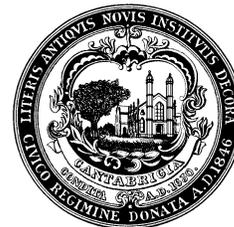


City of Cambridge

Commission for Persons with Disabilities

51 Inman Street · Cambridge, MA · 02139-1732

617-349-4692 voice · Relay via 711 · 617-349-4766 fax



Keisha Greaves
Chair

Danielle Jones-McLaughlin
Secretary

Loring Brinckerhoff
Avril dePagter
Rayna Jhaveri
Melissa Miguel
Deepti Nijhawan
Emma Pan
Zach Solomons
Daniel Stubbs

**The Cambridge Commission for Persons with Disabilities is holding
a meeting online via Zoom on December 12, 2024 from 5:30 – 7:00 PM**

Zoom registration link:

https://cambridgema.zoom.us/webinar/register/WN_v41UuQQuQE0qd3oXvdP33Q

PLEASE MAKE EVERY EFFORT TO JOIN BY 5:30 PM

AGENDA

Please keep your microphone muted when you are not speaking

Rachel Tanenhaus
Executive Director/
ADA Coordinator

Kate Thurman
Deputy Director/
Assistant ADA Coordinator

- | | | |
|--|---------|-----------------------------|
| 1. Introductions | 1 min. | |
| 2. Announcements | 2 min. | CCPD staff / Board |
| 3. Presentation on Snow Removal
<i>See page 4 of this agenda packet</i> | 45 min. | John Nardone & Brian McLane |
| 4. Chair's Report | 10 min. | Keisha Greaves |
| 5. Working Group Reports | 5 min. | CCPD Board |
| 6. Public Works Update | 10 min. | Melissa Miguel |
| 7. Staff Report | 10 min. | Rachel Tanenhaus |
| 8. Public Input
<i>See pages 2&3 of this agenda packet for instructions on providing public comment</i> | 3 min. | general public |

CART/closed captioning will be provided for this meeting

Captions can be turned on within the Zoom platform or
streamed in a separate URL at <https://bit.ly/CCPDcaptioning>

(captions will not appear until the meeting has started)

The City of Cambridge Commission for Persons with Disabilities, does not discriminate, including on the basis of disability. The Commission for Persons with Disabilities will provide auxiliary aids and services, written materials in alternative formats, and reasonable modifications in policies and procedures to persons with disabilities upon request.

**The next CCPD meeting will be held on
Thursday, January 9, 2025 from 5:30-7:00 PM**

Members of the public: See instructions on pages 2 & 3 on how to
watch the CCPD meeting and provide public comment via Zoom

Instructions for Joining the December 12, 2024 CCPD Meeting as a Member of the Public

Join Online:

Registration is required to view the meeting or to participate in public comment. Register online at https://cambridgema.zoom.us/webinar/register/WN_v41UuQQuQEOqd3oXvdP33Q

After registering, you will receive a confirmation email containing information about joining the webinar. For more information regarding Zoom technology visit:

<https://www.cambridgema.gov/Departments/citycouncil/zoomonlinemeetinginstructions>

Join by Phone:

If you do not have access to the internet, you may also call into the meeting using a phone by dialing any of the following numbers and entering the Webinar ID (registration is not required). For higher quality, dial a number based on your current location:

+1 309 205 3325
+1 312 626 6799
+1 646 931 3860
+1 929 436 2866
+1 301 715 8592
+1 669 900 6833

+1 719 359 4580
+1 253 215 8782
+1 346 248 7799
+1 386 347 5053
+1 564 217 2000
+1 669 444 9171

When prompted, enter the webinar ID: **854 3952 7198**

NOTE: your microphone will be automatically muted until you are called on to speak during the public comment period of the meeting. See instructions on the following page for how to “raise your hand” to indicate that you would like to speak during the public comment period on the agenda.

