

## Winter Maintenance - Class Evaluations

**Location:** Basset Creek WD

**Number of Evaluations:** 20

**Course Date:** October 13, 2017

**Presenters:** Connie Fortin and Tom Broadbent

### Survey Questions:

#### 1) Organization type

**17/20** Government

**0/20** Private

**3/20** No Response

#### 2) Job Titles

- Grounds ISD 281 (2)
- Parks Maintenance/keeper (2)
- Public works maintenance (2)
- Streets maintenance (2)
- Maintenance worker (2)
- Grounds (2)
- Utilities supervisor
- Training manager
- Grounds Program Director
- Parks and forestry maintenance
- MPRB

#### 3) Was this class useful to you?

**18/20 YES**

**0/20** NO

**2/20** SOMEWHAT

**0/20** No Response

#### 4) Will the handouts be useful to you?

**15/20 YES**

**0/20** NO

**5/20** SOMEWHAT

**0/20** No Response

#### 5) Difficulty Rating of Class

**2/20** 1 (too easy)

**6/20** 2

**12/20 3**

**0/20** 4

**0/20** 5 (too hard)

**0/20** No Response

#### 6) List one barrier in the way of improving your snow and ice practices:

- Public or customer expectations/perception (6)
- Budget (4)
- Education of public (2)

- Old school ideas (2)
- Employees
- Staff and schools
- Calibration

7) What was the most useful part of the training class?

- Rate chart (8)
- Calibration (2)
- Different materials for deicer (2)
- Learning the effects of salt
- Measuring amount of salt used
- PowerPoint
- All the applications
- Less is more to melt
- Liquid info

8) What was the least useful?

- Not doing a plow route at current city
- Not all apps are the same

9) What additional training, tools or equipment could help you?

- Hands on experience/demonstration (3)
- Customer education (2)
- Pretreatment equipment
- Hydrometer
- Equipment samples
- Liquid equipment
- Road temps
- Alternative practices

10) Would you recommend this class to your colleagues?

**20/20 YES**

**0/20 NO**

**0/20 NO ANSWER**

11) Will you be able to reduce the environmental impacts of your winter maintenance activities as a result of attending this class?

**15/20 YES**

**0/20 NO**

**5/20 NOT SURE**

**0/20 NO ANSWER**

12) Will following the suggested practices decrease the safety of the roads/parking lots?

**2/20 YES**

**11/20 NO**

7/20 NOT SURE  
0/20 NO ANSWER

13) Do you think you can save money by implementing some of the practices?

18/20 YES

0/20 NO  
2/20 NOT SURE  
0/20 NO ANSWER

14) Other comments or suggestions:

- Principals and teachers don't understand how much salt is used. They need to "see" the product to know it is working
- City of Minneapolis should have more plow drivers attend this class
- Schools need to be educated
- Keep offering the class
- The public needs to learn more. This is very informative – thank you!
- I hope I can implement practices vs. liability

## Basset Creek 10.13.17

BMP	Already do	Yes	Maybe	No	Total	Already do %	Yes %	No %	Maybe %	Total
Use an application rate chart.	1	15	2	0	18	6%	83%	11%	0%	100%
Calibrate equipment each year.	7	7	4	0	18	39%	39%	22%	0%	100%
Learn about the deicer ingredients and use the appropriate one for the condition.	3	13	2	0	18	17%	72%	11%	0%	100%
Look for reasons why materials are leaking or spilling from vehicles and fix them (e.g. gaps, overfilling, etc).	11	6	1	0	18	61%	33%	6%	0%	100%
Develop a comprehensive winter maintenance policy. Follow your policy.	6	7	4	1	18	33%	39%	22%	6%	100%
Measure and use pavement temperatures.	2	4	12	0	18	11%	22%	67%	0%	100%
Use anti-icing appropriately prior to the storm.	6	6	6	0	18	33%	33%	33%	0%	100%
Plow before applying deicers.	9	6	3	0	18	50%	33%	17%	0%	100%
Use wet materials (pre-wet or pre-treated).	8	4	4	1	17	47%	24%	24%	6%	100%
Don't apply sodium chloride (road salt) for pavement temperatures below 15°F.	7	4	6	1	18	39%	22%	33%	6%	100%
Don't apply deicers for pavement temps under -10°F. It's too cold.	7	7	4	0	18	39%	39%	22%	0%	100%
Separate salt and sand. Use salt for melting. Use sand for traction.	9	4	2	3	18	50%	22%	11%	17%	100%
Apply deicers in the center of the road or on the high side of the curve.	10	5	2	1	18	56%	28%	11%	6%	100%
Store the salt in a building or under secure cover.	15	2	1	0	18	83%	11%	6%	0%	100%
Store salt out of the path of water flow or direct the water away from storage area.	15	2	1	0	18	83%	11%	6%	0%	100%
Store snow away from lakes, ponds and wetlands.	9	6	1	2	18	50%	33%	6%	11%	100%
Sweep up sand and dispose of properly.	10	5	2	1	18	56%	28%	11%	6%	100%
For each event, document what you did and how well it worked. Use this information to make improvements.	4	7	7	0	18	22%	39%	39%	0%	100%
Talk to others about what you are trying to do to protect lakes and rivers.	3	12	3	0	18	17%	67%	17%	0%	100%
<b>Total</b>	<b>142</b>	<b>122</b>	<b>67</b>	<b>10</b>	<b>341</b>					
<b>%</b>	<b>42%</b>	<b>36%</b>	<b>20%</b>	<b>3%</b>	<b>100%</b>					