

City of Cambridge Winter Operations

Agenda

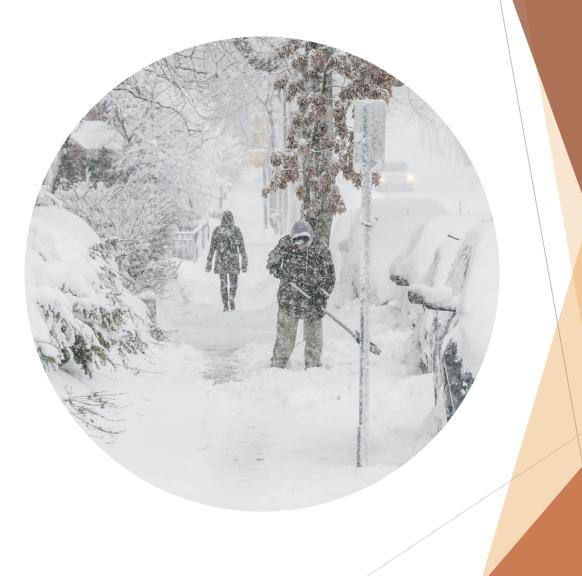


2022-23 Season Event Summary

- ▶13.6" of snow
- ► 13 salting events
- ▶2 plow events
- ► 0 hauling events
- 3147 tons of salt

Historical Data

			Number of
	Snowfall	Salt	Parking
Year	(inches)	Tons	Bans
2000	25		
2001	46		
2002	15		
2003	68	6027	
2004	35	4744	
*2005	87	8004	
2006	40	5180	
2007	17	3162	
2008	51	8623	
2009	66	10,000	6
2010	36	5,140	2
*2011	81	7,889	3
2012	9	1,774	0
*2013	63	5,197	1
2014	59	9,075	4
*2015	110	9,081	4
2016	27	4,756	2
2017	45	7,241	3
*2018	67	6,500	2
2019	41	5,500	2
2020	22	6,500	0
*2021	55	5,596	1
2022	13	3,147	0
AVERAGE	47	6,157	



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



Preparing for Winter - Weather Outlook

Precipitation Outlook

- Still to early to tell
- Summer of 2023 has been the 2nd rainiest season on record with over 40"
- Scientists say the pattern of heavy rainfall experienced in the Northeast this summer has the fingerprints of climate change all over it.
- ► It's been a summer of <u>climate extremes</u>. Heatwaves, wildfires, record-breaking ocean temperatures and here in the Northeast, a whole lot of rain.



Storm Coordination

- Public Works
- City Managers Office
- ► Traffic Parking & Transportation
- Police
- School Department
- Human Services
- Water
- ► Fire/Emergency Management
- Electrical
- Inspectional Services
- Emergency Communications

Parking Ban

- Notification
- Tow Truck Supervision/Coordination
- Follow up
- Lifting the Ban









Access to Public Transportation

Pedestrian Operations

- 23 miles of City-Cleared Sidewalks/ Curb Ramps
- Abutting schools, public buildings, public open space
- City-owned parking lots and garages
- Residential exemption program

