

Yours Truly

FY22 Snow Program Update

Public Works Committee

August 9, 2021

Outline

- Snow Plan Goal
- Snow Plan
- Communication
- COVID-19 Impact
- Equipment
- Helpful Tips
- How City Council Can Help
- Questions

Snow Plan Goal

- The goal of the City of Lee's Summit (City) is to provide adequate mobility and safety for properly equipped and prudently operated vehicles within a reasonable time after the end of the storm.
 - Provide a high level of customer service to our citizens
 - Defined LOS and completion time
 - Operate within available financial resources
 - Budget using three to five year average of actual expenses
 - Ensure operational balance for the City and employees
 - Continuous 24/7 response as needed

Snow Plan Goal

- The City's Snow Plan outlines steps for the completion of storm response within **24 - 48 hours after precipitation has ended** provided that required levels of equipment/ people are available.
- **Level 1 (pre-treat)**
- **Level 2 (<1" of snow) 24 hrs.**
- **Level 3a (>1" – 6") 32.5 hrs.**
- Level 3b(>6" – 10") 40 hrs.
- Level 4 (>10") 48 hrs.
- Level 5 (sustained winds >30 mph) 48 hrs.

Snow Plan (Best Practices)

- Research and analyze industry trends and Innovation
 - Annual review of the Snow Plan
 - Review of other snow plans
- Achieve full compliance with APWA recommended practices
- Prepare resources for snow operations
 - Annual training for personnel
 - Equipment inspection and preparation



Snow Plan

- The City plows and treats all public streets
 - Every time there is accumulating snow >1”
- All effective equipment is used during the entire snow event
 - In some situations not all equipment is effective
- Streets are plowed in order of priority
 - Primary, Secondary and Residential

Snow Plan

- Primary Streets
 - Main Roads – such as Chipman, Douglas, Langsford
- Secondary Streets
 - Main roads in subdivisions – such as Eagle View Dr., Forest Park, Ashton Dr.
 - Goal to have all homes within $\frac{1}{4}$ mile of plowed primary or secondary street
- Residential Streets
 - All other streets

Communication

- Snow Desk
- LSsnow.net – latest updates
- Facebook
- Twitter
- Nextdoor
- Progress Mapping



COVID-19 Impact

COVID-19 required changes in normal snow operations

- Public works were able to meet our goals
 - Vacancies and COVID continue to reduce the number of employees available to plow snow
 - Additional time disinfecting building/equipment
 - Trucks, tables, radios and map books are shared
- Staggered start times for snow plow drivers
 - Typical Snow Operations requires nearly 70 employees

Equipment

- FY15 Public Works began a six year program outfitting dump trucks with brine applicators and wing plows.
- Trucks were upgraded as they were replaced.
- Upgraded trucks
 - Increased salt capacity
 - Allows the application of liquids
 - Increased efficiency without adding additional equipment or staff

Equipment cont.

Old Design



New Trucks have:

- Heavier plow and frame mount
- Larger salt capacity
- Wing plow
- Liquid distribution

New Design



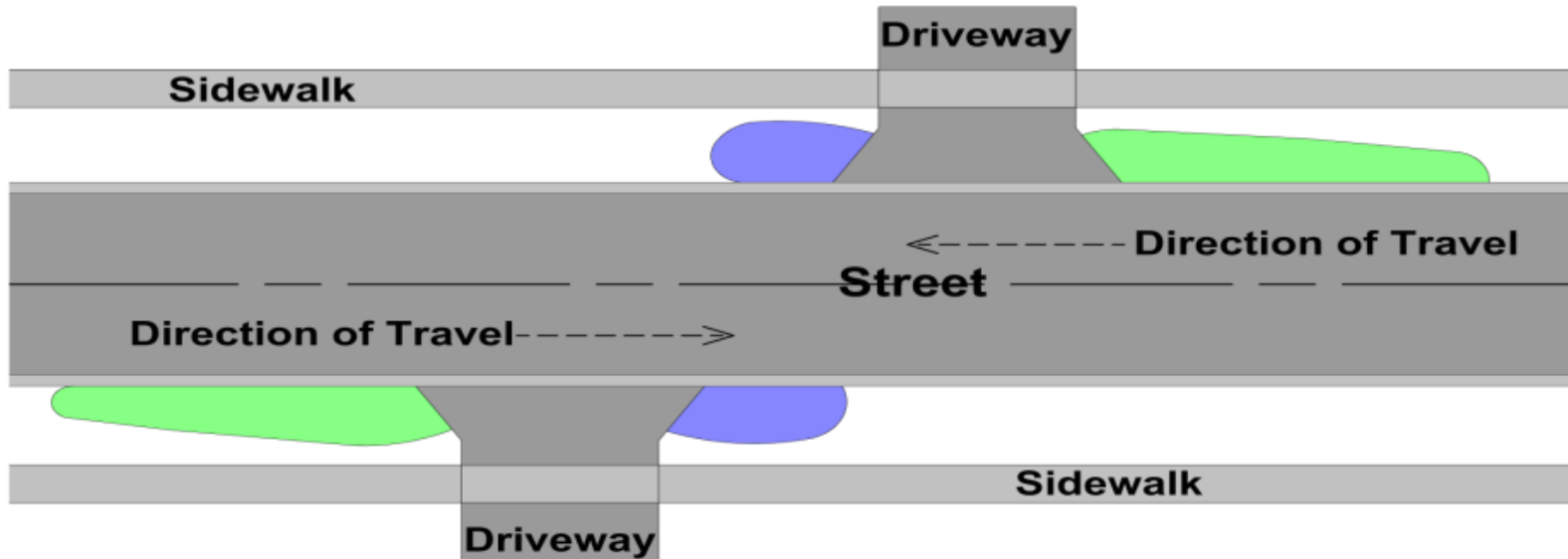
Equipment cont.

- Final dump truck will be upgraded in FY21
 - Wing plows
 - Liquid distribution
- Contract Specialist vehicle will be upgraded to a 4x4 to assist with quality assurance during snow events.



Helpful Tips

- Remove cars from the street
- Keep trashcans and basketball goal out of the street
- Do not build snow forts in the piles of snow in the street
- Do not shovel snow from your driveway into the street
- Shovel downstream of snow plowing to lessen the amount of snow left at your driveway entrance

Helpful Tips cont.



LEGEND

-  Pile Snow Downstream of Plowing Operation
-  Clear this Area (Make a pocket for plow to drop snow)

How City Council Can Help

- Help managing expectations
- Help rally our troops
- Help educate the public (share our snow goal)
 - Our goal is to provide adequate mobility and safety for properly equipped and prudently operated vehicles within a reasonable time after the end of the storm.
- Help keep the public informed during snow events

Questions

