


## 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

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