Instructions for Providing Public Comment During CCPD Meetings via Zoom

Anyone wishing to address the Cambridge Commission for Persons with Disabilities (CCPD) during the Public Comment section of the agenda may indicate that by "raising their hand" virtually within the Zoom platform. The host (CCPD staff) will call on members of the public to speak in the order in which their hands were raised. Please note that while you may raise your hand at any point during the meeting, you will not be called on to speak until the Public Comment period of the meeting.

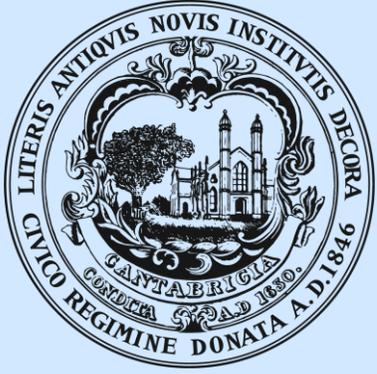
To raise your hand:

- On a Mac or PC:
 - Click "raise hand" in the webinar control panel
 - Alternatively, you may use the keyboard shortcut to raise and lower your hand:
 - Windows: press "Alt+Y"
 - Mac: press "Option+Y"
 - When you are called on by the host to speak, you will be prompted to unmute your microphone (you must unmute yourself, as the host does not have the ability to unmute individuals).
 - After you have spoken or once your 3 minutes are up, your microphone will be muted by the host

- If you are calling in by phone:
 - Press *9 to raise and lower your hand
 - When you are called on to speak during the public comment period, you will need to press *6 to unmute yourself (press it again to mute yourself)
 - Note: your phone number will be visible to only the host of the meeting (CCPD staff). Because your name will not be displayed, we will call on you when it's your turn to comment by using the last four (4) numbers of your phone number to identify you. For example, "The person calling in from the number ending in ####, you may now provide public comment."
 - After you have spoken or once your 3 minutes are up, your microphone will be muted by the host

Once they have the floor, members of the public are asked to identify themselves, and each speaker is limited to not more than three (3) minutes. Although the public comments should, whenever possible, address one or more items on the agenda for that particular meeting, if time permits, the Chair may allow a speaker to comment on matters that may not directly address an item on the agenda, but do concern the Commission.

Thank you for your patience as we work together to make virtual meetings accessible for everyone!



City of Cambridge Winter Operations





Agenda

- 03** 2023-2024 Summary
- 04** Historical Data
- 06** Weather Outlook
- 07** Storm Coordination
- 08** Parking Bans
- 10** Accessibility
- 18** Specialty Equipment
- 22** Anti-Icing/De-Icing

2023-24 Season Event Summary

- ▶ 10.2" of snow
- ▶ 2691 tons of salt

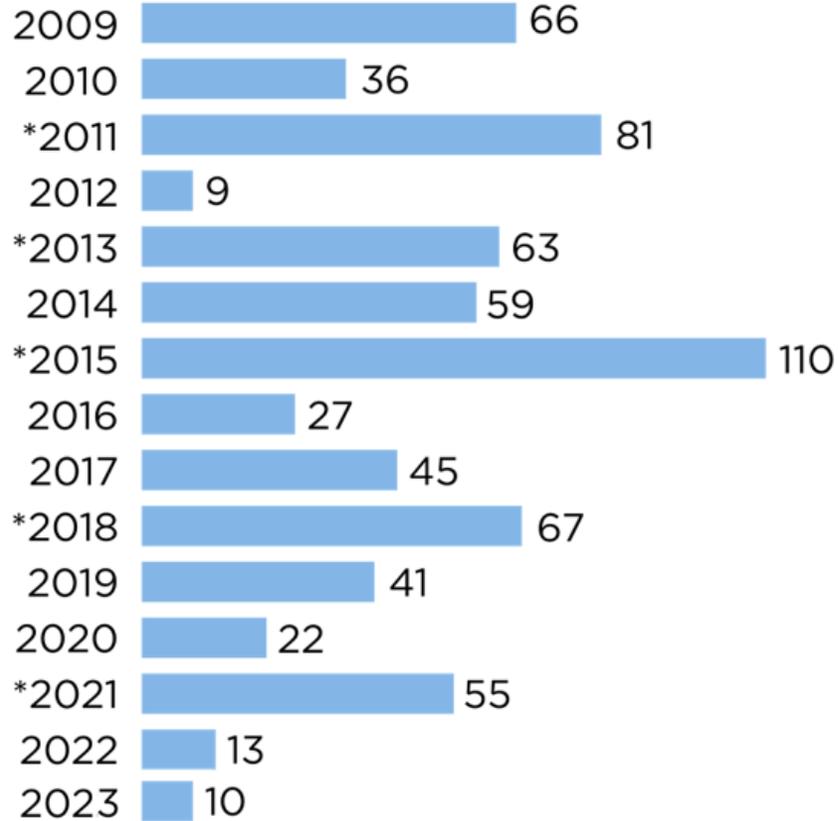
- ▶ 9 salting events
- ▶ 2 plow events
- ▶ 0 hauling events



