily update on salt usage and a weekly return of salt receipts and issues to the Road Operation Manager.

Salt/Sand mixtures

Salt/Sand mixtures will be mixed in the stores in accordance with the instructions of the Supervisor for that area and will generally consist of one parts sand to one part salt by weight but this mixture may be varied at the discretion of the Supervisors depending upon road and weather conditions.

5.2 Use of Materials

In general neat salt will be used on all roads. The use of neat salt or of the salt/sand mixture may be varied at the discretion of the Supervisor depending upon road and weather conditions.

It shall be the responsibility of the Supervisors to ensure that all stores within his operational area are allocated a tractor loading shovel and that the stores are manned continuously during the period of early morning patrols or when general Winter Service operations are being carried out.

During the spreading of salt, especially in built-up areas, care must be taken to keep salt clear of trees, hedges, shrubs, lawns etc.

6. Assistance from Third Parties

6.1 Local Authority Services

Other Local Authority Services may undertake the gritting/salting, and/or snow clearing of footways and/or roads in designated areas, by arrangement agreed prior to the onset of winter.

6.2 Education

Winter Service within the City's educational establishments are dealt with under separate arrangements within the Council

6.3 Parks, Cemetery accesses, Crematoria access, Sheltered Housing accesses, Unadopted Footways through Council Housing Areas and Other Council Property accesses

Priority Roads and Footways in these areas will be treated under contract by other Council Services. Operations will normally be carried out during the standard working day and will be co-ordinated by Enterprise, Planning and Infrastructure. They will be informed of the prevailing conditions and whether they are required to carry out winter service operations outside normal working hours. A standby rota will be produced to cover weekend operations. A list of priority locations are detailed in Appendix C (g).

7. Road Closures

7.1 Road Closures

The closure of a road under severe winter conditions can only be authorised by the Police but operationally the signs could equally well be put out by the Police or Roads Staff. It is absolutely essential that there is consultation and co-operation between the two bodies in the issue of the signs e.g. for a closure instigated by the Police during the night, the Duty Supervisors affected be informed as soon as possible and where the closure initiative came from the Roads Staff that the Police be contacted immediately. Duty Officer will be informed by 08:00 of any road closures and openings. If a road is closed signing should be maintained until the road is reopened. Roads Operations Manager or a duty representative will be required to inform Street Occupations of any road closures.

8 Road Treatment Logs

A "Road Treatment Log" will be kept by each gritter driver to show the times treatment is necessary. The log will also show the road conditions encountered and the approximate tonnage of the material used. These sheets are to be completed daily by the gritter drivers and returned to the Supervisors each week on a Sunday.

ABERDEEN CITY COUNCIL

OPERATIONAL PLAN APPENDICES

- A: EMERGENCY CONTACTS
- B: DUTIES OF PERSONNEL
- C: GRITTING/TREATMENT
ROUTES
- D: LIAISON WITH POLICE

APPENDIX A - EMERGENCY CONTACTS

Office Hours

Call Centre Number 08456 080919

OPERATIONAL PLAN
APPENDIX B - PERSONNEL
1 - DUTIES OF PERSONNEL

Duties of the Gritter Drivers

1. Duty Period: Monday - Saturday Start 4.45am
Sunday and Public Holidays Start 7.00am

In addition, when on standby during period of duty, make himself available for call-out by request, during emergency.

2. Location: At Depot detailed by Duty Supervisor

3. Communication Radio

4. Responsible to the Duty Supervisor

5. Responsibilities

- a) Drive gritting vehicle along route as detailed in 'Route Card', or to verbal instructions of Duty Supervisor, ensuring that carriageways are adequately gritted for the conditions prevailing.
- b) Maintain communication with the Duty Supervisor advising when treatment of a route/area is started and completed.
- c) During actual gritting and snow clearing operations, the amber flashing beacon must be used. Speeds in excess of 20mph (32kph) are prohibited.
- d) In the event of a breakdown of his vehicle or any incident, which prevents him carrying out his allocated duty, he will advise the Duty Supervisor the earliest opportunity and await further instructions.
- e) Complete daily winter maintenance treatment log and other such relevant documentation.
- f) To carry out a Daily Safety check to his vehicle.
- g) To wash down gritter/spinner after use.

Duties of the Night Shift Drivers

1. Duty period: 7.00pm to 6.30am
2. Location: At Depot detailed by Duty Supervisor
3. Communication Radio
4. Responsible to the Duty Supervisor
5. Responsibilities
 - a) While he may be involved in routine maintenance work at the Depot, he must be prepared to react immediately to a call-out request which will be initiated by a telephone instruction from the Duty Night Attendant.
 - b) On receipt of a call-out he will proceed to location and deal with the condition, maintaining communication with the Duty Night Attendant advising him when the matter has been dealt with.
 - c) Proceed to the especially vulnerable locations, indicated on the route card: inspect and deal as necessary.
 - d) Relay information back to the Duty Night Attendant on any action taken at the locations, the state of the roads and any action taken at any other locations.
 - e) Deal with all requests from the Duty Night Attendant until return to Depot when he will again assume his standby role.
 - f) In the event of a general call-out he will operate in the location advised by the Duty Supervisor.
 - g) In the event of a breakdown of his vehicle or any incident, which prevents him, carrying out this allotted duty, he will advise the Duty Night Attendant at the earliest opportunity and await further instructions.
 - h) He will carry out normal running maintenance to the vehicle, i.e. ensure that water, oil, lights, tyres and battery are in satisfactory condition and report to the Duty Supervisor, in as much detail as possible, any defects in the vehicle.
 - i) Complete treatment log and other such relevant documentation.
 - j) Complete a vehicle safety check before leaving the depot.
 - k) To wash down gritter/spinner after use.

Duties of the Duty Supervisor

1. Duty Period: as determined by working/standby arrangements.

2. Location: Supervisor's normal depot.

3. Communication

The Supervisor will be equipped with a mobile phone and a radio for urgent communication outwith the depot and vans.

4. Responsible to the Road Operations Manager, Enterprise, Planning and Infrastructure.

5. Responsibilities

Overall responsibility for the day to day operations of the Winter Service function.

- a) On receipt of Winter Maintenance Advice Sheet, initiate appropriate action, utilising resources as necessary, including advising drivers on spread rates to be applied.
- b) Draw up duty rotas to ensure the provision of adequate personnel resources.
- b) Ensure that gritters, lorries, plant and ancillary equipment are maintained in operational condition and located at the appropriate Depots and that adequate supplies of salt and sand are available.
- d) Ensure that drivers and operators are conversant with operational details.
- e) In the event of severe conditions, which exhaust the capacity of his resources, advise the Road Operations Manager of the short fall in resources.
- f) To maintain a close liaison with outside agencies specified in Winter Plan and advise them, as necessary, when adverse conditions require their action and render support in plant and labour resources as necessary.
- g) In the event of the breakdown of a vehicle, report defect to the appropriate workshop.
- h) Complete a daily log of vehicles and plant breakdowns.
- i) To ensure all call-out requests are logged in Log Book indicating time received, time accident dealt with and by which vehicle.
- j) Ensure that drivers logs are maintained, and to ensure that the treatment and spread rates comply with his instruction on a daily or weekly basis.
- k) To advise the Road Operations Manager or the Duty Officer each day not later than 8.45 on the road conditions prevailing and the action taken and

the daily salt usage, and to further report before 16.00 each day during periods of adverse wintry weather conditions when further action is required during the day.

- l) During all operations the supervisor must keep either the Night Attendant or the Duty Officer advised when action is taken on each route/area and also when action ceases. Total resources deployed on each route/area must also be communicated. It is vital that this information is accurate and given timeously in order that the Council's website reflects exactly the action being undertaken on the ground.

Duties of the Duty Officer

1. Duty Period: 1 week commencing with issue of forecast on Monday morning to completion of morning treatment the following Monday

2. Location: Duty Officer's Office or Residence as necessary.

3. Communication

The Duty Officer will be equipped with a mobile phone and radio for urgent communication outwith the depot.

4. Responsible to the Road Operations Manager, Enterprise, Planning and Infrastructure.

5. Responsibilities

Responsibility for interpreting the daily forecast to produce the daily Winter Maintenance Advice Sheet and ensuring that relevant parties are informed of the proposed action.

- a) On receipt of weather forecast, and telephone contact with Met Office if necessary, decide on appropriate winter treatment and spread rates for the coming afternoon, night shift and following morning.
- b) Complete Winter Maintenance Advice Sheet and issue to Duty Supervisor. Duty Supervisor to be contacted by telephone if not available in West Tullos Depot.
- c) Issue Winter Maintenance Advice Sheet to night watchman for information and filing.
- d) As necessary issue Winter Maintenance Advice Sheet to appropriate parties, such as General Manager Operations, Corporate Communications, Grounds Maintenance. This is particularly important during severe weather.
- e) Update Weather Conditions on Council Website on a daily basis.
- f) Update Council Website at the start of each treatment and on completion of each treatment.
- g) Complete the Winter Maintenance Advice Sheet after the following morning's treatment, detailing any change from the proposed action and recording actual temperatures and conditions from the previous 24 hours.
- h) Advise Roads Operations Manager of salt tonnage used on a daily basis.
- i) Consult Roads Operations Manager concerning current salt stock levels and the impact this may have on limiting proposed winter action.

Duties of the Night Attendant

1. Duty period: 5.30pm to 6.30am Monday-Friday
4.30pm to 6.30am Saturday & Sunday
2. Location: West Tullos Depot
3. Communication Telephone and radio
4. Responsible to Duty Supervisor
5. Responsibilities
 - a) To accept by telephone, all call-out requests from Central Police Headquarters.
 - b) To log all such calls in Log Book indicating time received, time incident dealt with and by which vehicle.
 - c) To dispatch "Stand-by" drivers, who are in attendance at the Depot to the requested locations.
 - d) To advise Central Police Headquarters of the action taken on all call-out requests.
 - e) In the event of demand exceeding capability, telephone Duty Supervisors who will assume control and instruct as necessary.
 - f) In the event of a report that a standby vehicle is out of commission, as a result of a breakdown, accident, difficult conditions, etc.
 - 1) he will use alternative standby vehicle or driver if available
 - 2) if not available, advise Duty Supervisor who will assume responsibility.
 - g) Ensure that he receives information and immediately updates the Council's website to reflect the current position on the ground

Duties of the Road Operations Manager

1. Duty period: Flexible.
2. Location: Office/Residence.
3. Communication: Telephone and radio
4. Responsible to General Manager Operations, Enterprise, Planning and Infrastructure
5. Responsibilities
 - a) Wholly responsible for ensuring that the Supervisors and Operatives are conversant with Winter Maintenance Operations and shall provide the Supervisors with the physical resources to enable them to carry out the objectives and meet the standard set.
 - b) Shall have the authority to utilise all the resources of his area, however, deployed on normal works, in the event of extreme conditions.
 - c) During working hours, responsible for ensuring the Supervisors are advised of weather forecasts.
 - d) Ensuring that stocks of sand and salt are maintained at a sufficient level during the operation period.
 - e) Responsible for checking that all Winter Service equipment is overhauled and on station by the end of September each year and reporting omissions, if any.
 - f) Responsible for preparing a duty rota for Supervisors and Operatives to ensure that adequate supervision for day to day operations is provided.
 - g) Ensure compliance with the Specification Document.

