

2017 – 2018 SNOW & ICE CONTROL PROGRAM



Hudson's roadways traverse 25 square miles, consisting of more than 350 lane miles and 230 cul-de-sacs. Seasonal snowfall averages 76 inches per year, but snowfall frequently varies within the City. Northern neighborhoods and hilltops that are just inside Ohio's primary snowbelt can receive larger amounts than areas south of downtown. Numerous hills, curves and bridges require additional attention during freeze / thaw cycles. Lake effect snow storms and multiple consecutive day snow events are common. Portions of State Routes 8, 91 and 303 carry more than 40,000 vehicles per day. A small snow event can produce dangerous roads if not handled quickly and effectively.

Program Details

- The City's salt dome holds approximately 3800 tons of road salt and is currently full in preparation for this winter season.
- There is an estimated 700 tons of additional road salt on the ground and ready for use.
- The City practices sensible salt best practices when treating roadways and uses an average of 9500 tons of road salt each season.
- Snow plow operators have access to liquid deicer that assists in treating both the salt as it is cast on the roads and in temperatures below 20 degrees. There is currently a 1500 gallon supply in preparation for this season.
- The City is divided into 14 snow plow routes for maximum coverage.
- Each of the mainline plow trucks services approximately 25 lane miles.
- The City's 218 cul-de-sacs are cleared by much smaller sub-contracted trucks.
- An experienced snow removal contractor handles snow removal for downtown, First & Main, North Main sidewalks, City buildings and parking lots, and select school crosswalks.
- It takes approximately 90-100 tons of road salt 2-4 hours of time to treat the entire City one time through. This can vary depending on exact weather conditions.
- All Public Works employees work during snow emergencies. Fourteen (14) main drivers, Six (6) reserve drivers from Water Department and Asst. Superintendents, and Ten (10) potential relief drivers from Public Power are trained and available to assist.

Technology

- All mainline trucks are equipped with computerized programmable salt application systems that assist with the proper application rates and the conservation of materials.
- Each snowplow truck is equipped with GPS tracking system to monitor speed, location and progress.
- One new Freightliner 1800-gallon tanker truck will apply environmentally friendly and less corrosive Aqua Salina Plus to pre-treat main routes, bridges, curves and hills.

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This new truck is a hook lift type truck that will serve as a ten-foot dump truck for summer construction activities once snow and ice control duties are completed.

- All plows “float” over the roadway surface using a hydraulic valve balancing system to reduce wear on roadways and plow edges. All new trucks purchased in Public Works have plow capacity for emergency events.

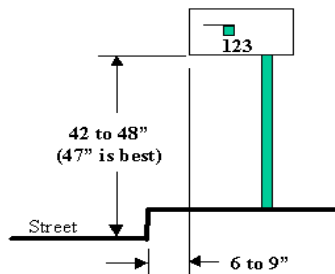
Snow Event Response Prioritization

- 1) Primary Routes / Main Roads
- 2) Neighborhood / Subdivision / Secondary Roads - (includes one outside pass through cul-de-sacs)
- 3) Back to Primary Routes / Main Roads
- 4) Back to Subdivisions
- 5) Clear Cul-de-sacs, bubbles, dead end streets
- 6) Clear Median cross-overs

Note: Above standard operations can be modified based on actual weather conditions and both materials and labor resources.

Helpful Hints for Program Customers

- Trucks plow snow from the middle of the street to the curbside. The snow will land in front of driveways. Be prepared to clear driveway aprons and sidewalk sections.
- Please do not park cars on the street during snow events. This helps reduce the potential of a vehicle being “snowed in”
- Please do not place garbage cans in the street where the snowplow has to maneuver around them.
- Please do not blow/plow snow into the street – Hudson codified ordinance Chapter 860.
- Please do not plow snow into the center of the cul-de-sac, or block hydrants.
- A good mailbox installation (45” to 48” above roadway) is tall enough to escape most heavy snow damage.
- A four by four wooden post buried 18 inches deep serves as a sturdy mailbox post.
- Please check the City website for mailbox policy information.



Residents may also review helpful information at www.hudson.oh.us under “Services” and then select “Snow and Ice Control”.