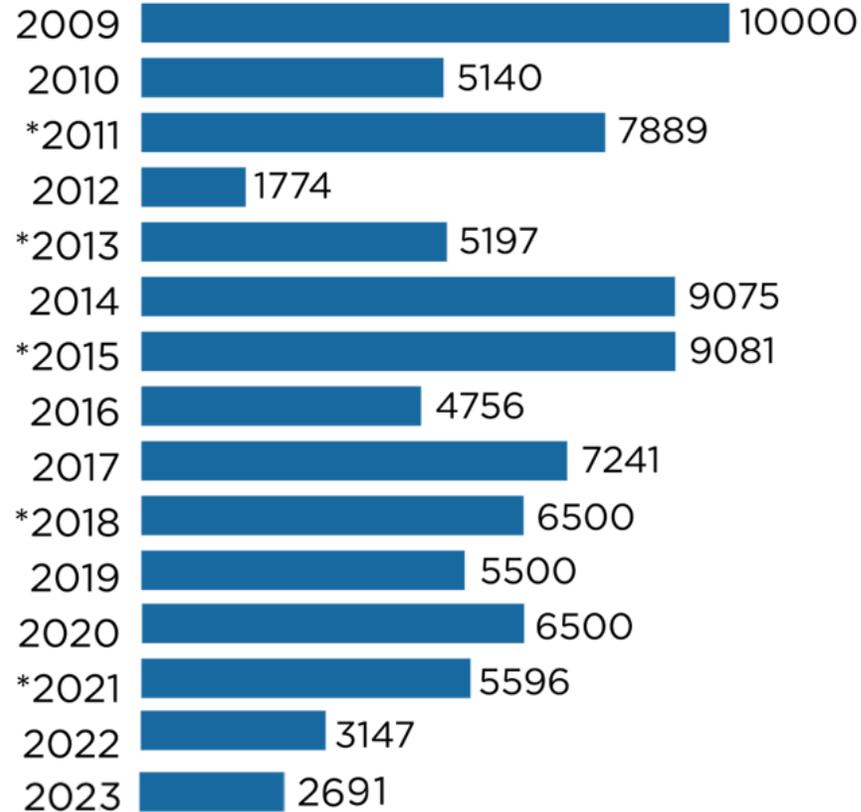
Historical Data

* Indicates a year where we have had at least one blizzard

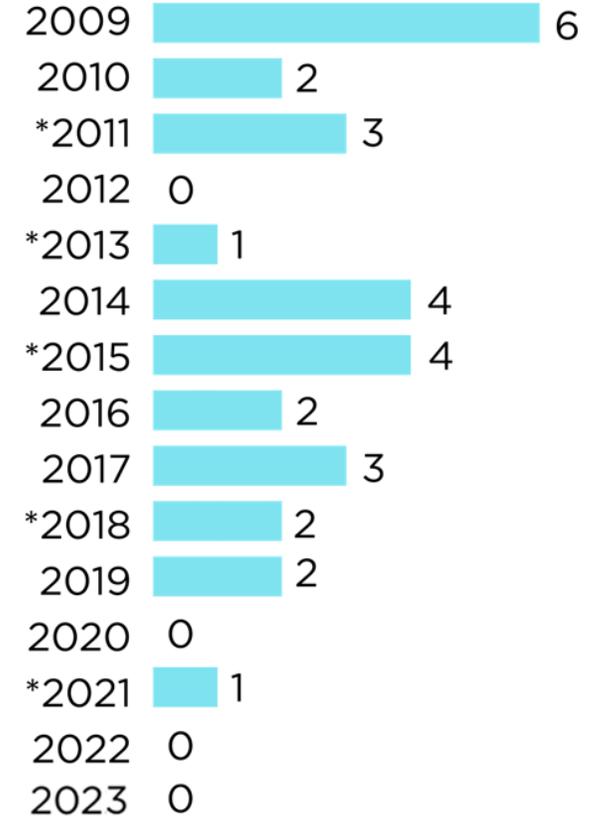
Snowfall (Inches)



Salt Tons



Number of Parking Bans



Averages

Snowfall: 46.93 inches

Salt Tons: 6006

Preparing for Winter Weather Outlook

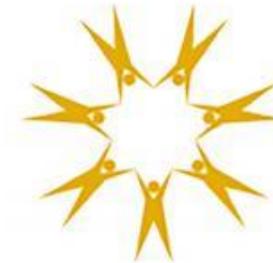
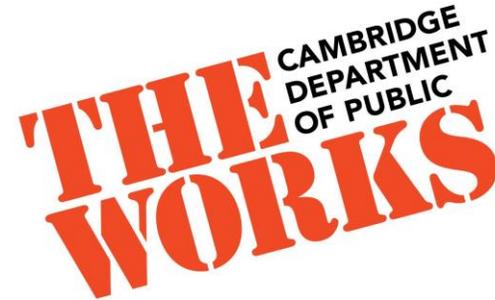
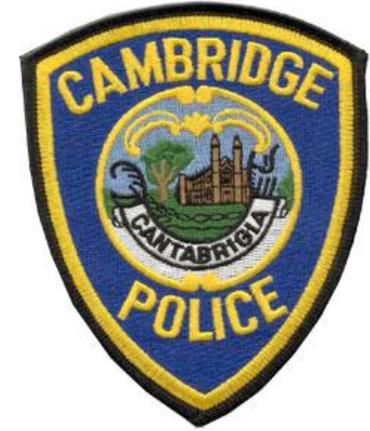


Precipitation Outlook

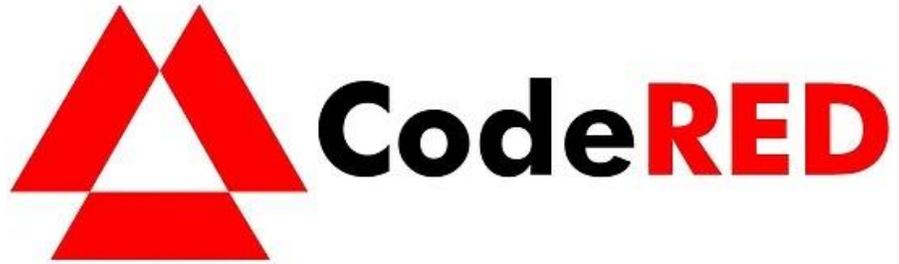
- ▶ Temperatures above normal across New England.
- ▶ Snowfall below normal for most of southern and central New England, could be above normal north.
- ▶ Not much in the way of precipitation across New England next 15-30 days if long range is correct.
- ▶ Potential for inside runners (storm track west of New England) higher than normal.