**OPERATIONAL PLAN
APPENDIX C - GRITTING ROUTES**

(a) **NIGHT SHIFT ROUTES**

The following routes are made up of known local spots where icing problems can appear, even when general conditions would not indicate so. The city has been split into two - a north route and a south route.

North Route

STREET	TO	DIRECTION
Depot	Craigshaw Drive	Turn Right
Craigshaw Drive	Abbotswell Road	Turn Left
Abbotswell Road	West Tullos Road	Turn Right
West Tullos Road	King George VI Bridge	Turn Right
King George VI Bridge	Great Southern Road	Straight On
Great Southern Road	Holburn Street	Turn Left
Holburn Street	South Anderson Drive	Turn Right
<i>South Anderson Drive</i>	<i>Great Western Road</i>	Proceed
Great Western Road	North Deeside Road	Turn Left
North Deeside Road	Milltimber Brae	Complete & Return
North Deeside Road	Malcolm Road	Turn Right
Malcolm Road	Johnston Gardens	Turn Right & Turn at Bus Stop
Johnston Gardens	Malcolm Road	Turn Right
Malcolm Road	Carnie Roundabout	Turn Right
<i>Carnie Roundabout</i>	<i>Six Mile Roundabout</i>	Proceed
Six Mile Roundabout	Queen's Road Roundabout	Complete & Return
Six Mile Roundabout	Kingswells Road	Turn Left
Kingswells/ Newhills Road		Turn Left
Newhills Road	Forrit Brae	Turn Right
Forrit Brae	A96	Turn Left
<i>A96</i>	<i>Newhills Road</i>	Turn Left
Newhills Road	Kepplestone Road	Straight On
Kepplestone Road	Old/Inverurie Road	Turn Left
Inverurie Road	A96	Turn Left
<i>A96</i>	<i>Dyce Drive</i>	Turn Right
Dyce Drive	Pitmedden Road	Straight On
Pitmedden Road	Victoria Street	Turn Right
Victoria Street	Riverview Drive	Turn Left
Riverview Drive	Old Meldrum Road - Boundary	Turn Around
Boundary	Victoria Street	Straight On
Victoria Street	Stoneywood Road	Turn Right
Stoywood Road	A96	Turn Around
A96	Stoneywood Road	Complete Dual Carriageway
<i>Stoneywood Road</i>	<i>Newhills/Kingswells Road</i>	Proceed
Newhills/Kingswells Road	Cults/Kingswells Road	Straight On
Cults/Kingswells Road	Kirk Brae	Turn Right
Kirk Brae	North Deeside Road	Turn Right

North Deeside Road	Baillieswells Road	Turn Right
Baillieswells Road	Blacktop	Turn Right
Blacktop Road	Countesswells Road	Turn Left
Countesswells Road	Seafield Road	Straight On
Seafield Road	Anderson Drive	Finish

South Route

STREET	TO	DIRECTION
Depot	Wellington Road	Turn Right
Wellington Road	Charleston Flyover	Turn Around
Charleston Flyover	Wellington Road	Straight On
Wellington Road	Queen Elizabeth Bridge	Turn Left
Queen Elizabeth Bridge	North Esplanade West	Turn Right
North Esplanade West	Market Street	Turn Left
Market Street	Union Street	Turn Right
Union Street	King Street	Straight On
King Street	Ellon Road	Straight On
Ellon Road	Parkway Roundabout	Straight On
Parkway Roundabout	Parkway Road East	Turn Right
Parkway Road East		Complete & Turn Around
Parkway Road East	Parkway	Straight On
<i>Parkway</i>	<i>Woodside Road</i>	Turn Right
Woodside Road	Denmore Road	Turn Right
Denmore Road	Greenbrae Drive	Turn Left
Greenbrae Drive	Dubford Road	Turn Left
Dubford Road	Jesmond Drive	Left & Right at Lights
Jesmond Drive	Bus Terminus & Return	
Jesmond Drive	Scotstown Road	Turn Left
Scotstown Road	Whitestripes Road	Turn Left
Whitestripes Road	Whitestripes Avenue	Turn Right
Whitestripes Avenue	Fairview Street	Straight On
Fairview Street	Laurel Drive	Turn Right
Laurel Drive	Parkway	Turn Left
<i>Parkway</i>	<i>Muggiemoss Road</i>	Turn Right
Muggiemoss Road	Old Meldrum Road	Turn Right
Old Meldrum Road	Bankhead Road	Turn Left
Bankhead Road	Bankhead Avenue	Turn Left
Bankhead Avenue	Inverurie Road A96	Turn Left
<i>Inverurie Road A96</i>	<i>Great Northern Road</i>	Straight On
Great Northern Road	Powis Terrace	Straight On
Powis Terrace	Powis Place	Straight On
Powis Place	Causewayend	Turn Around
Causewayend	Powis Place	Straight On
Powis Place	Powis Terrace	Straight On
Powis Terrace	Great Northern Road	Straight On
Great Northern Road	Leslie Road	Turn Left
Leslie Road	Hilton Street	Straight On
Hilton Street	Rosehill Drive	Turn Right
Rosehill Drive	Provost Rust Drive	Straight On
Provost Rust Drive	Springhill Road	Turn left
Springhill Road	Provost Fraser Drive	Turn left
Provost Fraser Drive	Cairncry Road	Straight On

Cairncry Road	Westburn Drive	Turn Right
Westburn Drive	Westburn Road	Turn Left
Westburn Road	Mounthooly Roundabout	Turn Around
Mounthooly Roundabout	Westburn Road	Straight On
Westburn Road	Langstracht	Straight On
Langstracht	Westburn Road	Straight On
Westburn Road	Westburn Drive	Turn Left
Westburn Drive	Ashgrove Road West	Turn Left
Ashgrove Road West	North Anderson Drive	Turn Left
<i>North Anderson Drive</i>	<i>Midstocket</i>	Turn Left
Midstocket	Beechgrove Terrace	Turn Right
Beechgrove Terrace	Kings Gate	Straight On
Kings Gate	Anderson Drive	Straight On
<i>Anderson Drive</i>	<i>Queens Road</i>	Turn Left
Queens Road	Carden Place	Straight On
Carden Place	Skene Street	Straight On
Skene Street	Woolmanhill	Straight On
Woolmanhill	Skene Square	Turn Left
Skene Square	Denburn	Turn Around
Denburn	Guild Street	Straight On
Guild Street	Market Street	Turn Right
Market Street	North Esplanade West	Turn Right
North Esplanade West	Queen Elizabeth Bridge	Turn Left
Queen Elizabeth Bridge	Wellington Road	Turn Right
Wellington Road	Craigshaw Drive	Finish

(b) **GENERAL GRITTING ROUTES**

The following described routes (numbered 1 – 10A) cover all priority routes within the City.

Within these routes, priority 1 roads and priority 2 roads are identified separately.

Where elements of priority 2 roads are listed within the priority 1 section, this is to retain the efficiency of the run. In these instances, the priority 2 roads should be included as part of the overall route. However, where heavy treatment is required and snow clearing is being effected, the priority 2 element should be omitted to allow completion of priority 1 routes within the target times.

Throughout, roads, which are shown in bold capital type, are roads to be treated. Roads, which are shown in italics type, are not to be treated (i.e. dead running between).

SUMMARY OF ROUTES

ROUTE	GENERAL LOCATION
Route 1	Mastrick / Northfield
Route 2	Kincorth / Garthdee / Ruthrieston / Mannofield / Holburn
Route 3	Ferryhill / Union Street / Harbour / Beach
Route 4	Torry / Cove
Route 5	City Centre / Tillydrone / Hilton
Route 6	Denburn / Ashgrove / Westburn / Rosemount / George Street Area
Route 7	Bucksburn / Dyce
Route 8	Danestone / Bridge of Don
Route 9	Bucksburn / Kingswells / Langstracht / Clinterty
Route 10	Cults / Culter
Route 10A	Cults / Culter Bus Routes

Route 1

= TRAFFIC CALMING

STREET	TO	DIRECTION
Langstracht Westbound	Springhill Rd	Turn Right
Springhill Rd	Provost Rust Dr	Turn Left
Bonnyview Dr Bus Terminus		Turn Round
Provost Rust Dr	Manor Ave	Turn Left
Manor Ave	North Anderson Dr	Turn Left
<i>North Anderson Dr</i>	<i>Auchmill Rd</i>	Turn Left
<i>Auchmill Rd</i>	<i>Manor Dr</i>	Turn Left
Manor Dr	Logie Pl	Turn Left
Logie Pl	Manor Ave	Turn Right
Manor Ave	Provost Rust Dr	Turn Left
Provost Rust Dr	North Anderson Dr	Turn Round
Provost Rust Dr	Granitehill Rd	Turn Left
Granitehill Rd	Quarry Rd	Turn Right
Quarry Rd	Byron Sq	Turn Left
Byron Sq	Complete	Turn Left
Byron Ave	Brebner Terr	Turn Right
Brebner Terr	Davidson Gdns	Straight On
Davidson Gdns	Terminus Howes Rd	Turn Round
Davidson Gdns	Brebner Terr	Straight On
Brebner Terr	Byron Ave	Turn Right
Byron Ave	Provost Fraser Dr	Turn Right
Provost Fraser Dr	Springhill Rd Bus Terminus	Turn Round
Provost Fraser Dr	North Anderson Dr	Turn Round
Provost Fraser Dr	Upper Mastrick Way	Turn Left
Upper Mastrick Way	Greenfern Rd	Turn Right
Greenfern Rd	Springhill Rd/+ Terminus	Turn Left
<i>Springhill Rd</i>	<i>Sheddocksley Dr</i>	Turn Right
Sheddocksley Dr	Sheddocksley Rd North End	Turn Right
Sheddocksley Rd	Sheddocksley Dr	Turn Left
<i>Sheddocksley Dr</i>	<i>Springhill Rd</i>	Turn Right
<i>Springhill Rd</i>	<i>Langstracht</i>	Turn Right
<i>Langstracht</i>	<i>Skye Rd</i>	Turn Right
Skye Rd	Arran Ave	Turn Right
Arran Ave	Lewis Rd	Turn Left
Lewis Rd	Arran Ave	Turn Left
<i>Arran Ave</i>	<i>Lewis Rd</i>	Turn Right
Lewis Rd	Langstracht	Turn Left

Route 1 Cont.

