

## Snow Treatment and Removal Plan

**Operation Headquarters:** Headquarters for all snow removal operations are located in the offices of the Superintendent of Streets at 125 21<sup>st</sup> Street. Contact telephone numbers are as follows:

Office.....	606-385-3170/385-3171
Public Services .....	606-385-3332
City Manager.....	606-385-3303
Police Chief.....	606-385-3102
Fire Chief.....	606-385-3233
Emergency.....	911

**Fall Preparation:** During October each year all snow removal trucks and other equipment are thoroughly checked. Central Garage inspects and services all trucks used for snow removal and make any needed repair. The Superintendent of Streets is responsible for scheduling this maintenance service on all his equipment. Salt spreaders are installed on the trucks and tested and repaired if needed. The spinners are then removed and stored inside the streets garage to avoid their being damaged during other material handling operations. Tire chains for all trucks are inspected and readied for use during the season.

**Chemicals and Abrasive Materials:** Each year prior to snow season the storage facilities are stockpiled to capacity. The covered storage bin at the 21<sup>st</sup> Street yard will hold 600 tons of treated rock salt and the open bins will hold 600 tons of #8 or #9 slag. The treated rock salt is purchased on a yearly contract obtained through the bid process. The vendor delivers the rock salt to City storage facilities using their truck. The slag is purchased from the slag processing plant located near the AK Steel plant on Armco Road and is hauled in City trucks to the storage bins.

The rock salt/slag ratio is determined using several factors including: temperature, anticipated duration of the snow event, type of precipitation, and where the material will be used (hill use requires heavier slag and level streets require less). The use of slag is mainly for traction and its use is limited until the temperature is too low for effective salt application to remove snow/ice. When salt supplies are low and suppliers are having difficulty getting salt to the area, slag additions will be increased. Slag use causes a more difficult cleanup after the snow event is passed.

**Equipment:** Current snow removal equipment is as follows:

1. 412 1ton dump 4wd 8' plow, tailgate spreader
2. 5413 1ton dump 4wd 8' plow, tailgate spreader
3. 180 1.5 ton dump 4wd 9' plow, tailgate spreader
4. 056 1.5ton dump 4wd 9'plow, tailgate spreader

5. 129 ton dump 2wd 10' plow, tailgate spreader
6. 872 2 ton dump 2wd 10' plow, tailgate spreader
7. 3266 2ton dump 2wd 10' plow, tailgate spreader
8. 280 loader/backhoe
9. 587 loader / backhoe
10. 6067 4wd pickup 7' plow, V-box spreader

Additional trucks to haul slag or other materials and backhoes can be brought into the snow removal effort from other divisions.

**Equipment Maintenance:** During snow removal operations, maintenance on the equipment is handled by Fleet Maintenance Personnel. These employees are responsible for basic repairs and maintenance of the equipment. Common parts such as cutting edges, skid shoes, spinner motors, lights and hoses are kept in inventory

**Weather:** The supervisors monitor weather reports regularly during the snow season. During a snow event the local weather forecasts are constantly monitored on radio, television, In severe storms, the National Weather Service will be contacted for the latest reports for the immediate area. The telephone number for the National Weather Service is 1-800/401-9535.

**Personnel:** All Commercial Driver Licensed (CDL) employees in the Streets Divisions are scheduled for snow removal during a storm unless they are on sick leave or vacation. CDL drivers from other divisions, Floodwall, Parks, and Sanitation are assigned to fill vacancies. As soon as possible after a storm begins, assignments are made placing each driver and supervisor on one of the three shifts for a 24-hour operation. The scheduled assignments are as follows:

Days	7:00 A.M. until 3:30 P.M.
Evening	3:00 P.M. until 11:00 P.M.
Midnight	11:00 P.M. until 7:00 A.M.

This schedule will be maintained until the streets are cleared at which time employees are moved back to their normal schedules as soon as possible. If additional drivers are needed to maintain or increase the number of snow removal vehicles, they will be obtained from other divisions.