Citywide Storm Coordination

- DPW
- City Managers Office
- Police Department
- Fire Department
- Cambridge Public Schools
- Dept of Human Services
- Traffic Parking & Transportation
- Water Department
- Electrical
- Inspectional Services
- Emergency Communications



Department of
Human Service Programs



Parking Ban

- Declaring the ban
 - Notification and Communication
 - Snow Center
 - CodeRED
 - Social Media
 - Towing Operations
 - Supervision
 - Coordination
 - Street assessment
 - Traffic and DPW
 - Lifting the Ban

Snow Emergency Parking

52 Oxford St
(Harvard)

65 Waverly St
(MIT)

First St Garage
(City)

Green St Garage
(City)

**Cambridge
Galleria** *(Private)*

**One Kendall
Square Garage**
(Private)



Public Transportation Accessibility

Bus Stops/Ramps

- ▶ Cambridge Street
- ▶ Massachusetts Avenue
- ▶ Concord Avenue
- ▶ Mount Auburn Street
- ▶ Western Avenue
- ▶ River Street
- ▶ Huron Avenue
- ▶ Rindge Avenue
- ▶ Broadway
- ▶ Prospect Street
- ▶ Pearl Street
- ▶ Brookline Street
- ▶ Green Street
- ▶ Granite Street
- ▶ Aberdeen Ave
- ▶ Magazine Street
- ▶ Putnam Ave – Western to Brookline
- ▶ Bigelow Street
- ▶ Inman Street
- ▶ Webster Street
- ▶ Windsor Street
- ▶ Garden Street
- ▶ Main Street
- ▶ Kirkland Street
- ▶ Quincy Street
- ▶ Columbia Street
- ▶ Hampshire Street



