



2020-2021 Snow & Ice Control Program Update

26 October 2020

Overview

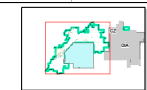
- Snow & Ice Control Program Goal(s)
- Priority Street & Snow Storm Classifications
- Performance Goals
- Team Resources
- Staff Training
- Communications
- Citizen Responsibilities
- Continuance of New Practices from 2019/2020
- Emergency Snow Plan

Program Goal(s)

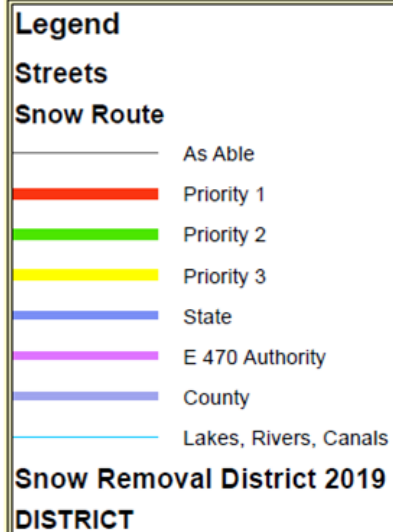
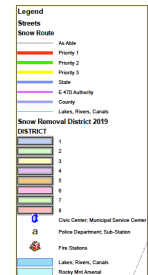
To provide fiscally responsible service during snow and ice events that support the safety and mobility of the City's transportation system by removing or displacing snow and ice from all designated priority streets, parking areas, trails, and City-maintained sidewalks as safely as possible.

Priority Street Classifications

Priority Street Classification	Definition(s)
Priority 1	Major arterials connecting hospitals, fire & police stations, and other emergency units
Priority 2	All remaining arterials and selected collectors completing the network or providing school access
Priority 3	All remaining collectors, bus routes, and hilly areas
Priority 4	Residential / low volume streets* *Plowed only when snow accumulations completely block traffic movement



Prepared by: Commerce City Public Works
January 23, 2019
Mapfile: SnowRoutes (42x62)



[Map](#)

Storm Classifications

Storm Classification	Anticipated Storm Length	Anticipated Accumulation
Class 1	< 12 hours	4 inches or less
Class 2	> 12 hours	4 inches to 8 inches
Class 3	24 hours or more	> 8 inches

Performance Goals

Storm Classification	Performance Goal(s)
Class 1	<ul style="list-style-type: none"><input type="checkbox"/> Clear snow from all travel lanes of Priority 1 & Priority 2 streets<input type="checkbox"/> Provide at least one passable travel lane on Priority 3 streets
Class 2	<ul style="list-style-type: none"><input type="checkbox"/> During storm event:<ul style="list-style-type: none">• Clear snow from all travel lanes of Priority 1 & Priority 2 streets<input type="checkbox"/> After storm - or sufficient clearing of Priority 1 & Priority 2 streets:<ul style="list-style-type: none">• Clear snow from all travel lanes of Priority 3 streets
Class 3	<ul style="list-style-type: none"><input type="checkbox"/> During storm event:<ul style="list-style-type: none">• Provide at least one passable travel lane on Priority 1 streets<input type="checkbox"/> After storm event or when sufficient clearing of Priority 1 streets:<ul style="list-style-type: none">• Clear snow from all travel lanes of Priority 2 streets<input type="checkbox"/> After sufficient clearing of Priority 2 streets:<ul style="list-style-type: none">• Clear snow from all travel lanes of Priority 3 streets

Team Resources

Streets

Equipment:

- 14 tandem dump trucks with plows/sanders
- 4 1-ton trucks with plows/sanders
- 1 loader
- 1 backhoe
- 1 motor grader

Staff:

- 19 full-time Streets Staff
 - 2 Maintenance Supervisors

Parks

Equipment:

- 7 1-ton trucks with plows/sanders
- 4 1-ton trucks with plows
- 4 small pickups with plows
- 5 small snow plow units (mowers with plow and cab conversion)
- 1 skid steer
- 1 small tractor - cab & loader bucket

Staff:

- 13 full-time Parks staff
 - 2 Maintenance Supervisors
- 5 variable-hour Parks Staff
 - non-CDL

Tandem/Single Axle Fleet

14 Total Tandem and Single Axle Class B Plow and Sander Units

7 units 2016 or newer

4 units requested for replacement in 2021



Staff Training

- Annual training provided for all Streets & Parks Division staff
 - Tandem axle plow truck operation and plowing/sanding techniques
 - 1-ton plow truck operation and plowing/sanding techniques
 - Small equipment plowing techniques
 - Street districts (8)
 - Building grounds/parks site specific training
 - Truck and equipment preventative maintenance, upkeep, and calibrations
 - Assorted additional safety training (slip/trip/fall, shovel/back safety, winter weather preparedness, etc.)



Communications

<https://snowtrooper.c3gov.com/>



Internal Communications

- News & Views employee newsletter articles
 - Weather information hotline reminders
 - Winter weather tips
- Intranet news posts
- Internal information hotline
 - (303) 227-8787
 - Updated with facility closures, delayed starts, etc. by Community Relations



External Communications

- Commerce City Connected newsletter article
 - Snow Trooper and online maps
- Social media posts
 - Facebook, Next Door, Twitter
- Website “news flash” alerts
 - C3gov.com home page
- External Emergency Weather Hotline
 - (303) 227-8776
 - Updated for facility closures by Community Relations

Citizen Responsibilities

Commerce City Code of Ordinances

[Section 6-2013. - Unsafe sidewalks and rights-of-way.](#)

[\(b\). *Snow and ice.*](#)

- Remove snow/sleet/hail/ice from sidewalks within 24 hours of the last accumulation
- Cannot dump or deposit snow from private property onto public property or a neighboring property
- Cannot dump or deposit snow against a fire hydrant or traffic control device



Commerce
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Continuance of new practices from 2019-2020

- New Staff Rotation Philosophy
 - Emphasis on training and rotation through districts to increase driver autonomy, adaptability, and flexibility
- Improved Callout Process
 - Proactive monitoring and self call out system for Supervisors to dispatch themselves and crews
 - Proactive approach targeting early responses



Continuance of New Practices (cont.)

- Additional Barricades
 - Purchased an additional 30 Type III barricades to increase effectiveness and ability to shut down roads as needed
 - Plans to deploy and pre-stage barricades prior to predicted severe storm events
- Echelon Plowing
 - Increased number of trucks utilized for each storm
 - More frequent use of team plowing practices

Emergency Snow Plan

- Updated in 2019
 - No revisions for 2020-2021
- New Title - “Severe Winter Weather Extreme Cold Operations Plan”
 - Updated based on lessons learned from previous storms
- Stakeholders involved in update included:
 - Emergency Manager
 - Police Department
 - Public Works Operations
 - City Manager’s Office
 - Communications Division



Emergency Snow Plan (cont.)

- New Processes/Protocols
 - Plan disseminated to all Departments
 - Improved communication and access to the plan
 - Schedule response plan meetings prior to predicted Severe Winter Weather Events (EOC)
 - To include all stake holders outlined in the plan
 - Better defined list of Essential Personnel
 - Specific work groups and positions identified and duties and/or responsibilities outlined



Questions



Residential Street Challenges

- Snow Displacement
 - Limited area for snow storage
 - Windrows block driveways & vehicles parked curbside
 - Increased risk for damaging vehicles/property
- Severe Winter Weather Plan calls for response to residential streets only when impassable

