

Public Works Snow & Ice Operations

Mayor James O. Langfelder

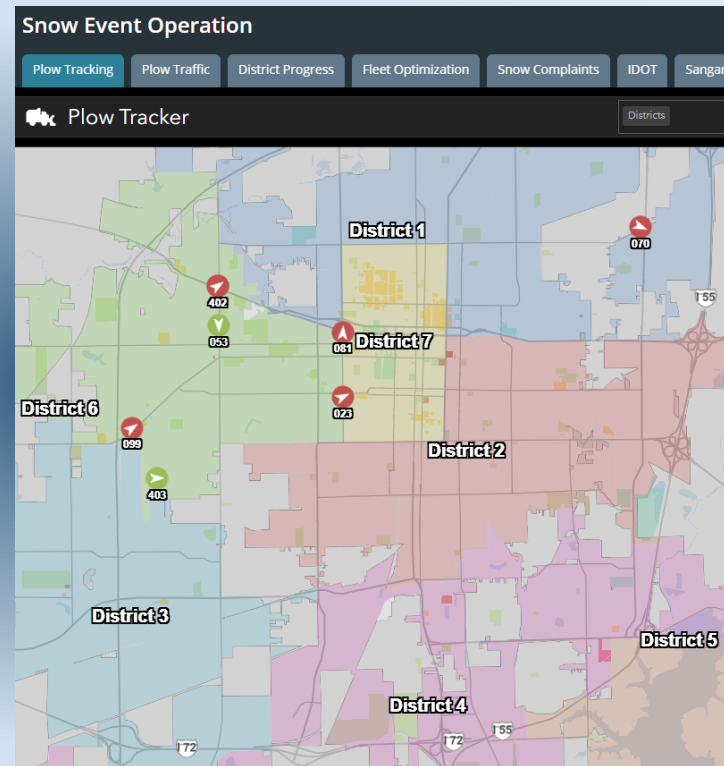
Nathan Bottom, Director



CONTINUOUS IMPROVEMENT

▶ Optimized snow routes:

- ▶ ADT
- ▶ Critical Facility
- ▶ Slope
- ▶ Crash Data
- ▶ Surface Material
- ▶ Bus Routes



TYPES OF STREETS

- ▶ Monitor winter conditions (*1,450 lane miles*)
- ▶ Primary Streets & Trouble Spots (*610 lane miles*)
- ▶ Secondary (Event Specific) Streets (*140 lane miles*)
- ▶ Secondary (Plow Only) Streets (*700 lane miles*)
- ▶ Downtown Sidewalks

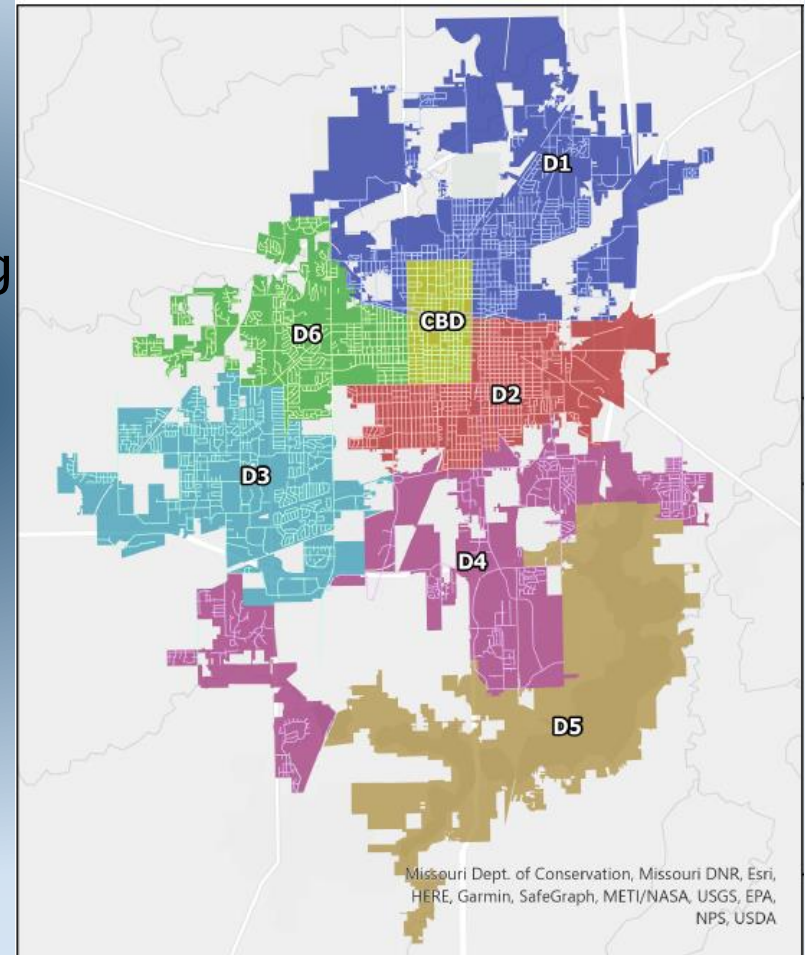


RESOURCES

- ▶ 100 P.W. employees participate in operations
- ▶ 47 pieces of equipment (snow plows, heavy equipment, and light trucks)
- ▶ Lake Services (18 employees & 9 pieces of equipment)
- ▶ CWLP Water (3–5 employees & 5 pieces of equipment)
- ▶ CWLP Electric (3 employees & 3 pieces of equipment)
- ▶ 1450 tons ordered (Average 500 ton/shift)
- ▶ Two salt locations (East & West)
- ▶ Planning to utilize contractors this winter storm

OPERATIONAL APPROACH

- ▶ Pre Event Meeting
- ▶ Pretreatment
- ▶ Early & Continuous Monitoring (Weather Sentry)
- ▶ Pre-Load Trucks
- ▶ Determine Appropriate Operational Approach
- ▶ Operational Management & Execution (Cityworks & AVL)
- ▶ Post Event Evaluation



EVENT SPECIFIC

- ▶ Pre- Event Meeting
- ▶ Snow Emergency Declared
 - Tuesday Feb 1 @ 9 pm – Friday Feb 4 @ 9pm
- ▶ Start salting after 9 pm
- ▶ Running 24-7 next few days
- ▶ Waste Hauler Delays
- ▶ Branch Pickup Delay

CONCLUSION

Snow & Ice Removal:
<https://www.springfield.il.us/snow>

Team Effort