Snow removal can be a very dangerous operation and is often stressful on employees. It is the policy of the City of Ashland and the Public Services Department that drivers only work eight-hour shifts. If other drivers cannot be scheduled or the snowstorm is of such severity, the Assistant Director or higher authority may declare an emergency and allow up to twelve hours for each driver. Any time beyond twelve hours must be during an emergency declared by the City Manager.

Non-CDL personnel are assigned Storm Sewer Maintenance duties or other assignments as may be necessary to facilitate the snow removal effort. These personnel check and clear clogging basins in the downtown area to prevent street flooding during fast melt. Basins outside the downtown area are checked routinely during snow removal efforts and cleared as may be needed.

**Salting, Plowing, Snow Removal:** The decision to begin a snow removal operation will be made by the Superintendent of Streets, or in his absence, the Street Supervisor on duty. If a storm begins during the regular midnight schedule (Sunday thru Thursday), the operator on duty calls the supervisor scheduled to come out for snow removal duty. In the absence of any crews working during the beginning of a storm, the Superintendent will activate the operation whenever he learns of the problem. Plowing usually does not begin until there is at least two inches depth on the streets. Snow on all streets will be plowed from the center to the curb. Plows are raised at all railroad crossings. Whenever all street storage space for snow is full, snow is hauled to the boat ramp and dumped. Midnight crews will remove stored snow from downtown streets and haul it to the boat ramp after they return to regular schedules at the end of a snow event.

**Priorities:** The City is divided into five zones for snow removal. The first streets to be plowed and treated are the primary streets and all hills in each zone. Next the secondary and residential streets are cleared. Alleys are not plowed or treated. Trucks are not dispatched on a call for call basis. This increases the opportunity for missed streets causing more calls. It is more efficient for the drivers to clear the streets as they come to them working their way across the zone. Calls will be logged and checked for completion during the event. Emergency calls from the 911 Center will be given top priority and dispatched to the closest truck.

**Zone 1:** All streets from US 60 to the western City limits.

Priority Streets:       6<sup>th</sup> Street  
                              9<sup>th</sup> Street  
                              Carter Avenue (Central Fire Station)  
                              Pollard Road  
                              Providence Hill  
                              Kirk Street  
                              Stewart Avenue  
                              Morgan Avenue  
                              Highland Avenue  
                              Mall Road  
                              River Hill Drive  
                              Roberts Drive

**Zone 2:** Consists of all streets from the Floodwall south to Blackburn Avenue and from US 60 to Belmont.

Priority Streets:       Lexington Avenue  
                              23<sup>rd</sup> Street  
                              22<sup>nd</sup> Street  
                              29<sup>th</sup> Street  
                              Ashland Avenue  
                              Oakview Road  
                              Prospect Avenue  
                              Moore Street

Woodland Avenue

**Zone 3:** Consists of streets from 29<sup>th</sup> Street to the eastern City limits and from the northern City limits to the southern end, the boundary of 29<sup>th</sup>, Belmont, and Sate Route 168.

Priority Streets: Belmont  
Blackburn Avenue  
Russell Street  
39<sup>th</sup> Street  
Gartrell Street  
Sherwood Drive  
Shadowlawn Drive  
43<sup>rd</sup> Street  
44<sup>th</sup> Street

**Zone 4:** Consists of streets between US 60 and Skyline Drive, Oakview Road, and the southern City limits.

Priority Streets: Beech Street  
Ramey Street  
Floyd Street  
Beverly Boulevard  
Ackley Avenue  
Kentucky Avenue

**Zone 5:** Consists of streets from Skyline Drive east to State Route 168 and from Blackburn Avenue to the southern City limits.

Priority Streets: Terrace Boulevard  
Robin Lynn Drive  
Wildwood Drive  
All steep incline streets in Southern Hills and Ashland Park