



Information Brief Snow and Ice Control

KPMG Fiscal and Operational Review

March 4, 2021

Why are we here?

KPMG - identified opportunity

“The City should consider further analysis into clearing methodologies and associated service levels, as prioritizing the removal of snow, instead of clearing coverage and response time, appears to differ from the practices seen in other cities.”

Feedback Sought

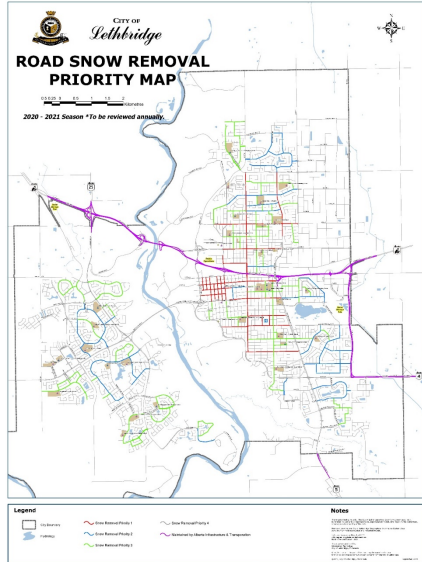
Civic Works Committee to provide feedback on proposed efficiency opportunities prior to starting public engagement

Council Policy CC34

"The intent of the snow and ice control program is to minimize the economic loss to the community, reduce the inconvenience and hazards of winter conditions for motorists and pedestrians and facilitate the operation of Transit and Emergency Service vehicles."

"...to create acceptable winter driving conditions for vehicles that are properly equipped for winter driving and are operated in a manner consistent with good winter driving habits."

Current Service Level: **Snow Removal**



Efficiency Opportunity – **Plow More Roads**

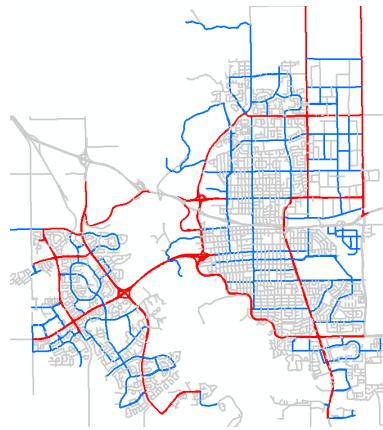
Option	Benefits	Drawbacks	Considerations
Maintain current practice	Status Quo	Status Quo	Plowing & Rutting management service levels
Plow selected collector roads/bus routes	Improved traffic flow Less snow removal	Windrows Blocked drainage Property damage Parking impacts Property access	Road selection criteria Parking bans & snow routes Windrow removal
Plow all or the majority of streets	Improved traffic flow Less snow removal	Windrows Blocked drainage Property damage Major parking impacts Property access	Numerous

Plow More Roads



Sample Priority Plowing Update

Current Priority System	Total Existing (Km)	% Total Existing	Total Sample (Km)	% Total Sample	Change (Km)
1	119	14%	116	14%	0
2	46	6%	149	18%	103
3	29	4%	0	0%	-29
Other	630	76%	556	68%	-74



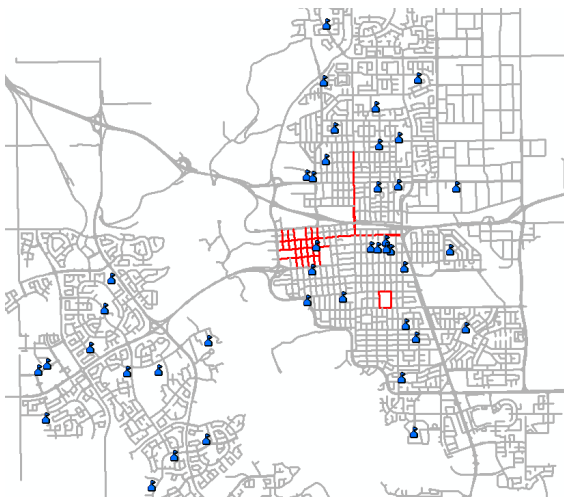
Considerations:

- Road selection criteria
- Parking bans & snow routes
- Windrow removal

Efficiency Opportunity – Modify Snow Removal

Option	Benefits	Drawbacks	Considerations
Maintain current practice	Status Quo	Status Quo	Add snow accumulation trigger service level
Remove snow from only downtown, select streets and the hospital	Cost reduction	Inconvenience and hazards on arterial roads Parking impacts	Road selection criteria Parking bans & snow routes Windrow removal
Remove snow in front of schools	Citizen satisfaction Child safety	Potential cost increases Coordination	Joint use agreements Enhanced service level
No residential removal. Plow to right on emergency only.	Cost reduction	Property damage Access and parking impacts Drainage impacts	Emergency action plan needed

Sample Snow Removal Update



Considerations:

- Road selection criteria
- Parking bans & snow routes
- Windrow removal

Enhancement Opportunity – Drift Response

Option	Benefits	Drawbacks	Considerations
Maintain Current Practice	Status Quo	Status Quo	Proactively removing drifts and responding to service requests
Formalize a Drift Response Service Level/Plan	Equal drift response for all residents	Potential increased costs	Snow fence utilization Contractor utilization Prioritization
No drift control (snow fence)	Increased off-season operational capacity	Potential increased snow removal costs Unhappy residents Impassable roads	Equitable drift response

Tell Us What You Think

Based on what you've heard from the community about snow and ice control:

1. Are these the right efficiencies?
2. Is there anything we're missing?



Questions ?