<i>Langstracht</i>	<i>Fernhill Dr</i>	Turn Left
Fernhill Dr	Greenfern Rd	Turn Right
<i>Greenfern Rd</i>	<i>Mastrick Rd</i>	Turn Right
Mastrick Rd	North Anderson Dr	Turn Left
<i>North Anderson Drive</i>	<i>Provost Fraser Drive</i>	<u>Turn Left</u>
<i>Provost Fraser Drive</i>	<i>Kettlehill Crescent</i>	<u>Turn Right</u>
Kettlehills Crescent	Deansloch Crescent	<u>Turn Right</u>
Deansloch Crescent	Quarry Road	Turn Right
<i>Quarry Road</i>	<i>Cummings Park Crescent</i>	Straight On
Cummings Park Crescent	Cummings Park Circle	Turn Right
Cummings Park Circle	Moir Crescent	Turn Left
Moir Crescent	Provost Rust Drive Slip Road	Turn Right
Provost Rust Drive Slip Road	Provost Rust Drive	Turn Left
<u>Provost Rust Drive</u>	<u>Heathryfold Circle</u>	Turn Right
Heathryfold Circle	Complete	
Heathryfold Circle	Provost Rust Drive	Turn Left
<i>Provost Rust Drive</i>	<i>Granitehill Road</i>	Turn Right
Granitehill Road	Marchburn Drive	Turn Right
Marchburn Drive	Complete	
Marchburn Crescent	Complete	
Marchburn Road	Complete	
Byron Crescent	Smithyhaugh Road	Turn Left
Smithyhaugh Road	Davidson Drive	Turn Left
Davidson Drive	Dickson Terrace	Turn Left
<u>Dickson Terrace</u>	<u>Springhill Road</u>	Turn Right
<i>Springhill Road</i>	<i>Davidson Drive</i>	Turn Right
<u>Davidson Drive</u>	<u>Dickson Terrace</u>	Turn Right
<i>Dickson Terrace</i>	<i>Springhill Road</i>	Turn Left
<i>Springhill Road</i>	<i>Byron Terrace</i>	Turn Right
Byron Terrace	Byron Avenue	Turn Right
<i>Byron Avenue</i>	<i>Provost Fraser Drive</i>	<u>Turn Left</u>
<i>Provost Fraser Drive</i>	<i>Upper Mastrick Way</i>	Turn Right
<i>Upper Mastrick Way</i>	<i>Greenfern Road</i>	Turn Right
<i>Greenfern Road</i>	<i>Fernhill Drive</i>	Turn Left
<i>Fernhill Drive</i>	<i>Arnage Drive</i>	Turn Left
Arnage Drive	Mastrick Drive	<u>Turn Right</u>
Mastrick Drive	Langstracht	Turn Right
<i>Langstracht</i>	<i>Whitemyres Place</i>	<u>Turn Right</u>
Whitemyres Place	Whitemyres Avenue	Turn Left
Whitemyres Avenue	Complete	Finish

Route 2

= TRAFFIC CALMING

STREET	TO	DIRECTION
<i>Craigshaw Drive</i>	<i>Wellington Road</i>	Turn Left
<i>Wellington Road</i>	<i>Abbotswell Road</i>	Turn Left
Abbotswell Road	West Tullos Road	Round R/about/Left
West Tullos Road	Wellington Road	Round Roundabout
West Tullos Road	Great Southern Road	Round Roundabout
Great Southern Road	Leggart Terrace	Straight On
Leggart Terrace	City Boundary	Turn Around
<i>Leggart Terrace</i>	<i>A90</i>	Straight on
Great Southern Road	George VI Bridge	Turn Left
Great Southern Road	Riverside Drive	Turn Round
Great Southern Road	West Tullos Road	Turn Left
West Tullos Road	Abbotswell Road	Turn Round
<i>West Tullos Road</i>	<i>Great Southern Road</i>	Turn Left
Provost Watt Drive	Arbroath Way	Turn Around
Provost Watt Drive	Great Southern Road	Turn Around R/About
Provost Watt Drive	Abbotswell Crescent	Turn Left
Abbotswell Crescent	Redmoss Road	Turn at Redmoss
<i>Abbotswell Crescent</i>	<i>Arbroath Way</i>	Turn Left
Arbroath Way	Cairngorm Drive	<u>Straight On</u>
Cairngorm Drive	Cairngorm Road	Straight On
Cairngorm Road	A90	Turn Left
A90	<u>Nigg Way</u>	Turn Left
Nigg Way	Gardener Drive	Turn Left
Gardener Drive	Faulds Gate	Straight On
Faulds Gate	Provost Watt Drive	Turn Left
<i>Provost Watt Drive</i>	<i>Abbotswell Drive</i>	Turn Left
Abbotswell Drive	Great Southern Road	Turn Left
Bridge of Dee Roundabout	Asda Roundabout	Turn Left
<u>Asda Roundabout/A90</u>	Sainsbury Roundabout	Complete Roundabouts
Sainsbury Roundabout	Garthdee Road	Straight on
Garthdee Road	Pitfodels Station Road	<u>Turn Right</u>
Pitfodels Station Road	North Deeside Road	Turn Left
<i>North Deeside Road</i>	<i>Westerton Road</i>	Turn Left
Westerton Road	Inchgarth Road	Turn Left
Inchgarth Road	Auchinyell Road	Turn Left
Auchinyell Road	South Anderson Drive	Turn Round
Auchinyell Road	Garthdee Road	Turn Left
Garthdee Road	Scott Cassie Circle	Turn Right and complete
Scott Cassie Circle	Garthdee Road	Turn Right
Garthdee Road	<u>South Anderson Drive</u>	Turn Left
<i>South Anderson Drive</i>	Broomhill Road	Turn Right
Broomhill Road	Holburn Street	Straight On
Holburn Street	Great Southern Road	Turn Right
Great Southern Road	Riverside Drive	Turn Right

Route 2 Cont

Riverside Drive	<u>Riverside Place HGV</u>	Turn Right
Riverside Place HGV	Holburn Street	Turn Left
Holburn Street	<u>Bridge of Dee R/about</u>	Turn Left
HGV Route	Riverside Place HGV	Turn Left
<i>Riverside Place HGV</i>	<i>Holburn Street</i>	Turn Right
Holburn Street	<u>Great Western Road</u>	Turn Left
Great Western Road	Deeside Drive	Turn Left
Deeside Drive Complete	Return to North Deeside Road	Turn Right
<i>North Deeside Road</i>	<i>Springfield Road</i>	Turn Left
<i>Springfield Road</i>	<i>Craigton Road</i>	Turn Left
Craigton Rd/Friarsfield Rd	Kirk Brae & return to top of hill	Turn Left
Past Hillhead	Countesswells Road	Turn Left
Countesswells Road	Mains of Countesswells	Turn Around
Countesswells Road	Countesswells Avenue	Turn Left
Countesswells Avenue	return to Countesswells Rd	Turn Left
Counteswells Road	Airyhall Avenue	Turn Right
Airyhall Avenue	Craigton Road	Turn
<i>Airyhall Avenue</i>	<i>Countesswells Road</i>	Turn Right
Countesswells Road	Gt Western Road	Turn Right
Craigton Road	Springfield Road	Turn Right
Springfield Road	Seafield Road	Turn Right
Seafield Road	Anderson Drive	Straight on
Cromwell Road	Forest Avenue	Turn Right at R/About
Forest Avenue	Gt Western Road	Turn Left
<i>Gt Western Road</i>	<i>Ashley Road</i>	Turn Left
Ashley Road	Union Grove	Turn Right
Union Grove	Holburn Street	Turn Right
<i>Holburn Street</i>	<i>Willowbank Road</i>	Turn Left
Willowbank Rd/Springbank Terr/Wellington PI	South College Street	Turn Left
South College Street	South College Street Via Wapping Street	Straight On
South College Street	QE11 Roundabout	Finish

Route 3

= TRAFFIC CALMING

STREET	TO	DIRECTION
<i>Craigshaw Drive</i>	<i>West Tullos Road</i>	Turn Left
<i>West Tullos Road</i>	<i>Great Southern Road</i>	Turn Right
<i>Great Southern Road</i>	<i>Riverside Drive</i>	Turn Right
Riverside Drive	South College Street	Turn Left
South College Street	Bridge Street	Straight On
Bridge Street	Union Street	Straight On
Union Terrace	Rosemount Viaduct	Turn Left
Rosemount Viaduct	Skene Street	Turn Left
Skene Street	Carden Place	Straight On
Carden Place	Queens Cross Roundabout	Complete, Turn Left
Albyn Place	Union Street	Straight On
Union Street	King Street	Turn Left
King Street	East North Street	Turn Right
East North Street	Boulevard R/About	Turn
East North Street	King Street	Turn Left
King Street	Union Street	Turn Right
Union Street	Holburn Street	Turn Left
Holburn Street	Union Grove Junction	Straight On
Holburn Street	<i>Fonthill Road</i>	Turn Left
Fonthill Road	Ferryhill Road/Polmuir Rd	Turn Right
Polmuir Road	Murray Terrace	Turn Right
Murray Terrace	Bright Street	Turn Right
Bright Street	Brunswick Place	Turn Right
Brunswick Place	Polmuir Road	Turn Left
Polmuir Road	Ferryhill Road	Straight On
Ferryhill Road	Crown Street	Turn Left
Crown Street	Springbank Terrace	Turn Left
Springbank Terrace	Bon Accord Street	Turn Right
Bon Accord Street	Union Street	Turn Right
Union Street	Crown Street	Turn Right
Crown Street	Springbank Terrace	Turn Right
<i>Springbank Terrace</i>	<i>Albury Road</i>	Turn Left
Albury Road	Caledonian Place	Turn Right
Caledonian Place	Bon Accord Street	Turn Right
Bon Accord Street	Whinhill Road	Straight On
Whinhill Road	Gt Southern Road	Turn Left
<u>Gt Southern Road</u>	<u>Riverside Drive</u>	Turn Around At R/about
<u>Gt Southern Road</u>	<u>Holburn Street</u>	Turn Around At R/about
<u>Gt Southern Road</u>	<u>Murray Terrace</u>	Turn Left
Murray Terrace	Polmuir Road Via Bright Street/Sycamore Place	Turn Right
Polmuir Road	Riverside Drive	Turn Left
Riverside Drive	QE II Roundabout	Straight On
North Esplanade West	<u>Market Street</u>	Turn Left
Market Street	Virginia Street	<u>Turn Right</u>
Virginia Street	<u>Commerce Street</u>	Turn Left
	<u>Route 3 contd</u>	

