

# **City of Cherry Hills Village Snow, Ice, and Street Sweeping Operations**

## **OVERVIEW**

The Public Works Department is responsible for Snow, Ice, and Sweeping operations of approximately one hundred lane miles of City streets and approximately eight miles of paved trails and sidewalks. The Public Works Department provides Snow Removal and Sweeping services to all City streets, paved trails, and sidewalks on a priority basis. It is the department's goal to have all City streets, paved trails, and sidewalks maintained within twelve hours after the snow has stopped falling. This time frame estimate is based on an average snow event of four inches. The department will not maintain residential streets for snow events of less than three inches as determined by staff.

Street Sweeping is provided in mid April through early May and again in late October through early November. Sidewalk/Paved Trail Sweeping is done on an as needed basis. When conditions allow, Street Sweeping and Sidewalk/Paved Trail Sweeping Operations directly follow any Snow and Ice Control Operation where sand is used. Street and Sidewalk/Paved Trail Cleaning is provided for community safety, health, environmental, and aesthetic purposes.

The Public Works Department utilizes many resources to determine when and how snow and ice control operations should begin. Use of the National Weather Service, Local News Television, Web, and Phone based applications, and the City's own weather station with a live feed camera, are how the Public Works Department receives the most current and accurate weather forecast information. This information is used by the Street Operations Supervisor to formulate an email that is sent out to the appropriate department heads in the Public Works and Police Department to notify them of time, resources, and personnel to be used in any upcoming response.

The Public Works Department consists of two divisions, Parks and Streets. These Divisions collaborate to meet the City's snow removal and sweeping expectations. Responding parties include, but are not limited to a Street Operations Supervisor, one Streets Crew Leader, one Parks Crew Leader, three Equipment Operators, and three Parks Maintenance Workers.

Equipment/Vehicles and Materials used for Snow and Ice Control:

- 1 Motor Grader/plow
- 1 Front End Loader/bucket/plow
- 1 Back Hoe/bucket
- 1 Skid Steer/bucket/plow
- 1 Utility Work Machine/plow
- 1 ATV/plow
- 1 Tandem Axle Dump Truck/plow & sander
- 2 Single Axle Dump Trucks/plow & sander
- 1 Single Axle Dump Truck/plow & 1200 Gallon Liquid Tank

- 5 Pickup Trucks/plow
- 1 Regenerative Air Street Sweeper
- 1 Regenerative Air Sidewalk Sweeper

Snow and Ice Control Materials used:

- Approximately 200 Tons of Salt & Sand annually
- Approximately 200 Tons of Ice Slicer annually
- Approximately 18000 Gallons of APEX Melt Down annually

Information regarding the use of our Snow and Ice Control materials can be found at [www.envirotechservices.com](http://www.envirotechservices.com)

## Operations

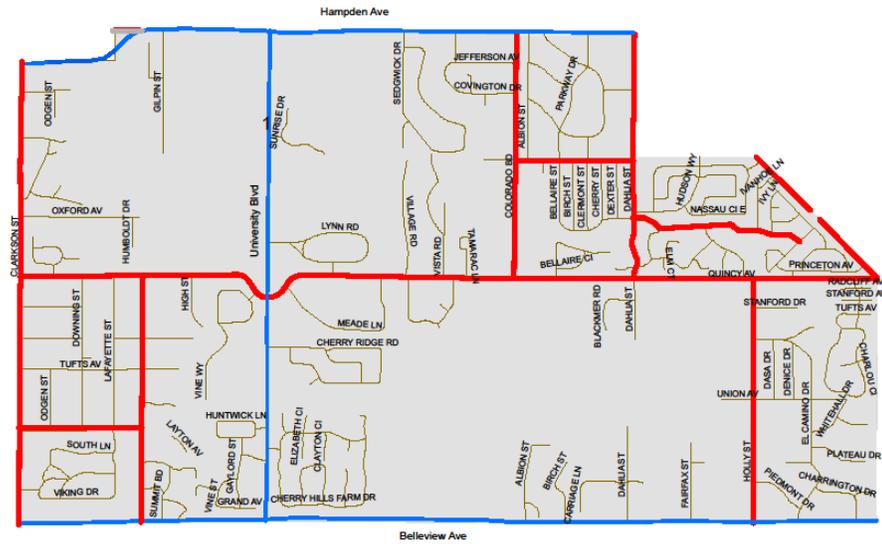
The City's first priority is to keep primary intersections and collector streets safely maintained to permit emergency vehicles to reach all parts of the City without delay and to facilitate citizen/resident traffic on those streets. This priority is on a selective basis where it has been determined by the department that these streets are where traffic movement and resultant safety demands are the greatest and impact sizeable portions of the community. The second priority is to safely maintain all remaining residential streets. The third priority is to safely maintain all remaining paved trails and sidewalks.

Snow and Ice Control Maintenance Operations start with the monitoring of resources by the Street Operations Supervisor to determine when a response will be needed. The Street Operations Supervisor will then formulate an email specifying the time of the response, personnel and resources needed and send out this email to the appropriate department heads. Next communication is made between the Street Operations Supervisor and all responding personnel to coordinate the appropriate response. When street conditions start to deteriorate the response will be initiated.

Primary intersections and collector streets will be the first to receive Snow and Ice Control maintenance. The length and severity of the weather event dictates when the department will start Snow and Ice control maintenance on all remaining secondary streets and all remaining paved trails and sidewalks. Typically this operation begins immediately after the climax of the event and the majority of the snow has stopped accumulating. The City has developed a rotation system for Snow Removal and Sweeping Operations. The City is divided into four sections. Each section contains approximately the same street lane miles. In the first snowstorm of the year, section one is maintained first, followed by section two, three, and four. In the second storm, section two is cleared first, followed by section three, four and one. This rotation continues throughout the winter so that all parts of the City have the opportunity to be maintained first and no area is always last. Streets are swept in the same priority they are plowed.

The map below illustrates our City limits and the streets maintained by the Cherry Hills Village Public Works Department. The **Red** lines show primary intersections and collector streets. These streets and intersections provide emergency vehicles access to all locations of the City during a snowstorm.

## Cherry Hills Village Snow Removal



In the event of a Weather Emergency, the City's Emergency Management Center is located at 2450 E. Quincy Avenue and will be opened to provide 24-hour communications with residents and emergency responder agencies.

The Public Works Department communicates directly with police, fire, paramedics and utility providers to provide immediate access to any location where an actual life-threatening emergency exists.

The **Blue** Lines on the map show Hampden, University, and Bellevue. These streets are maintained by the Colorado Department of Transportation. The Colorado Department of Transportation plows and sands East Bellevue Avenue, East Hampden Avenue and South University Boulevard. Only during extreme conditions or by request of the Police Department does the City assist with these streets.

To report any snow-related observations call 303-783-2744 during normal business hours, Monday through Friday, 7:30 a.m. to 4:00 p.m. For snow emergencies either after business hours or on Saturday or Sunday, you may call Arapahoe County Dispatch at 303-795-4711. This snow removal plan is updated annually by the Public Works Director and is available on the City website: [www.cherryhillsvillage.com](http://www.cherryhillsvillage.com).