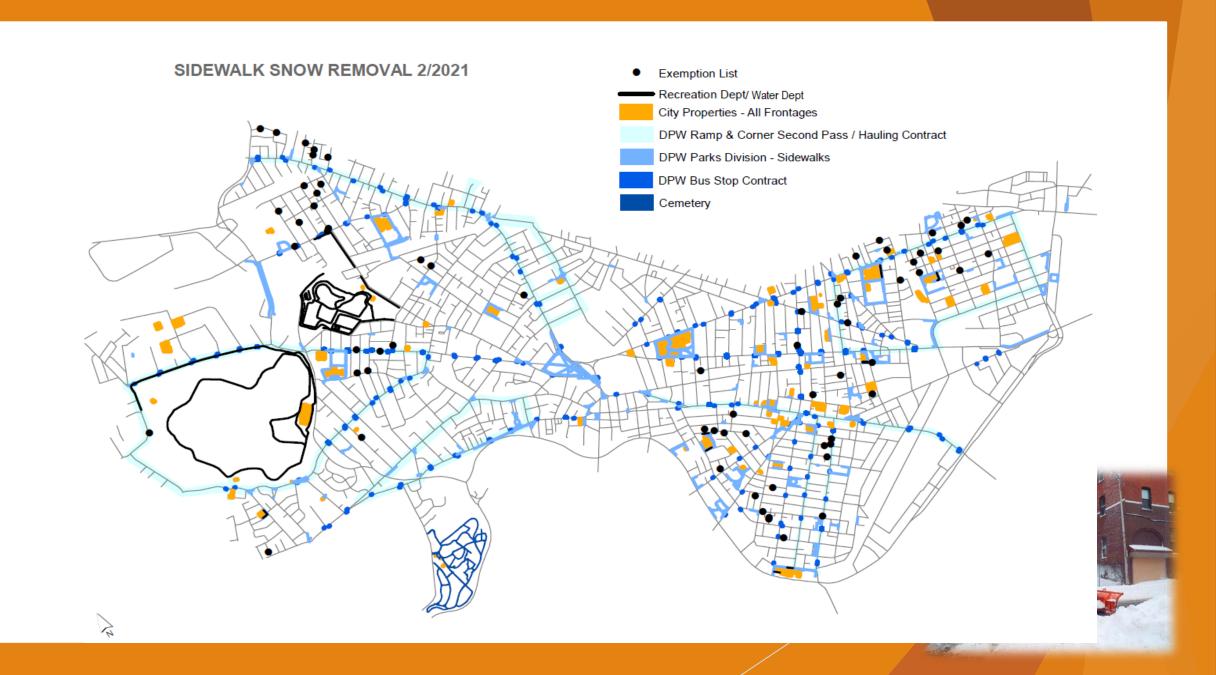


Bus Stops/Ramps

- 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





School/Public Safety Access

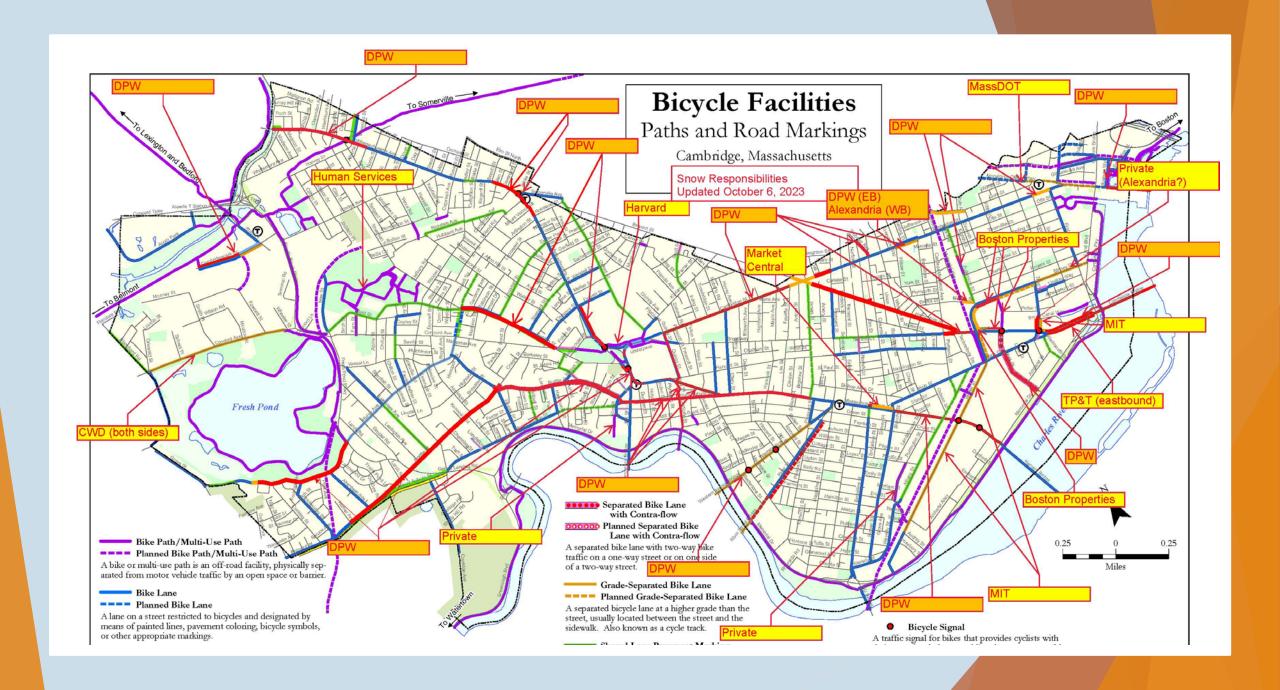




Protected and Raised Bike Lanes



- Challenges
- Timing
- Messaging
- Responsibility

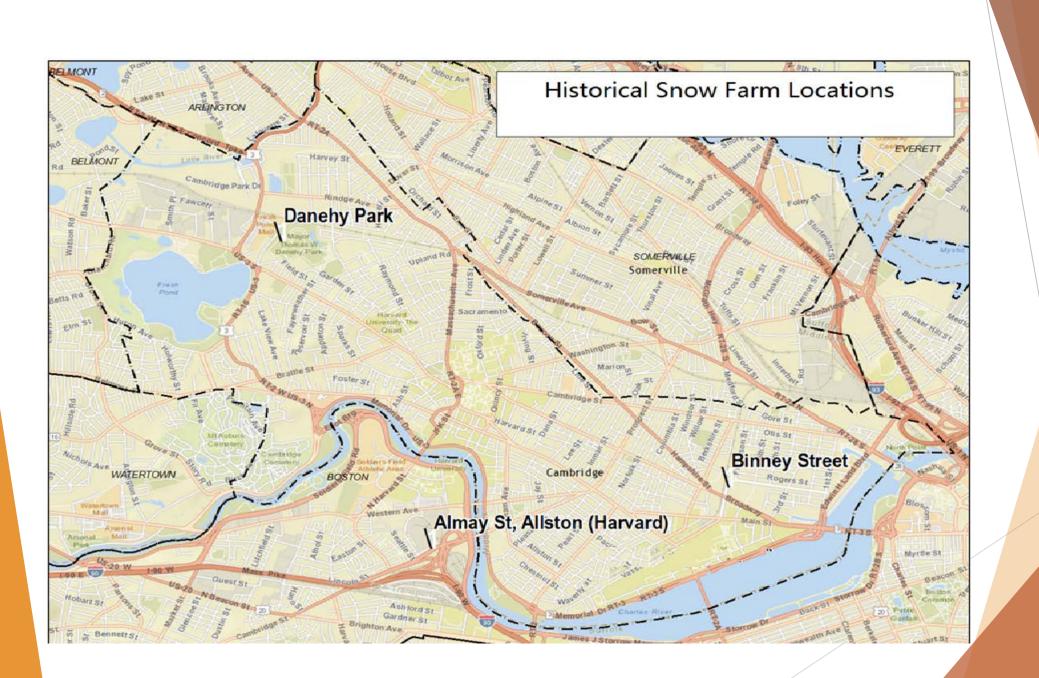


Bike Facilities and Snow Removal

- The number of bike facilities are increasing every year
- 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

Snow Hauling







Ticketing/Fines