Commerce Street	<u>Beach Boulevard R/Abt</u>	Turn Round
Commerce Street	Virginia Street	Turn Right
Virginia Street	Market Street	Turn Left
Market Street	North Esplanade West	Turn Right
<i>North Esplanade West</i>	<i>QE II Roundabout</i>	Turn Around
<i>North Esplanade West</i>	<u>Market Street</u>	Turn Left
<i>Market Street</i>	<i>Virginia Street</i>	<u>Turn Right</u>
<i>Virginia Street</i>	<i>Commerce Street</i>	Straight On
Castle Terrace	Miller Street	Straight On
Miller Street/St. Clements Street	Wellington Street	Turn Left
Wellington Street	York Street	Turn Right
York Street	Esplanade	Turn Left
Esplanade	King Street	Turn Left
King Street	East North Street	Turn Left
East North Street	Commerce Street	Straight On
Commerce Street	Waterloo Quay	Turn Left
Waterloo Quay	Wellington Street	Turn Left
Wellington Street	Esplanade	Turn Round
Esplanade	Links Road	Turn Right
Links Road	Beach Boulevard	Turn Left
Beach Boulevard	East North Street R/about	Turn Round
Beach Boulevard	Esplanade	Turn Round
Beach Boulevard	Links Road	Turn Left
Links Road	Urquhart Road	Turn Left
Urquhart Road	King Street	Turn Right
<i>King Street</i>	<i>Seaforth Road</i>	Turn Right
Seaforth Road	Park Road	Turn Right
Park Road/Park Street	East North Street R/about	Turn Round
Park Street	Constitution Street	Turn Right
Constitution Street	Links Road	Turn Left
Links Road	Beach Ballroom R/A	Complete Roundabout
<i>Links Road</i>	<i>Urquhart Road</i>	Turn Right
<i>Urquhart Road</i>	<i>Park Road</i>	Turn Right
Park Road/ Golf Road	School Road	Turn Left
School Road	King Street	Turn Right
King Street	Don Street	Turn Left
Don Street	Hillhead Halls	Turn Round
<i>Hillhead Halls</i>	<i>King Street</i>	Turn Left
King Street/Ellon Road	North Donside Rd	Turn Round
Ellon Road	Esplanade	Turn Left
Esplanade	York Street	Turn Right
York Street	York Place	Turn Left
<u>York Place</u>	<u>Waterloo Quay</u>	Turn Right
<u>Waterloo Quay</u>	Regent Quay	Straight On
Regent Quay	Trinity Quay	Finish

= TRAFFIC CALMING

STREET	TO	DIRECTION
Craigshaw Drive	Wellington Road	<u>Turn Right</u>
Wellington Road	Nigg Post Office	Complete R/About/Turn Around
Wellington Road	Queen Elizabeth South R/About	Complete R/About/Turn Left
Queen Elizabeth Bridge	South College St R/About	Turn Around
Queen Elizabeth Bridge	South Esplanade West	Turn Left
South Esplanade West	Victoria Road	Turn Right
Victoria Road	Menzies Road	Turn Right
Menzies Road	Wellington Road	Turn Left
Wellington Road	A90	Turn Left
A90	Marywell Roundabout	
Marywell Roundabout	Old Stonehaven Road	3 rd Exit
Old Stonehaven Road	Old Wellington Road	Turn Right
Old Wellington Road	Business Park	Complete r/aboutStraight on
Business Park	Wellington Road	Turn Left
Wellington Road	Old Stonehaven Rd before Charleston Flyover	Turn Round
Wellington Rd	Wellington Circle	Turn Left
Wellington Circle		Complete
Wellington Circle	Wellington Rd	Turn Left
Wellington Rd	Hareness Road	Turn Right
Hareness Road	Crawpeel Road	Turn Right
Crawpeel Road	Souterhead Road	Turn Right
Souterhead Road	Wellington Road	Turn
Souterhead Road	Blackness Road	Turn Left
Blackness Road	Hareness Road	<u>Turn Left</u>
Hareness Road	Crawpeel Road	Turn
Hareness Road	Hareness Circle East	Turn Right
Hareness Circle	Hareness Road	Turn Right
Hareness Road	Minto Road	Turn Left
Minto Road	Minto Drive	Turn Left
Minto Drive	Minto Avenue	Turn Right
Minto Avenue	Minto Drive	Turn Right
Minto Drive	Minto Avenue	Turn Left
Minto Avenue	Hareness Road	Turn Left
Hareness Road	Coast Road	Turn Left
Coast Road	St Fitticks Road	Turn Left
St Fitticks Road	Balnagask Road	Turn Left
Balnagask Road	Old Church Road	Turn Left
Old Church Road	Girdleness Road	Turn Right
Girdleness Road	Wellington Road	Turn Right
Wellington Road	Balnagask Road	Turn Right
Balnagask Road	Old Church Road	Turn Right
Old Church Road	Girdleness Road	Turn Left
Girdleness Road	Balnagask Road	Turn Right
Balnagask Road	Balnagask Circle	<u>Turn Right</u>
Balnagask Circle	Girdleness Road	Turn Right

<i>Girdleness Road</i>	<i>Balnagask Road</i>	<u>Turn Right</u>
<i>Balnagask Road</i>	<i>St Fitticks Road</i>	Turn Left
St Fitticks Road	Victoria Road	Turn Left
Victoria Road	Menzies Road	Turn Left
<i>Menzies Road</i>	<i>Wellington Road</i>	<u>Turn Left</u>
Wellington Road	Polwarth Road	Turn Left
Polwarth Road	Walker Road	Turn Left
<i>Walker Road</i>	<i>Grampian Place</i>	Turn Right
<i>Grampian Place</i>	<i>Grampian Road</i>	Turn Right
<i>Grampian Road</i>	<i>Polwarth Road</i>	Turn Right
Polwarth Road	Walker Road	Turn Right
Walker Road	Victoria Road	Turn Right
<i>Victoria Road</i>	<i>Grampian Road</i>	Turn Right
Grampian Road	Polwarth Road	Turn Left
Polwarth Road	Oscar Road	Turn Left
Oscar Road	Glenbervie Road	Turn Right
Glenbervie Road	Mansefield Road	Turn Right
Mansefield Road	Balnagask Road	Turn Right
Balnagask Road	Tullos Place	Turn Right
Tullos Place/Circle	Grampian Place	• Turn Left
Grampian Place	Grampian Road	Turn Right
Grampian Road	Glenbervie Road	Turn Right
Glenbervie Road	Oscar Road	Turn Right
Oscar Road	Grampian Place	Turn Right
Grampian Place	Wellington Road	Turn Left
<i>Wellington Road</i>	<i>Langdykes Road</i>	Turn Left
Langdykes Road	Earns Heugh Road	Turn Right
Earns Heugh Road	Loirston Avenue	Turn Left
Loirston Avenue	Loirston Road	Straight on
Loirston Road	Unnamed road	Turn Left
Unnamed road	Langdykes Rd	Turn Left
Langdykes Road	Loirston Road	Turn Left
Loirston Road	Cove Road	Turn Right
Cove Road	Cove Crescent 2nd Junction	Turn Left
Cove Crescent	Cove Road	Turn Left
Cove Road	Old Wellington Road	Straight On
Cove Road	Old Stonehaven Road	Turn Left
Old Stonehaven Road	Old Wellington Road	Turn Right
<i>Old Wellington Road</i>	<i>Cove Road</i>	Turn Right
<i>Cove Road</i>	<i>Charleston Road</i>	Turn Left
Charleston Road	End of Road	Turn Round
School Slip Road	Charleston Road	Turn Left
<i>Charelston Road</i>	<i>Cove Road</i>	Turn Left
<i>Cove Road</i>	<i>Earns Heugh Road</i>	Turn Left
Earns Heugh Road	Langdykes Road	Turn Right
Langdykes Road	Coast Road	Turn Left
Coast Road	Hareness Road	
East Tullos Ind. Estate		Finish

Route 5

= TRAFFIC CALMING

STREET	TO	DIRECTION
<i>Depot</i>	<i>South Esplanade West</i>	Turn Right
South Esplanade West	Victoria Road	Turn Left
Victoria Road	Victoria Bridge	Straight On
<i>Victoria Bridge</i>	<i>Guild Street</i>	Turn Left
Guild Street	Wapping Street	Turn Right
Wapping Street	Rennies Wynd	Turn Right
Rennies Wynd	Guild Street	Turn Left
Guild Street	Market Street	Turn Left
Market Street	Union Street	Turn Right
<i>Union Street</i>	<i>Broad Street</i>	Turn Left
Broad Street	Queens Street	Turn Right
Queens Street	Arts Centre	Turn Round
Queens Street	Broad Street	Turn Right
Broad Street	Little John Street	Turn Right
Little John Street	Mealmarket Street	Straight On
Mealmarket Street	King Street	Turn Left
King Street	Mounthooly Way	Turn Left
Mounthooly Way	Mounthooly R/about	Turn Left
Mounthooly R/about	Nelson Street	Turn Left
Nelson Street	King Street	Turn Right
King Street	St. Clair Street	Turn Right
St Clair Street	West North Street	Turn Right
West North Street	Mounthooly Roundabout	Turn Round
West North Street	King Street	Straight On
East North Street	Boulevard Roundabout	Turn Round
East North Street	King Street	Straight on
West North Street	Mounthooly R/about	Turn Right
<i>Mounthooly Way</i>	<i>King Street</i>	Turn Left
King Street	St. Machar Drive	Turn Left
St. Machar Drive	Great Northern Road	Turn Round
St. Machar Drive	Sandilands Drive	Turn Left
Sandilands Drive	Barron Street	Turn Left
Barron Street	Great Northern Road	Turn Left
Great Northern Road	St. Machar Drive	Turn Round
Great Northern Road	Haudigan Roundabout	Turn Around
Great Northern Road	Powis Terrace	Straight on
Powis Terrace	Powis Place	Turn Left
Powis Place	Mounthooly Roundabout	Turn Left
<i>Mounthooly R/about</i>	<i>Kings Crescent</i>	Turn Left
<u>Kings Cres.</u>	<u>Spital</u>	Straight On
<u>Spital</u>	<u>College Bounds</u>	Straight On
College Bounds/High St.	St Machar Drive	Turn Left
St. Machar Drive	Tillydrone Avenue	Turn Right

