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# TOWN OF MILLIKEN

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2016/2017 Snow and Ice Plan



DECEMBER 1, 2016  
MILLIKEN  
2951 Ash St Milliken, CO 80543

# **FORWARD**

The Town of Milliken's Snow & Ice Control Plan is designed to provide reasonable, cost-effective maintenance efforts during periods of snow or ice. The Town's streets are divided into main and secondary arterials, plus streets which serve the schools and emergency facilities. These areas receive treatment and plowing first. This assures each residential area is in close proximity to a plowed street and that emergency services can be provided

The Snow Plan is available to citizens that are interested in how this service is conducted.

The primary purpose of the Snow Plan is to provide safe travel ways during snow storms. Some inconvenience may be caused to citizens as snow is moved out of the streets and into gutters. In certain areas, snow may be plowed onto sidewalks or into driveways. Citizens have 24 hours after a storm to shovel their sidewalks; by waiting to clear sidewalks until the storm is over and the streets have been plowed, the problem of having to repeatedly shovel sidewalks is minimized.

Town crews put forth maximum effort during snow storms, with prolonged storms becoming very tiring to the operators running the snow removal equipment. Equipment breakdowns, staffing availability, and abrupt changes in the weather each can have drastic effects for the snow removal and ice control efforts. These issues must be dealt with on an individual basis during each storm.

In order to make the Town of Milliken's snow plan effective, it requires the cooperation of many people including the Public Works Department, The Police Department, vendor's contractors and, most importantly, the citizens of the Town.

The Town is actively involved in experimenting with and using new de-icing and anti-icing materials and techniques including:

- Abrasives that substitute for salt and sand;
- Liquid de-icers such as magnesium chloride, which substitutes for solid salt;
- Anti-icing which involves treatment of road surfaces prior to snow and ice formation.

These efforts are conducted with emphasis on motorist safety, cost effectiveness, environmental benefits, and operational logistics.



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# **SECTION 1**

## **SNOW & ICE CONTROL PLAN OVERVIEW**

# OVERVIEW

## Purpose:

1. The primary purpose of the Snow & Ice Control Plan is to organize snow and ice removal efforts so that safe travel routes are available during snow storms. The Plan identifies Milliken's main and secondary streets, streets that serve schools, and streets that provide easy access from residential areas to arterial streets. The Plan also identifies the order in which these streets are plowed and sanded during a snow event. Residential streets are not plowed unless there is a large enough accumulation of snow and conditions exist which prevent residents from getting to arterial streets.

## Service Objectives:

1. To have all designated streets in the Snow Removal Plan plowed and sanded within 24 hours after a storm.
2. To reduce the cost of snow removal through the acquisition and utilization of efficient equipment, thereby minimizing the cost of hiring contractors.
3. To divide the Town into areas where one truck equipped with a plow and sander can effectively provide snow removal services in each area.
4. For major storms of more than eight inches of snowfall, to divide and efficiently utilize operating personnel to ensure effective snow removal.
5. To sufficiently train adequate numbers of personnel to operate all available snow removal equipment.

### **Designated Streets:**

The designated streets in the Snow Removal Plan form a network that provides reasonable access to a plowed street for all properties in the Town. Designated streets meet at least one of the following criteria:

- Arterial or Collector status
- Downtown central business district
- Provide 1 block radius access around schools
- Provide access adjacent to emergency facilities
- Provide access to Town of Milliken service facilities

### **Plowing/Treating of Non-Designated Streets:**

Under certain severe snowstorm conditions it may be necessary to plow all streets in the Town. The following conditions will be evaluated by the Public Works Director to determine the necessity of plowing residential streets that are not designated in the plan.

1. Snow Fall Accumulation. Approximately 8 inches of snow should have accumulated in a 48 hour period.
2. Availability of Funds. Careful examination of the current year snow removal services budget as well as the status of overall Town budget expenditures.
3. Emergency Vehicle Mobility. The Police Chief will be contacted to determine to determine whether emergency and Police vehicles can remain reasonably mobile.
4. Time of Year. Stronger consideration should be given to plowing residential streets in the winter as compared to the spring and fall, when warmer weather is likely to melt much of the snow within two days of the event.
5. Short Term Weather Forecast. Are other storms or cold spells following? If so, stronger consideration to plowing residential streets should be given.

6. Citizen Safety. The safety of the citizens will also be taken into consideration during the following of a snow storm.