Pedestrian Operations



30+ miles of City-Cleared Sidewalks/ Curb Ramps



Abutting schools, public buildings, public open space



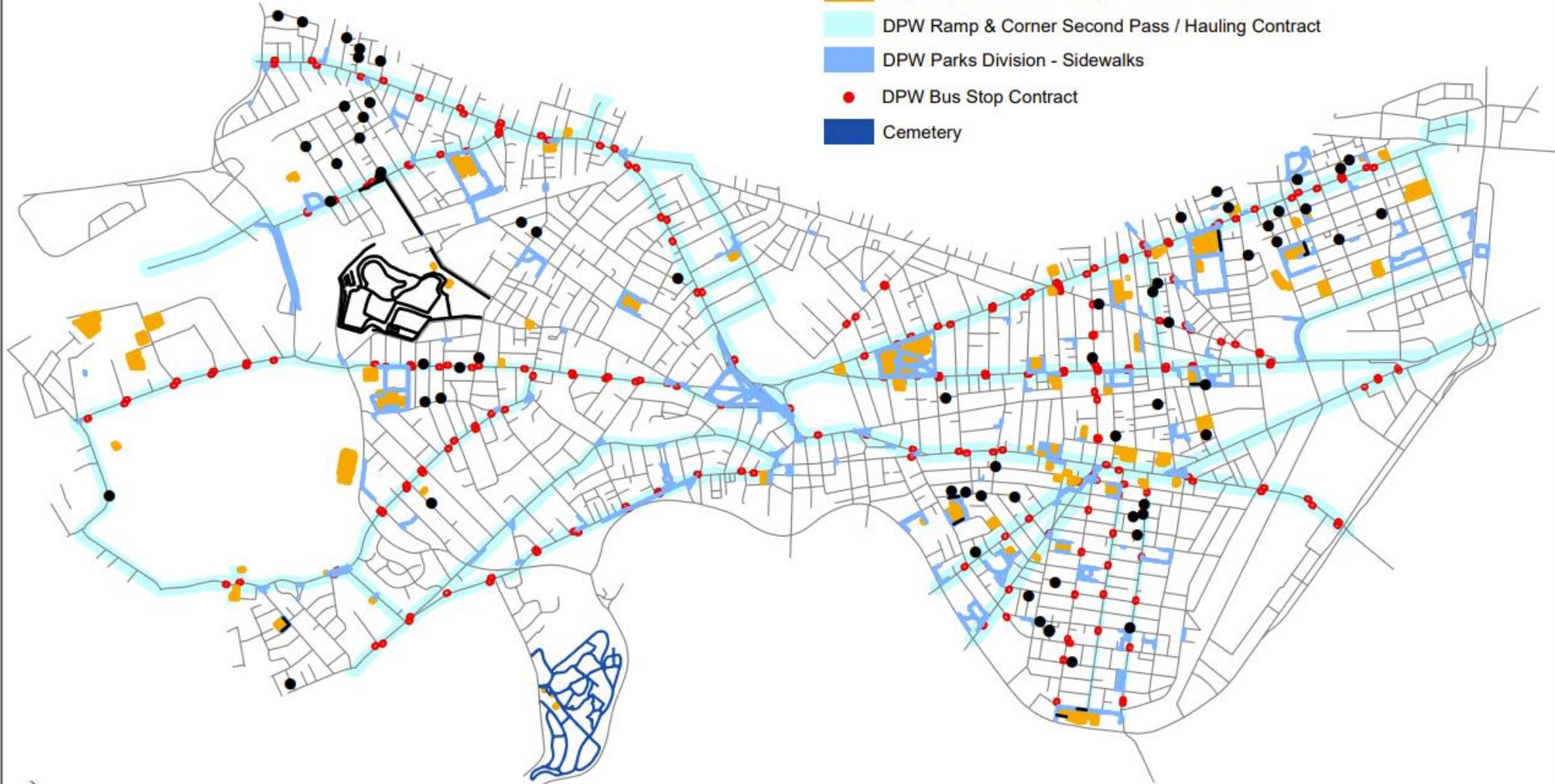
City-owned parking lots and garages



Residential exemption program

SIDEWALK SNOW REMOVAL 12/2024

- Exemption List (Old Data) 66 Locations
- Recreation Dept (Old Data)
- City Properties - All Frontages and Bike Racks
- DPW Ramp & Corner Second Pass / Hauling Contract
- DPW Parks Division - Sidewalks
- DPW Bus Stop Contract
- Cemetery