Tillydrone Avenue	Hayton Road	Turn Left
Hayton Road	Donbank Terrace	Turn Right
Donbank Terrace	Gordon Mills Road	Turn Right
Gordon Mills Road	Hayton Road	Straight On
<i>Tillydrone Avenue</i>	<i>St. Machar Drive</i>	Straight On
<i>Bedford Road</i>	Powis Terrace	Turn Left
Powis Terrace/ Place	<i>Mounthooly RoundAbout</i>	Turn Round
Powis Place	Powis Terrace	Turn Right
Powis Terrace	Clifton Road	Turn Left
Clifton Road	North Anderson Drive	Turn Left
<i>North Anderson Drive</i>	<i>Hilton Drive</i>	Turn Left
Hilton Drive	Six Roads/ Cairncry Road	Turn Right
Cairncry Road	North Anderson Drive	Turn Left
<i>North Anderson Drive</i>	<i>Foresterhill Road</i>	Turn Left
Foresterhill Road	Ashgrove Road West	Turn Left
Ashgrove Road West	Westburn Drive	Turn Left
Westburn Drive	Six Roads/Rosehill Drive	2 nd Left
Rosehill Drive	North Anderson Drive	Turn Around
Rosehill Drive	Hilton Avenue	Turn Left
Hilton Avenue	Hilton Drive	Turn Left
Hilton Drive	Manor Avenue	Through Bus Gate
Manor Avenue	Logie Terrace	Turn Right
Logie Terrace	Logie Place	Turn Right
Logie Place	Manor Terrace	Turn Right
Manor Terrace	Manor Avenue	Turn Left
Manor Avenue	Hilton Drive	Through Bus Gate
<i>Hilton Drive</i>	<i>Hilton Avenue</i>	Turn Left
Hilton Avenue	Clifton Road	Turn Left
<i>Clifton Road</i>	<i>Hilton Road</i>	<u>Turn Left</u>
Hilton Road	Hilton Drive	Turn Right
Hilton Drive	N. Anderson Drive	Turn Left
<i>N Anderson Drive</i>	<i>Hilton Road</i>	Turn Left
<i>Hilton Road</i>	<i>Hilton Drive</i>	Turn Right
<i>Hilton Drive</i>	<i>Six Roads/Hilton Street</i>	Turn Left
Hilton Street	Clifton Road	Straight on
Leslie Road	Great Northern Road	Turn Round
Leslie Road	Six Roads/ Back Hilton Road	Turn Left
Back Hilton Road	Belmont Road	Turn Left
<i>Belmont Road</i>	<i>Powis Terrace</i>	Turn Right
<i>Powis Terrace</i>	<i>George Street</i>	Straight on
George Street	St. Andrews Street(Bus Lane)	Turn Left
St. Andrews Street	Loch Street	Turn Right
Loch Street	Berry Street	Turn Left
Berry Street	Gallowgate	Turn Right
Gallowgate	Little John Street	Finish

Route 6

= TRAFFIC CALMING

STREET	TO	DIRECTION
Wapping Street	Denburn Dual Carriageway	Turn Left
Denburn Dual Carr	Woolmanhill Roundabout	Turn Round
Woolmanhill Roundabout	Giratory System	Complete
<i>Denburn Dual Carriageway</i>	<i>Woolmanhill Roundabout</i>	Straight Ahead
Woolmanhill Roundabout	Skene Square	Turn Round
Skene Square	Woolmanhill Roundabout	Turn Round
<i>Woolmanhill Roundabout</i>	<i>Skene Square</i>	Straight Ahead
Skene Square	Caroline Place	Straight On
Caroline Place	Berryden Road	Straight On
Berryden Road	Belmont Road	Straight on
Belmont Road	Powis Terrace	Turn Left
Powis Terrace	Ashgrove Road	Turn Left
AshGrove Road	Ashgrove Road West	Straight On
Ashgrove Road West	North Anderson Drive	Turn Left
<i>North Anderson Drive</i>	<i>Westburn Road</i>	Turn Left
Westburn Road	Westburn Drive	Turn Left
Westburn Drive	Ashgrove Road West	Turn Left
<i>Ashgrove Road West</i>	<i>Cornhill Road</i>	Turn Left
Cornhill Road	Westburn Drive	Turn Right
<i>Westburn Drive</i>	<i>Westburn Road</i>	Turn Left
Westburn Road	Mounthooly Roundabout	Turn Right
Mounthooly	Gallowgate	Turn Left
Gallowgate	Upperkirkgate	Turn Right
Upperkirkgate	Schoolhill	Straight on
Schoolhill	Rosemount Viaduct	Straight on
Rosemount Viaduct	South Mount Street	Straight on
South Mount Street	Rosemount Place	Turn Right
Rosemount Place	Maberley Street	Straight On
Maberley Street	Spring Garden	Straight On
Spring Garden	Gallowgate	Turn Left
Gallowgate	Hutcheon Street via Mounthooly	Turn Left
Hutcheon Street	Mount Street	Turn Left
Mount Street	Rosemount Place	Turn Right
Rosemount Place	Argyl Place	Turn Right
Argyl Place	Westburn Road	Turn Left
Westburn Road	Camperdown Road	Turn Left
Camperdown Road	Mid-Stocket Road	Turn Right
Mid-Stocket Road	Harcourt Road	Turn Right
Harcourt Road	Westburn Road	Turn Left
Westburn Road	Raeden Park Road	Turn Left
Raden Park Road	Midstocket Road	Turn Left
Mid-Stocket Road	Camperdown Road	Turn Left
Camperdown Road	Westburn Road	Turn Left
Westburn Road	North Anderson Drive	Turn Left

Route 6 Cont.

<i>North Anderson Drive</i>	<i>Mid-Stocket Road</i>	Turn Left
Mid-Stocket Road	Beechgrove Terrace	Turn Right
Beechgrove Terrace	Queens Road via Kings Gate	Turn Left
<i>Queens Road</i>	<i>Springfield Road</i>	<i>Turn Right</i>
<i>Springfield Road</i>	<i>Craigiebuckler Avenue</i>	Turn Right
Craigiebuckler Avenue	Hazledene Road via Bus Terminus	Turn Right
Hazledene Road	Queens Road	Turn Right
Queens Road	Forest Avenue	Turn Right
<i>Forest Avenue</i>	<i>Union Grove</i>	Turn Left
Union Grove	St.Swithin Street	Turn Left
St. Swithin Street	Queens Road	Straight On
Fountainhall Road	Kingsgate	Turn Left
<i>Kingsgate</i>	<i>Forest Road</i>	Turn Left
Forest Road	Queens Road	Turn Left
Queens Road	Fountainhall Road	Turn Left
<i>Fountainhall Road</i>	<i>Desswood Place</i>	Turn Right
Desswood Place	Albert Street via Whitehall Place	Turn Right
Albert Street	Victoria Street	Turn Right
Victoria Street	Alford Place	Turn Left
<i>Alford Place</i>	<i>Rose Street Via Union Street</i>	Turn Left
Rose Street	Esslemount Avenue	Straight On
Esslemount Avenue	Rosemount Place	Turn Left
<i>Rosemount Place</i>	<i>Craigie Loanings</i>	Turn Left
Craigie Loanings	Whitehall Place	Turn Left
Whitehall Place	Leadside Road	Straight On
Leadside Road	Rosemount Viaduct	Turn Right
Rosemount Viaduct	Skene Street	Turn Left
Skene Street	Woolmanhill Roundabout	2 nd Left
John Street	Loch Street	Turn Right
Loch Street	Berry Street Roundabout	Turn Round
Berry Street	St Andrews Street	Turn Left
St .Andrews Street	George Street	Straight On
St. Andrews Street	Charlotte Street	Turn Right
Charlotte Street	Maberley Street	Turn Right
<i>Maberley Street</i>	<i>George Street</i>	Turn Right
<i>George Street</i>	<i>St. Andrews Street</i>	Turn Right
<i>St. Andrews Street</i>	<i>Charlotte Street</i>	Straight On
St. Andrews Street	Blackfriars Street	Turn Left
Blackfriars Street	Rosemount Viaduct	Finish

ROUTE 7

= TRAFFIC CALMING

STREET	TO	DIRECTION
<i>Bucksburn Depot</i>	<i>Bankhead Ave</i>	<u>Turn Right</u>
Bankhead Ave	Bankhead Rd	Turn Left
Bankhead Rd	Greenburn Dr	Turn Left
Greenburn Dr	A96	Turn Left
A96	A947 via McDonalds	Turn Left
A947	Old Stoneywood Road	Turn Left
Old Stoneywood Road	Greenburn Dr	<u>Turn Right</u>
Greenburn Dr	Bankhead Road	<u>Turn Left</u>
Bankhead Road	Old Meldrum Road	<u>Turn Left</u>
<u>Old Meldrum Road</u>	A947	<u>Turn Left</u>
A947	A96 R/About	Turn Left
<i>A96</i>	<i>Old Meldrum Road</i>	Turn Left
Old Meldrum Rd	<u>Gilbert Road</u>	Turn Left
Gilbert Road	A96	Turn Left
<i>A96</i>	<i>Old Meldrum Road</i>	Turn Left
<i>Old Meldrum Rd</i>	<i>Malcolm Rd</i>	Turn Left
Malcolm Rd	A96	Turn Left
<i>A96</i>	<i>Oldmeldrum Rd</i>	Turn Left
Old Meldrum Rd	A947 Stoneywood Rd	Turn Left
<i>A947 Stoneywood Rd</i>	<i>A96/A947 R/About</i>	Turn Around
A947 Stoneywod Rd Etc	Parkhill Bridge	Turn Around
COMPLETE 3 ROUNDABOUTS ON ROUTE		
<i>A947 Parkhill Bridge</i>	<i>Riverview Dr - North R/A</i>	Turn Left
Riverview Drive	Netherview Avenue	Turn Right
Netherview Avenue	Dyce Academy	Turn Round
Dyce Academy	Netherview Avenue	Turn Right
Netherview Avenue	Asda Terminus	Turn Round
Asda Terminus	Netherview Avenue	Straight On
Netherview Avenue	Balloch Way	Turn Right
Balloch Way	Riverview Drive	Turn Right
Riverview Drive	Wellheads Road	Turn Left
Wellheads Road	Burnside Road	Turn Right
Burnside Road	Burnside Drive	
Burnside Drive	Wellheads Road	Turn Right
Wellheads Road	Burnside Road	Turn Left
Burnside Road	Wellheads Road	Turn Right
Wellheads Road	Riverview Drive	Turn Left
Riverview Drive	Stoneywood Road	Turn Left
Stoneywood Road	Old Stoneywood Road	Turn Around
Stoneywood Road	Farburn Terrace	Turn Left
Farburn Terrace	Cordyce View	Turn Left
Cordyce View	Foinavon Circle	Turn Around
Cordyce View	Farburn Terrace	Turn Right
Farburn Terrace	Wellheads Drive	
Wellheads Drive	Wellheads Cres South Jcn	Turn Left

Route 7 Cont.