Snow Season	# of Complaints Received	Snow Season	# of Citations Issued
2016-2017	1068	2016-2017	546
2017-2018	933	2017-2018	166
2018-2019	591	2018-2019	210
2019-2020	695	2019-2020	326
2020-2021	758	2020-2021	223
2021-2022	970	2021-2022	274
2022-2023	223	2022-2023	83
Total:	5238	Total:	1828

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







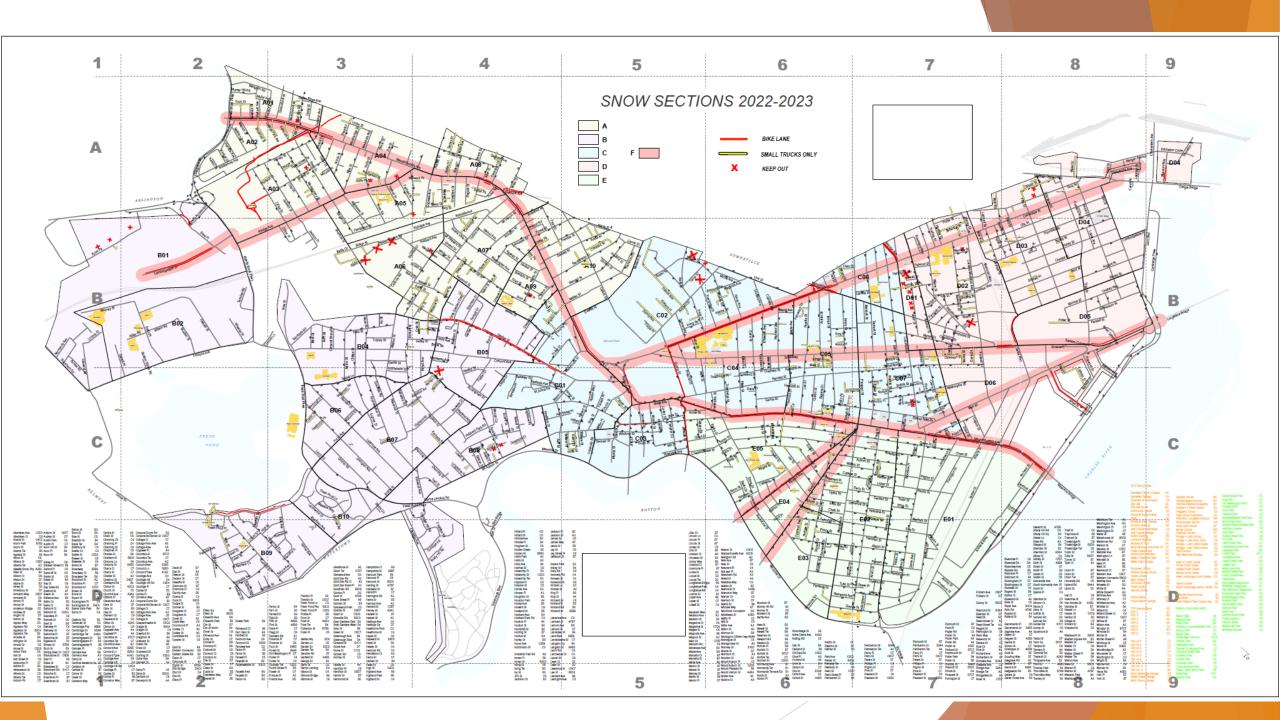
What's New

Brine Farm





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.















Questions?