


Anti-Icing Guidelines

| Predicted Precipitation Event | Recommended Locations | Application Rates | | COMMENTS |
|--|--|------------------------------------|------------------------------|---|
| | | Liquid (gal/lane-mi.) | Pre-wetted Salt (lb/lane-mi) | |
| Frost or Black Ice | Bridge Decks and Trouble Spots | 20-30 (Frost) 30-40 (Black Ice) | Not Recommended | Consider treating approaches as well as bridge decks |
| Sleet | Bridge Decks and Trouble Spots | 20 (Recommended) 30 (Maximum) | Not Recommended | Consider treating approaches as well as bridge decks |
| Freezing Rain | Not Recommended | Not Recommended | Not Recommended | It is not recommended to apply liquid agents in an anti-icing mode prior to freezing rain events. If rain occurs first, it will wash away the agents prior to freezing precipitation. |
| Light Snow ($< 1/2$ " in./hr.) | Bridge Decks, Trouble Spots, and Intersections | 30 (Recommended) 40 (Maximum) | Not Recommended | |
| Moderate or Heavy Snow ($> 1/2$ " in./hr.) | Bridge Decks, Trouble Spots, and Intersections | 40 (Recommended) 50 (Maximum) | Not Recommended | |

Notes:

- 1) Anti-icing operations typically should be conducted during normal, non-overtime working hours and low traffic volume periods
- 2) Weather conditions should warrant and at least meet the following: Snow or Frost predicted within the next 72 hours, no rain predicted before freezing precipitation, the pavement is dry, the pavement temperature is 20°F or above, winds are less than 15 miles per hour, and the pavement has enough time to dry before temperatures fall below 20°F. See HMM 06-15-55 for other Anti-Icing guidance.
- 3) It is not recommended to apply dry or pre-wetted rock salt for anti-icing purposes as it is most likely the salt would be displaced off the roadway before any freezing precipitation occurs.



Highway Maintenance Manual
 Chapter 06 Winter Maintenance
 Section 20 Snow Removal Materials
 Subject 20 Application Rates Anti-Icing

Bureau of Highway Maintenance
 December 2025