Wellheads Cresc	Wellheads Drive	Turn Left
Wellheads Drive	Dyce Drive	Turn Left
Dyce Drive	A96 R/About	Turn Around
Dyce Drive	A947	Turn Right
A947/Victoria St	Pitmedden Rd	Turn Right
<u>Pitmedden Rd</u>	<u>Kirton Avenue North Jcn</u>	Turn Right
<u>Kirton Avenue</u>	<u>Pitmedden Road</u>	Turn Right
<u>Pitmedden Road</u>	<u>Dyce Drive</u>	
<i>Dyce Drive</i>	<i>Bendauch Road</i>	Turn Right
Bendauch Rd/Caskieben Rd	A96	Turn Left
<i>A96 Inverurie Rd</i>	<i>Chapel Brae</i>	Turn Left
Chapel Brae	Dyce Drive	Turn Left
Kirkhill Ind Estate Roads		Complete
Howe Moss		Complete

Route 8

= TRAFFIC CALMING

<u>STREET</u>	TO	DIRECTION
Bucksburn Depot	Greenburn Drive	<u>Turn Right</u>
Greenburn Drive	Stoneywood Road	<u>Turn Right</u>
Stoneywood Road	Oldmeldrum Road	Turn Left
Oldmeldrum Road	Mugiemoss Road	Turn Left
Mugiemoss Road	Parkway	Turn Left
<i>Parkway</i>	<i>Laurel Drive</i>	Turn Right
Laurel Drive	Fairview Brae	Turn Left
Fairview Brae	Fairview Street	Turn Left
Fairview Street	Laurel Drive	Turn Left
Laurel Drive	Laurel Place	Turn Right
Laurel Place	Laurel Drive	Turn Left
Laurel Drive	Fairview Brae	Turn Right
Fairview Brae	Fairview Street	Turn Right
Fairview Street	Parkway R/about	Straight On
Whitestripes Avenue	Jesmond Drive	Turn Left
Jesmond Drive	Ashwood Terminus	Turn Round
Jesmond Drive	Lee Cres. North	Turn Right
Lee Cres. North	Jesmond Drive	Turn Right
Jesmond Drive	Newburgh Drive East	Turn Left
Newburgh Drive East	Jesmond Drive	Turn Left
<i>Jesmond Drive</i>	<i>Scotstown Road</i>	<u>Turn Right</u>
<u>Scotstown Road</u>	Balgownie Road	Turn Left
Balgownie Road	Ellon Road	Turn Left
Ellon Road	Parkway East	Turn Right
Parkway East	Park & Ride Terminus	Turn Round
Park & Ride Terminus	Parkway East Rabout	Straight On
Claymore Drive	Exploration Drive	Straight On
Exploration Drive	Parkway East	Straight On
Parkway East	Ellon Road	Turn Left
Ellon Road	North Donside Road	Turn Right
North Donside Road	<u>Scotstown Road</u>	Turn Left
<i>Scotstown Road</i>	<i>Balgownie Road</i>	Turn Right
Balgownie Road	<u>Balgownie Drive</u>	Turn Left
Balgownie Drive	<u>Bus Terminus</u>	Turn Round
Balgownie Drive	<u>Granhholm Drive</u>	Turn Right
Granhholm Drive	<u>Grandholm Crescent</u>	Turn Left
Grandholm Crescent	<u>Granhholm Drive</u>	Turn Right
Granhholm Drive	<u>Balgownie Drive</u>	Turn Right
Balgownie Drive	<u>Balgownie Road</u>	Turn Left
Balgownie Road	<u>Braehead Way</u>	Turn Right
Braehead Way	<u>Scotstown Road</u>	Turn Left

Route 8 Cont.

<u>Scotstown Road</u>	<u>Parkway Roundabout</u>	Turn Round
Scotstown Road	Braehead Way	Turn Right
Braehead Way	Bodachra Road	Turn Left
<i>Bodachra Road</i>	<i>Balgownie Road</i>	Turn Right
<i>Balgownie Road</i>	<i>Parkway</i>	Turn Left
Parkway	Whitestripes Avenue	Turn Right
Whitestripes Avenue	Whitestripes Road	Turn Left
<u>Whitestripes Road</u>	<i>Scotstown Road</i>	Turn Right
<u>Scotstown Road</u>	<i>Parkway</i>	Turn Round
<i>Scotstown Road</i>	Dubford Road	Turn Right
<u>Dubford Road</u>	<i>Bus Terminus</i>	Turn Round
<i>Dubford Road</i>	Dubford Crescent	Turn Right
Dubford Crescent	<i>Dubford Road</i>	Turn Left
<i>Dubford Road</i>	Greenbrae Drive	Turn Right
Green brae Drive	<i>Denmore Road</i>	Turn Right
Denmore Road	<i>Woodside Road</i>	Turn Right
Woodside Road	<i>Parkway</i>	Turn Right
<i>Parkway</i>	Broadfold Road	Turn Left
Broadfold Road	<i>Ellon Road</i>	Turn Left
<i>Ellon Road</i>	Parkway	Turn Left
<i>Parkway</i>	Woodside Road	Turn Right
Woodside Road	<i>Denmore Road</i>	Turn Right
<i>Denmore Road</i>	<i>Greenbrae Drive</i>	Straight On
Denmore Road	<u>B999</u>	Turn Right
B999	<u>A90 R/about</u>	Turn Round
B999	<u>Potterton</u>	Turn Round
<i>B999</i>	<i>Shielhill Road</i>	Turn Right
Shielhill Road	<u>Scotstown Road</u>	Turn Left
<i>Scots town Road</i>	<i>Jesmond Drive</i>	Turn Right
<i>Jesmond Drive</i>	<i>Jesmond Avenue</i>	Turn Left
Jesmond Avenue	<u>Whitestripes Avenue</u>	Turn Left
<i>Whitestripes Avenue</i>	<i>Parkway</i>	Turn Round
<i>Whitestripes Avenue</i>	<i>Valentine Road</i>	Turn Right
Valentine Road	<u>Jesmond Avenue North</u>	Turn Left
Jesmond Avenue North	<u>Whitestripes Avenue</u>	Straight On
Whitestripes Road	<u>Upper Persley</u>	Turn Left
Upper Persley	<u>Laurel Drive R/about</u>	Straight On
Laurel Drive	Laurel Place	Turn Right
Laurel Place	Laurel Braes	Turn Right
Laurel Braes	Laurel Wynd	Turn Right
Laurel Wynd	Laurel Braes	Turn Left
Laurel Braes	Laurel Place	Turn Right
Laurel Place	Laurel Drive	Turn Left
Laurel Drive	Fairview Brae	Finish

Route 9

= TRAFFIC CALMING

STREET	TO	DIRECTION
Depot	A96	Straight On
Sclettie Park	Kepplehills Road	Turn Right
Kepplehills Road	Newhills Avenue	Turn Left
Newhills Avenue	Netherhills Avenue	Turn Left
Netherhills Avenue	Kepplehills Road	Turn Right
Kepplehills Road	Inverurie Road	Turn Right
Inverurie Road	A96	Turn Left
A96	<i>Howes Road</i>	Turn Right
Howes Road	Police Station	Turn Right
Police Station	Inverurie Road	Turn Left
Inverurie Road	A96	Turn Left
A96	<i>Sclettie Park</i>	Turn Left
<i>Sclettie Park</i>	Kepplehills Drive	Turn Right
Kepplehills Drive	<i>Kepplehills Road</i>	Turn Right
Kepplehills Road/Newhills Road	Forrit Brae	Turn Right
Forrit Brae	A96	Turn Left
A96	<i>Chapel Brae</i>	Turn Left
Chapel Brae	A944 Roundabout	Turn Round
A944 Roundabout	Kingswood Drive	Turn Right
Kingswood Drive	Kingswells Avenue	Turn Right
<i>Kingswell Avenue</i>	Kingswells Crescent	Turn Left
Kingswells Crescent	Kingswood Drive	Turn Right
Kingswood Drive	Kingswells Drive	Turn Left
Kingswells Drive	Kingswood Drive	Turn Left
Kingswood Drive	Inset Road At Shops	Turn Right
Inset Road	Kingswell Avenue	Turn Left
Kingswell Avenue	Kingswood Drive	Turn Right
Kingswood Drive	Newhills Road	Turn Right
Newhills Road	Kingswells Crescent	Turn Right
Kingswells Crescent	Kingswood Drive	Turn Left
Kingswood Drive	Fairley Road	Turn Left
Fairley Road	A944	
<i>A944 Roundabout</i>	<i>Maidencraig Roundabout</i>	Turn Left
Maidencraig R/about	North Anderson Drive	Turn Right
<i>North Anderson Drive</i>	<i>Kingsgate</i>	Turn Right
<i>Kingsgate</i>	<i>Summerhill Road</i>	Turn Right
<i>Summerhill Road</i>	Langstracht	Turn Left
<i>Langstracht</i>	<i>Stronsay Drive</i>	Turn Left
Stronsay Drive	Kingsgate	Turn Left
<i>Kingsgate</i>	<i>Summerhill Road</i>	Turn Left
<i>Summerhill Road</i>	<i>Summerhill Terrace</i>	Turn Left
Summerhill Terrace	Eday Road	Straight On
Eday Road	Bressay Brae	Turn Round

Route 9 Cont.

<i>Bressay Brae</i>	<i>Rousay Drive</i>	Turn Left
Rousay Drive	Langstracht	Turn Left
Langstracht	Maidencraig Roundabout	Turn Round
Maidencraig R/about	Cockers Farm Entrance	Turn Round
Cockers Farm Entrance	Kingswells via Bus Gate	Turn Left
<i>Fairley Road</i>	<i>A944 Roundabout</i>	Turn Right
A944 Roundabout	<i>Borrowstone Turning</i>	Turn Right
Borrowstone Turning	Accommodation Road	Turn Right
Accommodation Road/B979	A96	Turn Left
<i>A96</i>	<i>Blackburn R/about</i>	Turn Left
Blackburn R/about	<u>Tulloch Road</u>	Turn Left
<u>Tulloch Road</u>	<u>Forrit Brae</u>	Finish

Route 10

= TRAFFIC CALMING

STREET	TO	DIRECTION
Culter Depot	Malcolm Rd	Turn Right
Malcolm Rd	Johnston Gdns	Turn Right
Johnston Gdns	Bus Terminus return Malcolm Rd	Turn
Malcolm Rd	North Deeside Rd	Turn Left
North Deeside Rd	Milltimber Brae	Turn Right
Milltimber Brae	South Deeside Rd	Turn Around
<i>Milltimber Brae</i>	<i>North Deeside Rd</i>	Turn Right
North Deeside Rd	Springfield Rd	Turn Left
Springfield Rd	Queen's Rd	Turn Left
Queen's Rd	Hazlehead R/About	Straight On
Queen's Rd/Skene Rd (inc Bus Terminus)	Crematorium Rd	Turn Left
Crematorium Rd	Car Park and Return to A944	Turn Left
Skene Rd	Six Mile Junction via top slip road	Turn Around
Six Mile Junction	Jessiefield	Turn Right
Jessiefield	Maidencraig R/About via low slip road	Straight on
Cults-Kingswells Rd	Loanhead	Turn Left
Blacktop Rd	Baillieswells Rd	Turn Left
Baillieswells Rd	North Deeside Rd	Turn Left
<i>North Deeside Rd</i>	<i>Kirk Brae</i>	Turn Left
Kirk Brae	Back to Loanhead/Blacktop	
Blacktop Rd	Mill of Brotherfield	Turn Right
Bishopdams Rd	Six Mile junction	Turn Left
<i>Six Mile Junction</i>	<i>Cairnie Roundabout</i>	Turn Left
RE-LOAD IF REQUIRED AT GARLOGIE		
Cairnie R/About	North Deeside Rd	
<i>North Deeside Rd</i>	<i>Contlaw Rd</i>	Turn Left
Contlaw Rd/Culterhouse Rd	Malcolm Rd	Turn Left
<i>Malcolm Rd</i>	<i>North Deeside Rd</i>	Turn Right
<i>North Deeside Rd</i>	<i>Easter Anguston Rd</i>	Turn Right
TO BE TREATED IF REQUIRED		
Easter Anguston Rd	Aberdeen Boundary	Turn Around
<i>Return to Linn Moor Rd</i>		
Linn Moor Road	School and return	Finish