The Public Works Director and Town Administrator shall evaluate these conditions and arrive at the decision. The Public Works Director or Town Administrator shall notify the Town Board and local media that a snow emergency exists. Storms of this severity may require the hiring of contractors to assist Town crews in plowing all streets in the Town.

### Procedures:

1. During light snowfalls of two inches or less, spot treating will be provided on all designated routes and in certain icy areas on non-designated streets. The latter are most often at controlled intersections or significant elevation changes.
2. If snowfall is predicted to exceed two inches Town crews will plow and treat Priority #1 and Priority #2, beginning when snow is one inch in depth or slick. The Town is divided into Priority #1 and Priority #2 designated streets to be covered by two plow trucks.
3. During major storms, crews will plow and treat continuously, beginning with Priority #1 streets, and then proceeding to Priority #2 streets. Major storms usually result in non-stop plowing and treating operations until the snowfall stops and all designated routes have been cleared and completed.
4. After major snowstorms, snow removal will be conducted in certain areas of the Town, if temperatures are expected to remain low or more snow is expected. These areas shall be determined and designated by the Public Works Director or Town Administrator.

The above described procedures **DO NOT** result in a "Bare Pavement Policy". Milliken's snow plows are equipped with rubber tipped blades, which allows the blade to ride over roadway obstacles, thereby preventing damage to the equipment. Unlike plowing by County or State Highway crews, snow plowing in urbanized areas is performed at a very low speed and requires considerably more time to accomplish than non-urbanized areas.

## **SECTION 2**

### **PERSONNEL RESPONSIBILITY**

# Personnel Responsibility

## Operators:

The snow plow operators are the key to the success of the Snow Removal Program. These operators are responsible for:

- Working together as a team to ensure efficient service is provided
- Providing a timely, effective service for their designated routes.
- Maintaining vehicles, plows, and treatment equipment in safe and proper working order.
- Properly documenting snow removal activities; and
- Serving as good will ambassadors for the Town

## Supervisors:

Supervisors are responsible for:

- Maintaining a positive work environment to enhance the teamwork concept.
- Coordination of service to ensure timely, effective coverage.
- Coordinating vehicles and equipment, plow and treatment equipment maintenance and repair to ensure safe operations and adequate levels.
- Timely, courteous response to service complaint, requests and inquiries.
- Providing training opportunities for crew members

## Management:

Management is responsible for:

- Providing adequate resources to ensure timely, effective service.
- Creating a positive work environment, thereby making the teamwork concept possible.
- Creating training and feedback avenues for supervisors and operators.
- Utilizing various forums to create and maintain awareness and support for snow removal activities.

# **SECTION 3**

## **STREET PRIORITY LISTING**

# Streets Priority listing

Winter 2015-2016

## Downtown area- Priority #1

Broad Street/Highway 60, HWY 257 to Centennial Drive (CTY Rd 23-3/4)

Irene Avenue, Broad Street to Elm Street (Fire Station Access)

## Priority #1 -Plow curb to curb

**NOTE: Curb to Curb shall mean snow is cleared on designated streets from the edge of the concrete pan at each curb edge on both sides of the street. Where no curb exists on the street, plowing shall extend from street edge to street edge on both sides of the street.**

**(Note: Streets listed will not necessarily be plowed in the following order as listed)**

Quentine Avenue Hwy 257 to Entrance to Wildcat Acres  
Inez Blvd. (CTY Rd 46), Quentine Avenue to Alice Avenue.  
Alice Avenue, Inez Blvd (CTY RD 46) to Broad Street (HWY 60)  
Broad Street, Quentine Avenue to Olive Avenue  
Olive Avenue, Broad Street to Elm Street  
Elm Street, Irene Avenue to Grace Avenue  
Irene Avenue, Elm Street to Green Street  
Elm Street, Irene Avenue to Grace Avenue  
Grace Avenue, Elm Street to Forest Street  
Mad Russian Blvd, Birdie Way to HWY 257  
Weld County RD 52, HWY 257 to Mill Iron Court  
Centennial Drive, Public Works Facility to Trail Blazer Lane

**Priority #2-Plow curb to curb**

Green Street, Marjorie Avenue to CTY RD 19

Marjorie Ave, Green Street to Inez BLVD (CTY RD 46)

Alice Avenue, Inez Blvd to Rancher Lane

Traders Lane, HWY 60 to Stagecoach Drive

CTY RD 23, Rancher Lane to CTY RD 44

CTY RD 44, CTY RD 23 to Peregrine Creek

# Milliken Snow Removal Routes

