

PUBLIC WORKS SNOW & ICE CONTROL PLAN

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OCTOBER 28, 2025



OVERVIEW

Introduction and Background

Levels of Service

Previous Season Highlights

Upcoming Season Preparations

Community Partnership and Responsibility

Questions From Council

INTRODUCTION AND BACKGROUND

Snow and Ice Control Plan

- Why do we have a snow and ice control plan?
- What does the plan do?
- Who uses the plan?

Background

- Last presented to Council December 13, 2022
- Plan commits to engaging executive leadership every three years

LEVELS OF SERVICE - STREETS

	Classification Criteria	Service Timing and Ending Conditions
Priority 1	ADT > 1,000 2 or more lanes in each direction Serves emergency service routes, hospitals	Service begins at snowfall onset and continues until bare pavement and drying conditions are achieved, typically occurs within 12 hours after snowfall ends.
Priority 2	ADT 500 - 1,000 Serves transit routes, residential collectors	Service begins once Priority 1 routes receive initial treatment. During heavy snowfall, these streets get fewer passes to maintain focus on higher-priority areas. Clearing loose snow from driving lanes and achieving bare pavement at key maneuvering areas—such as intersections, hills, and curves typically occurs within 24 hours after snowfall ends.



LEVELS OF SERVICE - STREETS

	Classification Criteria	Service Timing and Ending Conditions
Priority 3	Hills, sharp curves, high density housing, has crash history or sight distance challenges	Service begins after higher priority streets have received initial service. Ending condition is the same as priority 2 streets and typically occurs within 36 hours of snowfall ending.
Priority 4	Remaining residential streets not included in other priorities	Service will be determined by staff when the city receives 8 inches or more snow accumulation on pavement surfaces and will begin within 72 hours of completing priority 1-3 goals as resources allow. One plowing pass will be made down the middle of each street to deposit equal amounts of snow from each side of the plow.