Route 10A

= TRAFFIC CALMING

STREET	TO	DIRECTION
CULTER		
<i>Culter Depot</i>	<i>School Rd</i>	
School Rd	Lochnagar Cres	<u>Turn Right</u>
Lochnagar Cres	Lochnagar Rd	Turn Right
Lochnagar Rd	School Rd	Turn Left
<i>School Rd</i>	<i>Coronation Rd</i>	Turn Left
Coronation Rd	North Deeside Rd	Complete Health Centre Turn Left
<u>PROCEED TO CULTS BUS ROUTE</u>		
CULTS		
<i>North Deeside Rd</i>	<i>Quarry Rd</i>	<u>Turn Left</u>
Quarry Rd	Earlswell Rd complete entrance to Cults Primary	Turn Left
Earlswell Rd	Hillview Cres	Turn Left
Hillview Cres/Hilltop Rd	Hilltop Ave	Turn Left
Hilltop Ave	Kirk Terr	Turn Left
Kirk Terr/Kirk Pl/Garden Rd	Kirk Terr	Turn Left
Kirk Terr	Kirk Brae	Turn Right
<i>Kirk Brae</i>	<i>North Deeside Rd</i>	Turn Right
<i>North Deeside Rd</i>	<i>Cults Ave</i>	Turn Right
Cults Ave	Hillview Cres	Turn Left
<i>Hillview Cres</i>	<i>Quarry Rd</i>	Turn Left
<i>Quarry Rd</i>	<i>Manse Rd</i>	Turn Right
Manse Rd/Cairn Rd	Baillieswells Rd	Finish

(c) **TRACTOR ROUTE**

In order to cover car parks and other specific locations/pedestrian areas, the following route will be operated by tractor from Tullos Depot.

Abbey Road / Baxter Street
St Nicholas Street
Greyfriars Car Park
East North Street Car Park
Exhibition Centre (Park and Ride)

Market Stance
Castlegate
Virginia Street / Mearns Street Car Park
Lower Denburn Car Park
Summer Street Car Park

(d) **SNOW CLEARANCE AREAS**

After priority routes have been cleared, when lying snow persists this will be tackled on an area basis in accordance with the following areas.

1.	BUCKSBURN	West of Auchmill Rd Dual Carriageway Section South of Bankhead Road Railway Bridge and Greenburn Drive	
2.	DYCE	North of Bankhead Road Railway Bridge and Greenburn Drive	
3.	BRIDGE OF DON	North of Bridge of Don, and North of Brig o' Balgownie	
4.	KINGSWELLS		
		<u>AREAS BOUNDED BY</u>	
5.	NORTHFIELD	NORTH	Heathryfold Housing Scheme
		SOUTH	Provost Fraser Drive
		EAST	North Anderson Drive
		WEST	Howes Road
6.	WOODSIDE	NORTH	River Don
		SOUTH	Rosehill Drive / Back Hilton Road
		EAST	Great Northern Road / Powis Terrace
		WEST	North Anderson Drive
7.	SEATON / TILLYDRONE	NORTH	River Don
		SOUTH	St Machar Drive - School Road
		EAST	Beach Esplanade
		WEST	Donbank Terrace, Don Street / Great Northern Road
8.	MASTRICK	NORTH	Provost Fraser Drive
		SOUTH	Lang Stracht
		EAST	North Anderson Drive
		WEST	Sheddocksley Housing Scheme

9.	CORNHILL / CAIRNCRY	NORTH	Rosehill Drive / Back Hilton Road
		SOUTH	Westburn Road / Hutcheon Street
		EAST	George Street / Powis Terrace
		WEST	North Anderson Drive
10.	OLD ABERDEEN	NORTH	St Machar Drive / School Road
		SOUTH	Hutcheon Street / Nelson Street / Urquhart Road
		EAST	Beach Esplanade
		WEST	Powis Terrace/George Street
11.	ST. CLEMENTS	NORTH	Nelson Street / Urquhart Road / Hutcheon Street
		SOUTH	Regent Quay / Waterloo Quay
		EAST	Beach Esplanade
		WEST	Mount Street / South Mount Street / Rosemount Viaduct / Schoolhill / St Lang Stracht
12.	WOODEND / SUMMERHILL	NORTH	Skene Road/Queen's Road
		SOUTH	Anderson Drive
		EAST	A944 Lang Stracht
		WEST	
13.	MIDSTOCKET / KINS GATE	NORTH	Westburn Road
		SOUTH	Queen's Road / Carden Place / Skene Street
		EAST	Mount Street / South Mount Street
		WEST	Anderson Drive
14.	CENTRAL AREA	NORTH	Skene Street/Schoolhill
		SOUTH	Willowbank Road / Springbank Terrace/Guild Street
		EAST	St Nicholas Street/Market Street
		WEST	Rose Street/Holburn Street
15.	HAZLEHEAD / BRAESIDE	NORTH	Skene Road / Queen's Road
		SOUTH	North Deeside Road / Great Western Road
		EAST	Anderson Drive
		WEST	Woodlands / Craigton Road
16.	HOLBURN / BROOMHILL	NORTH	Queen's Road / Carden Place
		SOUTH	Holburn Street
		EAST	Rose Street
		WEST	South Anderson Drive
17.	FERRYHILL	NORTH	Willowbank Road / Springbank Terrace / Guild Street
		SOUTH	Riverside Drive / North Esplanade West
		EAST	Market Street
		WEST	Holburn Street

18.	TORY	NORTH	South Esplanade West / East / Greyhope Road
		SOUTH	Tullos Industrial Estate
		EAST	Greyhope Road / Coast Road
		WEST	Wellington Road
19.	MANNOFIELD / GARTHDEE	NORTH	North Deeside Road/Great Western Road
		SOUTH	Garthdee Road
		EAST	South Anderson Drive
		WEST	Pitfodels Station Road
20.	KINCORTH	NORTH	South Deeside Road / Great Southern Road
		SOUTH	Wellington Road (Charleston)
		EAST	Wellington Road
		WEST	City Boundary
21.	COVE	NORTH	Tullos Industrial Estate
		SOUTH	City Boundary
		EAST	Sea
		WEST	Wellington Road
22.	CULTS/BIELDSIDE	NORTH	Countesswells Road
		SOUTH	River Dee
		EAST	Craigton Road / Pitfodels Station Road
		WEST	Hillhead Road
23.	MILLTIMBER	NORTH	A944
		SOUTH	River Dee
		EAST	Hillhead Road
		WEST	Contlaw Road
24.	CULTER	NORTH	City Boundary
		SOUTH	River Dee
		EAST	Contlaw Road
		WEST	Anguston Road

(e) **FOOTWAY ROUTES**

Location of Plant and Resources (Footways)

<u>Area</u>		<u>Plant</u>	<u>Depot</u>
1.	City Centre Route 1	1 Kubota	Tullos
2.	City Centre Route 2	1 Kubota	Tullos
3.	Kincorth / Ferryhill	1 Kubota	Tullos
4.	Torry / Cove	1 Kubota	Tullos
5.	Garthdee / Ruthrieston	1 Kubota	Tullos
6.	Mastrick / Midsocket	1 Kubota	Springhill
7.	Sheddocksley	1 Kubota	Tullos
8.	Summerhill / Seafield	2 Kubota	Tullos
9.	Powis / Seaton	1 Kubota	Tullos
10.	Bridge of Don / Danestone	1 Kubota	B of Don
11	Bridge of Don / Dubford	1 Kubota	B of Don
12	Bridge of Don / Donmouth Balgownie	1 Kubota	B of Don
13	Seaton / Tillydrone	1 Kubota	Bucksburn
14	Culter / Milltimber	1 Kubota	Culter
15	Cults / Bielside	1 Kubota	Culter
16	Bucksburn / Dyce	1 Kubota	Bucksburn
17	Kingswells	1 Kubota	Bucksburn
18	Northfield / Hilton	2 Kubota	Auchmill

Priorities in Treatment

When working in above locations, priority to be given to those areas, i.e. outside shops, schools, etc, steep gradients, and to City Centre Routes 1 and 2, in particular.

The footways within Areas 3 to 17 will be treated on an area by area basis. However, within each specific area, the footways indicated in the following footway sections will be given priority within that area.

CITY CENTRE FOOTWAY PRIORITY 1 GRITTING ROUTE 1

Commence Bridge of Dee Roundabout at Holburn Street
Holburn Street East F/P to Riverside Terrace
Drive to Holburn Street at Fonthill Road
Holburn Street East F/P to Union Street
Union Street South F/P to Bridge Street
Bridge Street West F/P to Guild Street
Bridge Street East F/P to Union Street
Union Street South F/P to Market Street
Market Street West F/P to North Esplanade West
Market Street East F/P to Union Street
Union Street South F/P to Castle Street
Castle Street South F/P to King Street
King Street East F/P to Nelson Street
King Street West F/P to Castle Street
Castle Street North F/P to Broad Street
Broad Street East F/P to Schoolhill
Schoolhill North F/P to Rosemount Viaduct
Rosemount Viaduct North F/P to South Mount Street
South Mount Street East F/P to Rosemount Place
Rosemount Place North F/P to Argyll Place
Rosemount Place South F/P to South Mount Street
South Mount Street West F/P to Rosemount Viaduct
Rosemount Viaduct South F/P to Union Terrace
Union Terrace West F/P to Union Street
Union Terrace East F/P to Schoolhill
Schoolhill South F/P to Broad Street
Broad Street West F/P to Union Street
Union Street North F/P to Holburn Street
Holburn Street West F/P to Union Grove
Union Grove North F/P to Forest Avenue
Union Grove South F/P to Holburn Street
Holburn Street West F/P to Nellfield Place
Drive to Holburn Street/Riverside Terrace
Holburn Street West F/P to Bridge of Dee Roundabout