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School/Public Safety Access



Protected and Raised Bike Lanes

- Challenging
- Timing
- Messaging
- Responsibility



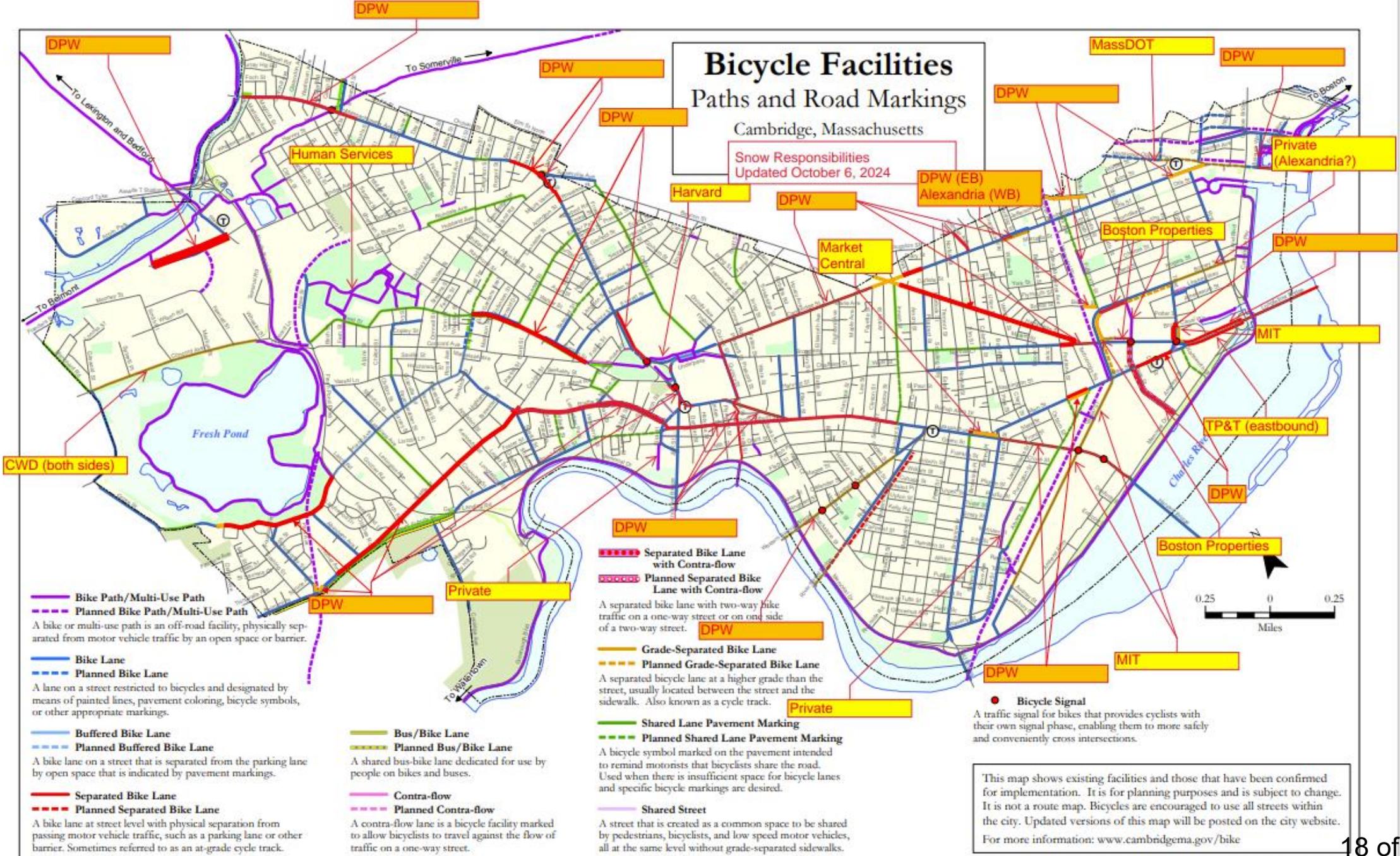
Bike Facilities and Snow Removal

- The number of bike facilities are increasing every year
 - Newest bike lanes on Mt Auburn St., Main St., Brattle St., Hampshire St., Cambridge St., Broadway
- Each has different needs in terms of snow removal
- In some cases, these facilities are part of “quick build” projects and present challenges in terms of maintenance during snow season
- Snow removal in bike facilities is a shared responsibility between
 - DPW
 - DHSP
 - TP&T
 - Private Developments
 - Universities

Bicycle Facilities Paths and Road Markings

Cambridge, Massachusetts

Snow Responsibilities
Updated October 6, 2024



Bike Path/Multi-Use Path
Planned Bike Path/Multi-Use Path
 A bike or multi-use path is an off-road facility, physically separated from motor vehicle traffic by an open space or barrier.

Bike Lane
Planned Bike Lane
 A lane on a street restricted to bicycles and designated by means of painted lines, pavement coloring, bicycle symbols, or other appropriate markings.

Buffered Bike Lane
Planned Buffered Bike Lane
 A bike lane on a street that is separated from the parking lane by open space that is indicated by pavement markings.

Separated Bike Lane
Planned Separated Bike Lane
 A bike lane at street level with physical separation from passing motor vehicle traffic, such as a parking lane or other barrier. Sometimes referred to as an at-grade cycle track.

Bus/Bike Lane
Planned Bus/Bike Lane
 A shared bus-bike lane dedicated for use by people on bikes and buses.

Contra-flow
Planned Contra-flow
 A contra-flow lane is a bicycle facility marked to allow bicyclists to travel against the flow of traffic on a one-way street.

Separated Bike Lane with Contra-flow
Planned Separated Bike Lane with Contra-flow
 A separated bike lane with two-way bike traffic on a one-way street or on one side of a two-way street.

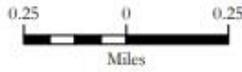
Grade-Separated Bike Lane
Planned Grade-Separated Bike Lane
 A separated bicycle lane at a higher grade than the street, usually located between the street and the sidewalk. Also known as a cycle track.