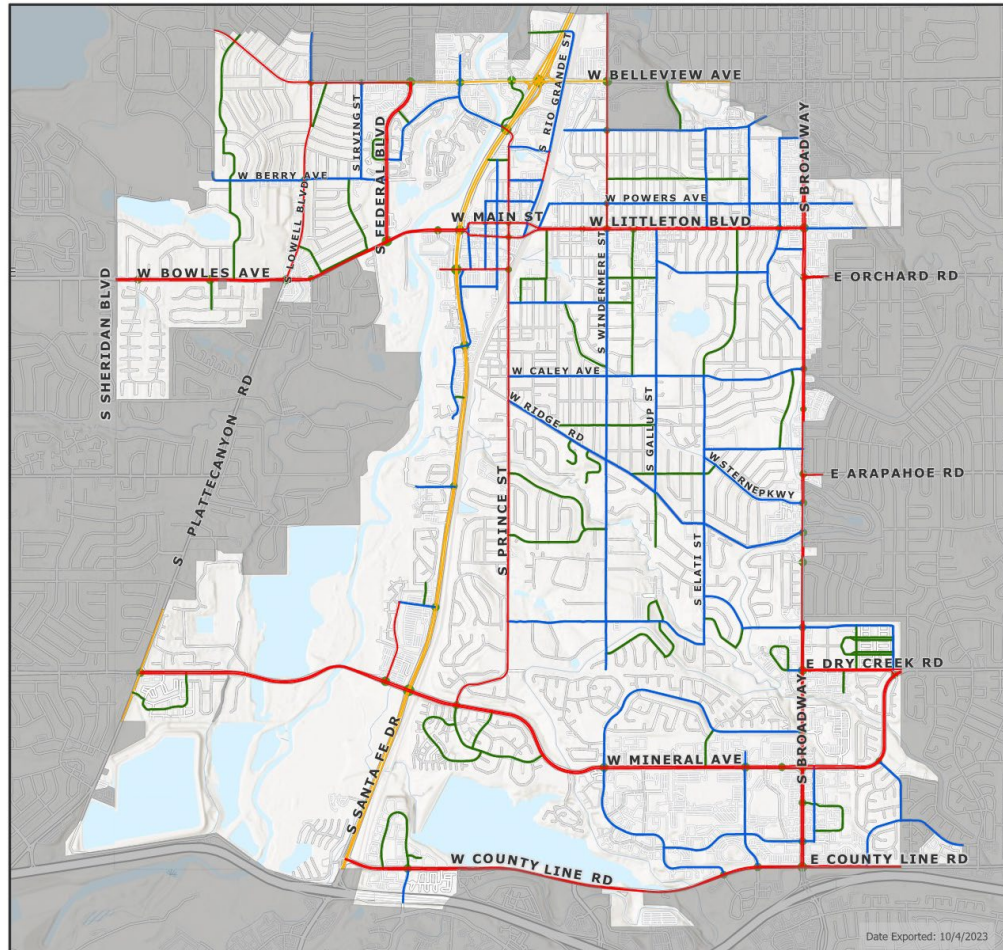


LEVELS OF SERVICE – PROTECTED BIKE LANES

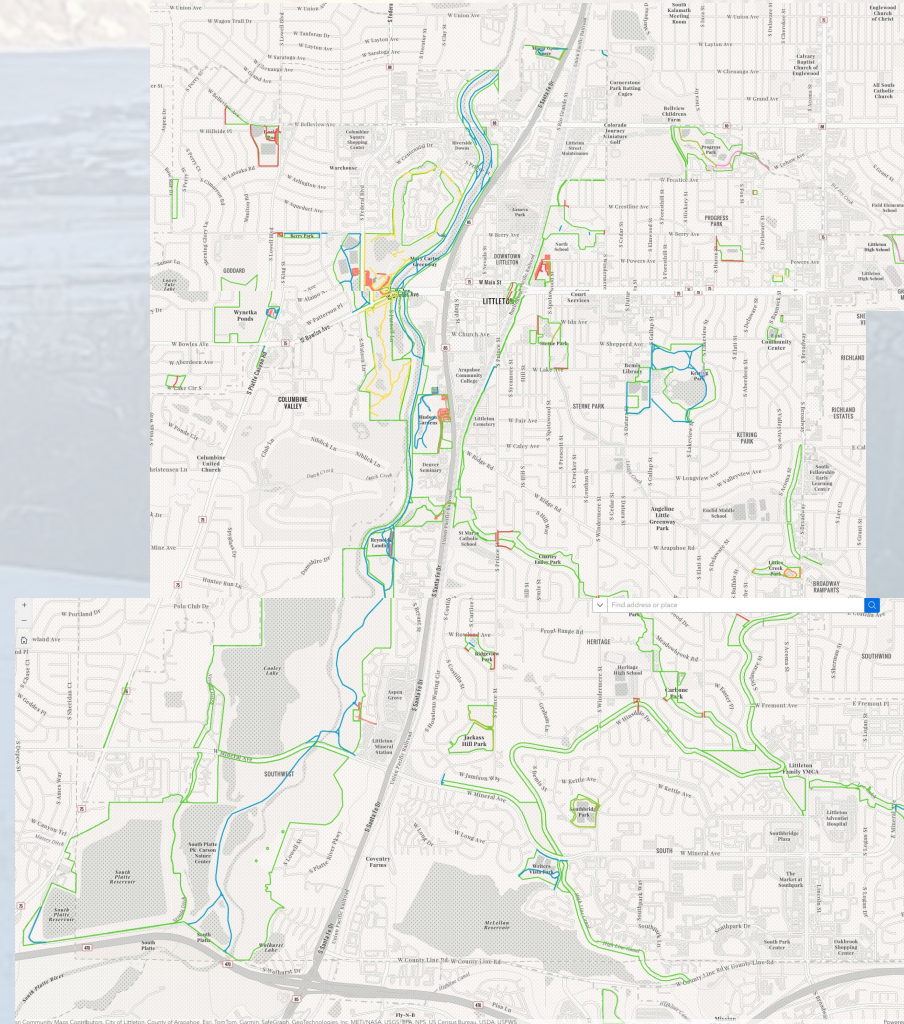
	Classification Criteria	Service Timing and Ending Conditions
Protected Bike Lane Pilot Areas	Pilot bike lane protections with vertical elements (barriers, delineator posts, tough curbs)	Service is provided by Public Works Grounds Division and is provided following completion of critical city sidewalks and building areas. This allows sufficient time for street plows to near completion of adjacent street plowing to avoid recovering with snow. Ice conditions may be encountered throughout winter months



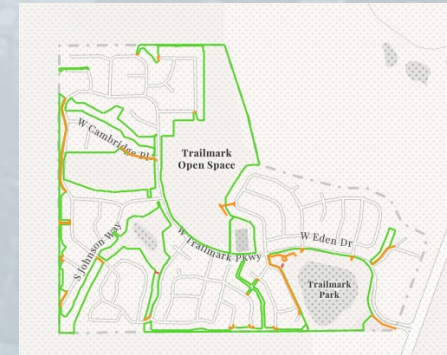
LEVELS OF SERVICE - MAPS



Littleton Street Priorities



South Suburban Littleton
Area Priorities



PREVIOUS SEASON HIGHLIGHTS

	2022-2023	2023 - 2024	2024 - 2025	3-Year Average
Snowfall	38.1 in	54.8 in	53.5 in	48.8 inches
Snow events	12	10	11	11
Total Miles Plowed	14,629	13,291	10,535	12,818
Total Granular Deicer	1,045 tons	961 tons	1,053 tons	1,020
Total Liquid Deicer	10,630 gal	2,402 gal	6,296 gal	6,442

Long-range (Marston Filter Plant NOAA station 1991-2020)
average seasonal snowfall 34.1 inches

UPCOMING SEASON PREPARATIONS

Staff and Executive Leadership Plan Review

- Thorough staff review and recommend adjustments to the Snow and Ice Control Plan
- Engage department leadership for guidance and approval
- Engage and inform elected officials about the plan and any significant changes

Staff Training and Route Review

- Conduct staff training in both classroom and equipment settings and review Snow and Ice Control Plan
- Drivers perform dry-runs of assigned snow routes and note obstacles or hazards

Equipment and Material Readiness

- Stockpile deicing materials to take advantage of off-season discounts and avoid seasonal shortages
- Perform thorough inspections and repairs of snow equipment in advance of first snow

COMMUNITY PARTNERSHIP AND RESPONSIBILITY

What the community can do to help

- Prepare vehicles and residences for winter weather before the first flakes fall.
- Be informed of winter weather through various forecast outlets and real-time road conditions. Save favorite websites such as CDOT road conditions and City snow and ice page.
- Avoid on-street parking along priority 1-3 streets
- Completely clear snow from vehicles before hitting the road

What are my responsibilities as a member of the community?

- Sidewalk shoveling adjacent to your property per Littleton Municipal Code **7-1-3: SPECIFIC NUISANCES:G.** Snow and Ice on [Sidewalks](#); Responsibility for Removal. ...to allow any snow or ice to accumulate or remain upon any sidewalk...for longer than twenty-four (24) hours from the time of the end of any snow fall or ice storm...
- Avoid depositing snow from private property onto streets and bike lanes

THANK YOU!

QUESTIONS?