CITY CENTRE FOOTWAY PRIORITY 1 GRITTING ROUTE 2

Drive Rose Street
Rose Street West F/P to Thistle Street
Thistle Street South F/P to Albert Street
Thistle Street North F/P to Rose Street
Rose Street West F/P to Esslemont Avenue
Esslemont Avenue West F/P to Rosemount Place
Esslemont Avenue East F/P to Rose Street
Rose Street East F/P to Union Street
Drive to Chapel Street/Union Street Junction
Chapel Street West F/P to Huntly Street
Huntly Street South F/P to Rose Street
Drive to Huntly Street/Chapel Street Junction
Chapel Street East F/P to Union Street
Drive to Union Street/Bon Accord Street Junction
Bon Accord Street West F/P to Fonthill Road
Bon Accord East F/P to Union Street
Drive to Union Street/Crown Street Junction
Crown Street West F/P to Ferryhill Road
Ferryhill Road North F/P to Bon Accord Street
Ferryhill Road South F/P to Crown Street
Crown Street East F/P to Union Street
Drive to Windmill Brae North F/P to Bath Street
Windmill Brae South F/P to Crown Street
Drive to Bridge Street/Link Brae Junction
Link Brae South F/P
Drive to Guild Street/Bridge Street Junction
Guild Street North F/P to Market Street
Trinity Quay North F/P to Marischal Street
Drive to West North Street Littlejohn Street Junction
Littlejohn Street South F/P
Drive to Gallowgate Upper Kirkgate Junction
Gallowgate West F/P to Berry Street
Berry Street South F/P to Loch Street
Loch Street South F/P to George Street
George Street West F/P to John Street
John Street South F/P to North St Andrew Street
John Street North F/P to George Street
George Street West F/P to Hutcheon Street
George Street East F/P to Loch Street
Loch Street North F/P to Berry Street
Berry Street North F/P to Gallowgate
Gallowgate East F/P to Littlejohn Street
Littlejohn Street North F/P

AREA	PRIORITY FOOTWAYS
3. KINCORTH / FERRYHILL	Gardner Drive (Gardner Cr. to Slessor Dr) Buchanan Place Buchanan Gardens Cairngorm Drive Faulds Gate Provost Watt Drive Arbroath Way Cairngorm Crescent Abbotswell Crescent Abbotswell Drive Covenanters Drive South Crown Street Albury Place
4. TORRY / COVE	Menzies Road (at shops corner of Grampian Place and Victoria Rd end) Grampian Place (Menzies Rd to Walker Rd) Victoria Road (Menzies Rd to Mansfield Rd) Mansfield Road Glenbervie Road Abbey Place Rockall Road Ladywell Place Brimmond Place Battock Place Oscar Place
5. GARTHDEE / RUTHRIESTON	Morrison Drive Ivanhoe Walk Talisman Walk Deeside Gardens Deeside Drive Deeside Crescent Countesswells Road (at shops) Springfield Road (Countesswells to Airyhall) Great Western Road (Morningside Rd to South Anderson Drive)

6. MASTRICK / MIDSTOCKET	Greenfern Road (at shops)
8. SUMMERHILL / SEAFIELD	Eday Drive Eday Road (Eday Dr to Stronsay Dr) Summerhill Shopping Centre
9. POWIS / SEATON	King Street (Nelson St to School Rd) Spital College Bounds (Orchard Walk to Spital) Regent Walk School Avenue Boulevard (Roundabout to Railway Bridge)
10. BRIDGE OF DON / DANESTONE	Newburgh Road Jesmond Drive (Middleton Rd to Whitestripes Way) Braehead Way Bodachra Road Harehill Road Cairnfold Road Danestone Terrace Scotstown Gardens Ellon Road (Bridge of Don to Broadfold Road)
11. SEATON / TILLYDRONE	King Street (School Road to High Flats) School Road Tillydrone Avenue Tillydrone Terrace Wingate Road Dempsey Terrace Conningham Gardens
12. CULTER / MILLTIMBER	Malcolm Road North Deeside Road (Malcolm Rd to Cairn Rd) School Road Towerview Road Coronation Road Cairn Road Contlaw Brae Monearn Gardens

<p>13. CULTS / BIELDSIDE</p>	<p>Abbotshall Road Kirk Brae North Deeside Road (South Avenue to Cults Hotel) Cults Avenue Hillview Crescent Quarry Road Cairn Road Baillieswells Road North Deeside Road (at Bielside Shops)</p>
<p>14. BUCKSBURN / DYCE</p>	<p>Kepplehills Road Sclattie Park Sclattie Circle Hopetoun Grange Howes View Bankhead Road Oldmeldrum Road Victoria Street (Riverview Dr to Gladstone Pl.) Dyce Shopping Centre</p>
<p>16. NORTHFIELD / HILTON</p>	<p>Lintmill Terrace Quarry Road (at shops) Byron Avenue (at shops) Moir Green (at shops) Rosehill Drive (at shops)</p>
<p>17. WOODHILL / ASHGROVE</p>	<p>Cornhill Road (Ashgrove Rd to Westburn Rd) Berryden Road</p>

(f) **STEPS/RAMPS FOR SPECIAL ATTENTION**

Priority One

Commerce Street to Castlehill	Steps/Ramp
Crown Terrace to Bridge Street	Steps
Green to Union Street	Steps
Mounthooly	Steps
Skene Terrace to North Silver Street	Steps
Virginia Street to Castle Terrace	Steps
Virginia Street to Marischal Street	Steps
Union Street - Correction Wynd	Steps

Priority Two

Auchmill Road	Steps
Bankhead Road to A947	Steps/Ramp
Beach Boulevard to Castlehill Terrace	Steps
Beach Boulevard to Hanover Street	Steps
Belmont Street – Denburn Road (Patagonian Court)	Steps
Gilbert Road Underpass (both sides)	Ramps
Great Northern Road to Deer Road	Steps / Ramps
Greenburn Underpass (both sides)	Steps/Ramps
Ivanhoe Walk	Steps
Kepplehills Road	Steps at Shops
Mansfield Road	Steps
Morningside Road to Deeside Gardens	Steps
St Johns Road to A947	Steps/Ramp
Sclettie Park	3 Sets Steps
Talisman Walk	Steps

(g) **PARKS, CEMETERY ACCESSES, CREMATORIA ACCESS, SHELTERED HOUSING ACCESSES, UNADOPTED FOOTWAYS THROUGH COUNCIL HOUSING AREAS AND ACCESS TO OTHER COUNCIL PROPERTY**

The following are lists from the above categories which should be given priority treatment.

1. Accesses to all sheltered housing complexes:

Multi Storey Sheltered:		
Area 5 & 8	Area 6,7 & 9	Area 16, 18 & 20
Granitehill House Regensburg Court Smithfield Court	Ashgrove Court/Gillespie Castleton Court Clifton Court Donview House Fullerton Court Hilton Court Lord Hays Court Meadow Court Murray Court Seaton House Seaview House St Clements Court Stewart Park Court Woodhill Court	Balmoral Court Brimmond Court Gairn Court

Low Rise Sheltered Complexes:		
Area 5 & 8	Area 6,7,9 & 11	Area 16, 18, 19 & 20
Berrymoss Court Charlie Devine Court Clashieknowe Denmore Court/V.S. Fairley Den Gray Court Hamewith Kingswood Court Lewis Court Merrivale Parkhill Court Quarryhill Court Taransay Court	Aberdon Court Bede House Court Constitution Court Dominies Court Loch Court Short Loanings South Constitution Street Stocket Grange	Balnagask Cottages(1) Balnagask Cottages(2) Craigton Park Denseat Court Janesfield Manor Margaret Clyne Court Mark Bush Court Provost Hogg Court Rorie Hall Thorngrove Court

2. Accesses to following Social Work Properties

Area 5 & 8	Area 6,7 & 9	Area 15, 18, & 20
Quarry Centre, Cumming's Park Crescent		Kincorth Social Work Office, Fauld's Row
Mastrick Social Work Office, Greenfern Road	Rosehill Centre, 202 Ashgrove Road West	Pitfodels House, North Deeside Road, Cults
Williamson Family Centre, Mastrick Close	Croft House, Oldcroft Place	Craigton Road Day Centre, Craigielea Gardens
Community Special Needs Group, 2 Croft Road	Aberdon House, Coningham Road, Tillydrone	Deeside Family Centre, Girdleness Road
Burnside Day Centre, Mastrick Drive		

3. Accesses to the following Cemeteries and Crematoria:

Area 2 & 6		Area 12,18,19,& 24
Dyce Grove Cemetery		Hazlehead Crematorium Kaimhill Crematorium Culter Church Cemetery Springbank Cemetery Nigg Church Cemetery Hazlehead Cemetery

4. Accesses to the following Shopping Centres

Area 5 & 8	Area 7 & 9	Area 20
Byron Square	Hayton Road	Provost Watt Drive
Greenfern	Tillydrone	Kincorth
Cummingspark	Foresterhill Road, Cornhill	

5. Accesses to restaurants, where open, toilets, steps and ramps within the City Council's parks and garden

	Area 13	Area 17
	Westburn Park	Duthie Park (From Polmuir Road Entrance)

With the exception of the specific locations detailed above, all other areas in the above categories will receive priority 2 treatment.

The following Multi Storey Blocks are part of the list which will receive priority 2 treatment:

MULTI-STOREY BLOCKS		
Area 8	Area 7,9,10 & 11	Area 15 & 20
Mastrick Land	Aulton Court Balgownie Court Bayview Court Beachview Court Beechwood Court Cairncry Court Cornhill Court Denburn Court Donside Court Elphinstone Court Gilcomstoun Land Grandholm Court Greig Court Hutcheon Court Inverdon Court Kings Court Linksfield Court Marischal Court Northsea Court Oldcroft Court Porthill Court Promenade Court Regent Court Rosehill Court Seamount Court St Machar Court St Ninian Court Socket Hill Court Thistle Court Tillydrone Court Virginia Court	Bruce House Davidson House Grampian Court Kincorth Land Morven Court Rose House Wallace House

OPERATIONAL PLAN
APPENDIX D - LIAISON WITH POLICE

During the winter period contact is maintained with Grampian Police Headquarters Control Room who monitor emergency calls before passing them on for action. The Council maintains a twenty-four hour contact, seven days a week with the Control Room and details of the following contacts are passed to the Police at the start of each winter.

- (a) During Office Hours - i.e. 8.30am to 4.00pm Monday to Friday inclusive

Telephone messages will be received by the Duty Staff member in the Roads Services office at West Tullos Depot Telephone Number 241500

- (b) During the Nights - i.e. 4.30pm to 7.30am Monday to Sunday inclusive (24th October 2011 to 22nd April 2012) including public holidays, e.g. Christmas and New Year).

Telephone messages to be passed to the Duty Night Attendant at West Tullos Depot, telephone number 241500 or the Duty Supervisor (list of Duty Supervisors to be supplied to Police Control Room).

- (c) Weekends - Daytime - i.e. 7.00am to 4.30pm Saturday and Sunday only, but including public holidays, e.g. Christmas and New Year.

If for any reason the Police Control Room are unable to raise the specified contact, the following members of staff should be contacted who will deal with the emergency call.

On receipt of an emergency call, the recipient will ensure that the message is passed to the appropriate Duty Supervisor and must receive confirmation that this has been received and acted upon.