Committee Member Instructions

• Committee members may speak and show webcam video
• Use "Raise Hand" button to help manage discussion
  • Located at the bottom of the Participants panel (See A1-2 below) OR at the bottom of the screen (see B below)
  • *9 to Raise Hand by phone
• Please stay muted unless speaking
  • *6 to mute/unmute by phone
City of Cambridge
Community Development Department

Pedestrian Committee Meeting

October 28, 2021
Meeting Agenda

1. Minutes & Note-taker
2. Snow!
3. Public Comment
4. Updates
   • DPW
   • TP&T
   • Other projects
5. Development Projects
6. Public Comment
7. Other Updates and Announcements
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Public Comment Instructions

• Members of the public are muted and cannot show webcam video
• Public can write questions or ask for assistance in Q&A window at any time
  • Questions may be submitted at any time and will be addressed as time allows, during discussion/comment periods
• During the Public Comment period, use the "Raise Hand" button to signal you have a question/comment. A staff member will then enable you to unmute yourself.
  • *9 to Raise Hand by phone
  • *6 to Mute/Unmute by phone
• Please be respectful! Participants will be removed for inappropriate behavior
Snow!

Brian McLane (DPW)
bmclane@cambridgema.gov
City of Cambridge
Winter Operations
Agenda

- Historic data
- Storm Coordination
- Safety/Accessibility
  - Parking bans
  - Public Safety/School Accessibility
    - Public Transportation
    - Pedestrian Operations
  - Bike Lanes
  - Snow Hauling
- Challenges
- Outreach
- Questions
### Historical Data

<table>
<thead>
<tr>
<th>Year</th>
<th>Snowfall (inches)</th>
<th>Salt</th>
<th>Tons</th>
<th>Number of Parking Bans</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001</td>
<td>46</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2002</td>
<td>15</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2003</td>
<td>68</td>
<td>6027</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2004</td>
<td>35</td>
<td>4744</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*2005</td>
<td>87</td>
<td>8004</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2006</td>
<td>40</td>
<td>5180</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2007</td>
<td>17</td>
<td>3162</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2008</td>
<td>51</td>
<td>8623</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2009</td>
<td>66</td>
<td>10,000</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>2010</td>
<td>36</td>
<td>5,140</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>*2011</td>
<td>81</td>
<td>7,889</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>2012</td>
<td>9</td>
<td>1,774</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>*2013</td>
<td>63</td>
<td>5,197</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2014</td>
<td>59</td>
<td>9,075</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>*2015</td>
<td>110</td>
<td>9,081</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>2016</td>
<td>27</td>
<td>4,756</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>2017</td>
<td>45</td>
<td>7,241</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>*2018</td>
<td>67</td>
<td>6,500</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>2019</td>
<td>41</td>
<td>5,500</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>2020</td>
<td>22</td>
<td>6,500</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>2021</td>
<td>46</td>
<td>6,500</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>AVERAGE</td>
<td>48</td>
<td>6,355</td>
<td>2.4</td>
<td></td>
</tr>
</tbody>
</table>

* Indicates a year where we have had at least one blizzard
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
What Do We Use?

- **Salt (Solid or Liquid)**
  - Salt is endothermic and absorbs heat.
  - *Meaning the salt, we use reduces the freezing temperature of water from 32 Degrees down to 4 degrees*

- **Treated Salt**
  - Lowers working temperature to below zero
  - Corrosion inhibitor

- **Agricultural by-product**
  - Sugar which is a larger molecule.
  - Allows brine to stick to the road better
  - Corrosion inhibitor
  - *When mixed with Brine it lowers the working temperature to below zero.*
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

BEFORE

AFTER
Specialty Equipment - Sidewalk/Bikelanes

- Holder sidewalk tractor
- Wacker Neuson sidewalk tractor
- Multihog tractor
- Bobcat skid steer
## Ticketing/Fines

<table>
<thead>
<tr>
<th>Snow Season</th>
<th># of Complaints Received</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016-2017</td>
<td>1068</td>
</tr>
<tr>
<td>2017-2018</td>
<td>933</td>
</tr>
<tr>
<td>2018-2019</td>
<td>591</td>
</tr>
<tr>
<td>2019-2020</td>
<td>695</td>
</tr>
<tr>
<td>2020-2021*</td>
<td>615</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td><strong>3902</strong></td>
</tr>
<tr>
<td>* As of 2/10/21</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Snow Season</th>
<th># of Citations Issued</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016-2017</td>
<td>546</td>
</tr>
<tr>
<td>2017-2018</td>
<td>166</td>
</tr>
<tr>
<td>2018-2019</td>
<td>210</td>
</tr>
<tr>
<td>2019-2020</td>
<td>326</td>
</tr>
<tr>
<td>2020-2021*</td>
<td>171</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td><strong>1419</strong></td>
</tr>
<tr>
<td>* As of 2/10/21</td>
<td></td>
</tr>
</tbody>
</table>

Payments made on tickets within 6 months of issuance over the past 4 years, is approximately 50%
Challenges

- Continuity of Services
- Dead Ends
- One-way Streets
- Handicap Parking
- Space savers
The newest tool in our toolbox.....Brine
It’s not just for Turkeys!

Brine Farm

Truck application

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.
What can you do?
- Remove all snow and ice from your walkway
  - If you live on a corner remove snow from the crosswalk

What Should I use?
- We don’t specifically endorse any product
  - BUT - when using the product use the recommended amount
    - 1 cup of road salt will cover 20 sf or 4 sidewalk panels
- What we don’t recommend
  - Sand
    - Clogs our drains and rivers
    - Can actually make surfaces more dangerous.
Questions?
DPW Updates

Brian McLane (DPW)
TP&T Updates

Dana Benjamin (TP&T)
dbenjamin@cambridgema.gov
TP&T Updates

- South Mass Ave Bus Lane Project
TP&T Updates

• Mass Ave – Dudley Street to Alewife brook Parkway Quick Build project
Public comment
Public Comment Instructions

• Use the "Raise Hand" button to signal you have a question/comment. A staff member will then enable you to unmute yourself.
  • *9 to Raise Hand by phone
  • *6 to Mute/Unmute by phone

• Questions can also be submitted using the Q&A button.
Select Upcoming Meetings and Events
Other Announcements
Thank You