

CITY OF PULLMAN

SNOW AND ICE CONTROL PROGRAM DESCRIPTION

MAINTENANCE & OPERATIONS DIVISION OBJECTIVE- The overall goal of the Maintenance and Operations Division, as it relates to snow and ice control efforts, is to provide safe access to necessary, life sustaining essential services (such as Pullman Regional Hospital) during ice and/or snow events. It is of utmost importance to focus efforts in the most efficient way that will assist the most citizens. To that end, city crews concentrate initial efforts on primary streets, which are streets that lead to those life sustaining services (*See Exhibit 1, Snow and Ice Control Primary Streets*). It is also recognized that it is of little benefit for primary streets to be passable if other streets leading to the primary streets are impassable. Therefore, as permissible, efforts are extended to transit routes and other non-arterial streets with high volume traffic (*See Exhibit 2, Snow and Ice Control Secondary Streets*), many of which are residential streets which is where the majority of the population can be found. Finally, as time and conditions allow all other paved streets, cul-de-sacs, un-paved streets, paved alleys and unpaved alleys that are not designated as primary or secondary streets are plowed. Motorists are strongly urged to use the primary and secondary streets whenever possible to reach their destinations. Motorists are also encouraged to drive slowly, with caution and allow for plenty of stopping distance.

There are many variables that fit into the complicated equation that is snow and ice control. Ultimately the often unpredictable weather is the determining factor for where efforts must be focused. It is possible that if a storm event does not let up the appropriate city staff will determine that additional help may need to be secured and a private contractor might be hired to assist. Because the central business area has no place to store plowed snow without plugging sidewalks or eliminating parking, the first line of attack for this area is to apply liquid deicer to inhibit snow buildup and then solid calcium chloride to facilitate melting of the snow. Complete snow removal takes place in the central business district area typically in conjunction with other non-primary or secondary street plowing and only after all of the primary streets are passable. Removal of snow in the central business district is a delicate operation as there are residents, businesses and pedestrians to take into account. Attempts are made to remove the snow in the central business district, in a manner that takes into account all of these factors. To that end removal of snow from the central business district is usually scheduled for times when the impact would be minimized, such as the early morning hours between midnight and 6 am when traffic flow and pedestrians are minimal.

PARKS DEPARTMENT OBJECTIVE- The overall goal of the Parks Department, as it relates to ice and snow control is to remove snow that accumulates on city-

maintained sidewalks, the city-owned trail system and city-owned parking lots. This process starts as soon as the snow begins to accumulate in these areas. The objective with respect to parking lots is to provide and maintain off-street parking in recognition that on-street parking may be reduced during snow events.

Exhibit 1 - Snow and Ice Control Primary Streets

Street	From	To
Bishop Boulevard	Grand Avenue	Main Street
Center Street	Grand Avenue	End
Crestview Street	Sunnyside Drive	Carolstar Drive
Davis Way	Grand Avenue	West City Limits
Derby Street	Spring Street	Professional Mall Boulevard
Fairmount Road	Grand Avenue	Bishop Boulevard
Grand Avenue	North City Limits	South City Limits
Hall Drive	Stadium Way Extension	Larry Street
Harvest Drive	Fairmount Road	Carolstar Drive / Crestview Street
Kamiaken Street	Whitman Street	Olsen Street
Klemgard Avenue	Bishop Boulevard	End
Larry Street	Grand Avenue	Ventura Drive
Main Street	Old Wawawai Road	Highway 270 Milepost 4
Merman Drive	Westwood Drive	Valley Road
Olsen Street	Grand Avenue	Kamiaken Street
Paradise Street	Grand Avenue	Main Street
Rocky Way	Grand Avenue	South Street
Spring Street	Main Street	Crestview Street
Stadium Way Extension	Grand Avenue	Ritchie Street
Terre View Drive	Prairie View Drive	Highway 270
Valley Road	Stadium Way	Orchard Drive
Old Wawawai Road	Davis Way	West City Limits
Turner Drive	Grand Avenue	Dillon Street
Johnson Road	South City Limits	Bishop Boulevard
Pro Mall Boulevard	Bishop Boulevard	Derby Street
South Street	Rocky Way	Spring Street
B Street	Stadium Way	Colorado Street
Stadium Way	Grand Avenue	Orchard Drive
Airport Road	Terre View Drive	Boyd Road

Exhibit 2 - Snow and Ice Control Secondary Streets

Street	From	To
Bryant Street	Darrow Street	True Street
Clifford Street	Harrison Street	Darrow Street
Daisy Street	Grand Avenue	Mountain View Drive
Daniel Street	Paradise Street	Spring Street
Darrow Street	Clifford Street	Bryant Street
Fountain Street	Crestview Street	Skyline Street
Guy Street	Park Street	West City Limits
Harrison Street	Clifford Street	Ritchie Street
High Street	Paradise Street	South Street
Hillside Drive	Wheatland Drive	Valley Drive
Janet Street	State Street	Hall Drive
Mountain View Drive	Fountain Street	Daisy Street
Northwood Drive	Westwood Drive	Terre View Drive
Orchard Drive	Stadium Way	Valley Road
Park Street	State Street	Guy Street
Ritchie Street	Grand Avenue	Harrison Street
State Street	Center Street	Janet Street
True Street	Stadium Way Extension	Bryant Street
Upper Drive	Wheatland Drive	Lybecker Street
Westwood Drive	Northwood Drive	Merman Drive
Wheatland Drive	Upper Drive	Hillside Street
Dillon Street	Turner Drive	Terre View Drive

Exhibit 3 - Snow and Ice Control Staffing

Shift	Start Date	End Date	Shift Time	Maintenance Workers
Day Shift	All Year		7:30 am to 4:00 pm	Up to eight depending on conditions.
Morning Shift	When needed, normally in early to mid-November	Depends on weather, but normally on or before April 15 th	3:00 am to 11:30 am	A minimum of two, more if conditions warrant it.
Night Shift	When needed, but not later than the Monday following Thanksgiving		3:00 pm to 11:30 pm	

Exhibit 4 - Snow and Ice Control Equipment

Description	Quantity	Use
Grader (Driveway Gate)	2	Remove accumulated snow and ice.
Loader (3 Yard)	2	Load trucks with solid calcium chloride/sanding aggregate mixture, sanding aggregate or snow. Plow alleys and dead-end streets.
Truck (3 to 5 Yard, Tailgate Sand Spreader, 11' Plow with Driveway Gate)	5	Plow snow and apply sanding aggregate or solid calcium chloride/sanding aggregate mixture.
Truck (10 to 12 Yard, Liquid De-ice application equipment, V-Box Sand Spreader, 12' Plow)	1	Plow snow and apply sanding aggregate, solid calcium chloride/sanding aggregate mixture on heavy snow accumulations and thick ice, apply liquid deicer.
Truck (One-Ton, V-Box Sand Spreader, 8'6" Plow)	2	Plow alleys and narrow streets. Apply solid calcium chloride or sanding aggregate.
Truck (One-Ton, Liquid De-ice application equipment)	2	Apply liquid deicer.

Exhibit 5 - Snow and Ice Control Supplies

Description	Storage Capacity	Use
Sanding Aggregate	3,500 yards	Applied to streets to help break down heavier snow and/or ice accumulations and provide traction.
Liquid Deicer (Magnesium Chloride with Corrosion Inhibitor)	17,000 gallons	Applied to streets to help inhibit ice buildup and to break down black ice.
Calcium Chloride, Solid	60 Tons	Applied to streets to help melt heavy snow and ice accumulations.