



SNOW & ICE CONTROL POLICY

October 2012 Revision

Snow & Ice Control

POLICY

The Operations Division of the City's Public Works Department utilizes a proactive approach to snow and ice control. Pre-determined first and second priority streets are pretreated with liquid and granular deicing materials prior to snowstorms to prevent the formation of ice and accelerate the melting of snow. Arterial and collector streets are considered **first priority** streets, along with those streets providing access to hospitals, schools, police, and fire and rescue stations. **Secondary priority** streets include minor collector streets. **Third priority** streets include hilly residential streets. Generally, remaining residential area streets are plowed and treated as needed to maintain safety at intersections, or after twelve inches (12") of accumulated snow.

Deicer Application & Implications

The City minimizes the use of sand for snow and ice control as it contributes to the amounts of small particulate matter in the air, and significantly increases snow control costs and staffing requirements. Instead, the City applies pre-determined combinations of liquid deicers consisting of magnesium chloride, and a corn-base alcohol derivative.

Plow operators are instructed in how to apply the appropriate amounts of these deicers depending upon the type and demand of the storm to prevent the formation of ice, and accelerate the melting of snow and ice that has already accumulated. The deicers to be used will include both liquid and granular materials. Caliber, which is a blend of a corn derivative, magnesium chloride and water, is the predominate liquid deicer product to be applied, typically during the colder portion of the winter season. All liquid deicers used contain corrosion inhibitors. Granular deicers that will be applied in combination with the liquid deicers to the streets include a product called Ice Slicer, which is a complex rock salt material mined in Utah, and common sodium chloride (rock salt).

All materials utilized in Wheat Ridge will be products commonly used throughout the Denver Metro area. All deicer materials are safe and non-toxic. The combination and quantity of deicers used are less harmful to plantings along the streets than the rock salt historically used in Wheat Ridge. The utilization of a combination of deicing materials is also less corrosive to vehicles than the traditional use of sand/salt.

The Wheat Ridge Snow and Ice Control Program will provide safer streets in the winter, while causing less harm to surrounding plant material and vehicles. Applying less sand to the streets will contribute to better air quality in Wheat Ridge and the Denver Metro area. Additionally, the expense of sweeping the sand from the streets after snowstorms will be significantly reduced.

Priority East-West Bound Streets

West 44 th Avenue:	Hollman to Fenton Street.
West 41 st Avenue:	Kipling to Independence & Ammons to Wadsworth Blvd.
West 39 th Avenue:	Kipling Street east to school & High Court to Reed Street
West 38 th Place:	Parfet Street to Oak Street
West 38 th Avenue:	Youngfield Street to Sheridan Blvd.
West 32 nd Avenue:	Youngfield Service Road to Sheridan Blvd.
West 29 th Avenue:	Wadsworth Blvd. to Sheridan Blvd.
*West 26 th Avenue:	Pierce Street to Sheridan Blvd.

* West 26th Avenue from Oak to Kipling Street & Wadsworth Blvd. to Pierce Street is maintained by the City of Lakewood.

Priority North-South Bound Streets

Youngfield Street :	West 29 th Avenue to West 44 th Avenue
Quail Street:	West 32 nd Avenue north to school
Pierson Street:	West 32 nd Avenue north to school
Parfet Street:	West 32 nd Avenue to West 38 th Place
Miller Street:	West 44 th Avenue to I-70 South Frontage Road
Kipling Street:	I-70 North Frontage Road to West 51 st Place
Independence Street:	West 38 th Avenue to West 41 st Avenue & West
Independence Street:	West 44 th Avenue to I-70 South Frontage
Holland Street:	West 32 nd Avenue to West 38 th Avenue
Dudley Street:	West 32 nd Avenue to West 38 th Avenue
Dover Street:	West 38 th Avenue to West 44 th Avenue
Ammons Street:	West 41 st Avenue to West 44 th Avenue
Upham Street:	West 38 th Avenue to West 44 th Avenue
High Court:	West 38 th Avenue to West 39 th Avenue
Reed Street:	West 38 th Avenue to West 44 th Avenue
Pierce Street:	West 26 th Avenue to West 44 th Avenue
Otis Street:	West 38 th Avenue to West 44 th Avenue
Harlan Street:	West 32 nd Avenue to I-70 overpass
Marshall	I-70 to West 49 th Drive

Kipling Street, Wadsworth Boulevard and Sheridan Boulevard are priority level 2 streets maintained by the Colorado Department of Transportation (CDOT). However, City crews may be assigned to maintain these streets as necessary in the event of heavy accumulations and/or an emergency has been declared.