

2017 – 2018 Winter Operations Snow/Ice Plan

Subject to change

November 2017

Dispatching Services

- Engineering Tech (Sun (0700-1900) and Sat (0700-1900))
- Answering Service (All other times including weekends)

Material Applications

- 350-400 pounds per lane mile (salt)
- 10 gallons per ton (brine)
- 25-30 MPH speed
- Flap adjustments for material centralization
- Solid sanding only as supervisor directs
- White shoulder policy...leave 2 inches of snow unless a drift area
- Intersections (changes as directed by supervisor only)
 1. Primary... 500 feet
 2. Local... 100 feet (unless higher speed)
 3. Subs... 25 feet
- Pre-wet
- No salt when...
 1. Below 20 degrees
 2. Continuous snow
 3. Constant wind
- Anti-icing...using Boost
 1. Watch weather
 2. State Roads particularly bridge decks prior to a storm

Snow Event Guidelines/Priority

- Priority 1...State Trunklines M46 (5 Lane), US31 & I96...Pavement bare from ice and snow using overtime as necessary
- Priority 2...State Trunklines M46 (2 Lane), M37, M120, BU31...Pavement bare from ice and snow wide enough for one wheel track in each direction only using overtime as necessary; plow as priority 1 if drifting
- Priority 3...Primary System
 1. Scrape then apply sand/salt material on hills, curves, intersections, lights
 2. Solid application as directed by supervision only
 3. Overtime after 4 inches and/or continuous storm
- Priority 4...Local Paved System
 1. Scrape then apply sand/salt material on hills, curves, intersections
 2. No solid application unless directed by supervision only
 3. Overtime after 4 inches and/or continuous storm
- Priority 5...Local Gravel
 1. Scrape then apply sand/salt material on hills, curves, intersections
 2. Overtime after 4 inches and/or continuous storm
- Priority 6...Subdivisions
 1. Scrape then apply sand/salt material at intersections and/or as directed by supervision
 2. Overtime after 4 inches and/or continuous storm

Level of service goal if storm is not continuous

...Residents/motorists need to get to their destinations

...All roads open within 13 hours

...Cleanup within 24 hours

Personnel

- 4am call in procedure (sanders/scrapers) unless weather dictates differently and at supervisor discretion
- Call in all employees for a continuous snow
- Accommodate rush hours with holdovers or earlier call ins at supervisor discretion
- Temporary employees (Dec-Feb maybe Mar) assistance
- Second shift (temporary employees)
 1. Muskegon...(4) employees/hold over as necessary
 2. Whitehall...(1) employee/hold over as necessary
 3. Twin Lake...(1) employee/hold over as necessary
 4. Mechanics...shift arrangement same as last year
 - ...One-two employees used as a holdover (in at 7am always) and early call in as necessary for others.
 - ...Call Mechanics before truck drivers if possible
 5. Supervision
 - ...Two (Smith / Mosher)