Shared Lane Pavement Marking
Planned Shared Lane Pavement Marking
 A bicycle symbol marked on the pavement intended to remind motorists that bicyclists share the road. Used when there is insufficient space for bicycle lanes and specific bicycle markings are desired.

Shared Street
 A street that is created as a common space to be shared by pedestrians, bicyclists, and low speed motor vehicles, all at the same level without grade-separated sidewalks.

Bicycle Signal
 A traffic signal for bikes that provides cyclists with their own signal phase, enabling them to more safely and conveniently cross intersections.

This map shows existing facilities and those that have been confirmed for implementation. It is for planning purposes and is subject to change. It is not a route map. Bicycles are encouraged to use all streets within the city. Updated versions of this map will be posted on the city website. For more information: www.cambridgema.gov/bike



Snow Hauling





Specialty Equipment

Sidewalk/Bike Lanes



- Holder sidewalk tractor
- Wacker Neuson sidewalk tractor
- Multihog tractor
- Bobcat skid steer



Ticketing/Fines

Snow Season	# of Complaints Received
2016-2017	1068
2017-2018	933
2018-2019	591
2019-2020	695
2020-2021	758
2021-2022	970
2022-2023	223
2023-2024	403
Total:	5641

Snow Season	# of Citations Issued
2016-2017	546
2017-2018	166
2018-2019	210
2019-2020	326
2020-2021	223
2021-2022	274
2022-2023	83
2023-2024	188
Total:	2016

Payments made on tickets within 6 months of issuance is approximately 50%



Challenges

- Continuity of Services
- Dead Ends
- One-way Streets
- Handicap Parking
- Space savers





Anti-Icing & De-Icing





Anti-Icing with Brine

The brine solution is applied in liquid form to the roadway before anticipated snow or ice and prevents snow and ice from bonding with the street surfaces. Unlike granular salts which can bounce off roadways or get stuck on top of snow and ice, brine begins working immediately once it comes into contact with precipitation.



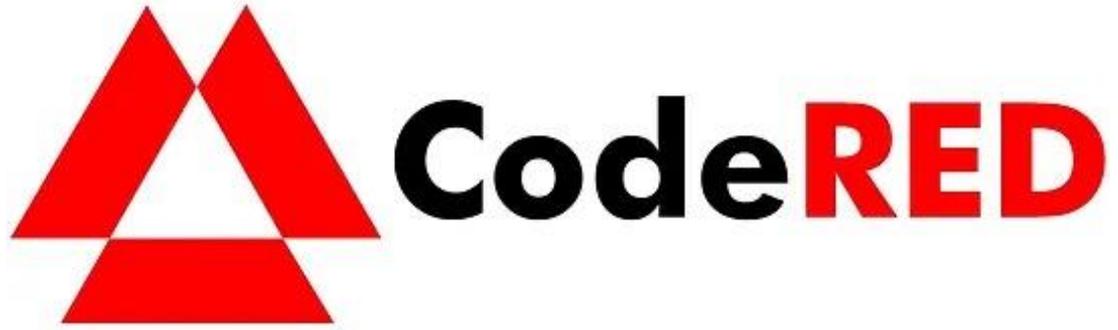
De-Icing

During and after a storm, we work to de-ice the roads, bike lanes, and sidewalks. We remove the ice and snow from the surface of the road by plowing and applying additional materials to the surface of the roads. This helps to loosen the ice and snow from the pavement, while also lowering the freezing point of water.



Materials Used

- Rocksalt
- Magnesium Chloride
- Pre-mix



Visit Cambridge Snow Center for More Updates

www.cambridgema.gov/snow

CITY OF CAMBRIDGE

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Services ▾ I Want To ▾ Departments ▾ Search

Home > Snow Center

Parking Transportation Streets & Sidewalks Shoveling Resources

SNOW CENTER

Last Updated at April 4, 7:38 AM

 Parking Ban NOT IN EFFECT	 Libraries REGULAR HOURS	 City Offices REGULAR HOURS	 Trash and Recycling ON SCHEDULE	 Human Service Programs REGULAR SCHEDULE
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Contact Us



Questions?

