

First Priority Continuous Treatment Routes

Weather Event: **Moderate or Heavy Snow Storm**

PAVEMENT TEMPERATURE RANGE AND TREND	INITIAL OPERATION				SUBSEQUENT OPERATIONS			COMMENTS
	Pavement surface at time of initial operation	Maintenance action	Salt spread rates		Maintenance action	Salt spread rates		
			Pre-wetted solid salt (lb/l _n -mi)	Brine (gal/l _n -mi)		Pre-wetted solid salt (lb/l _n -mi)	Brine (gal/l _n -mi)	
Above 32°F steady or rising	Dry, wet, slush or light snow cover	None, see comments			None, see comments			1) Monitor pavement temperature closely for drops toward 32°F and below 2) Treat slick patches if needed with pre-wetted salt at 100 lb/lane-mi or with brine at 44 gal/l _n -mi; plow if needed
Above 32°F, 32°F or below is imminent; ALSO 30 to 32°F, remaining in range	Dry	Apply brine or pre-wetted solid salt	100	44	Plow accumulation and reapply brine or solid salt as needed	100	44	1) If the desired plowing/treatment frequency cannot be maintained, the spread rate can be increased to 200 lb/lane-mi to accommodate longer operational cycles 2) Do not apply brine onto heavy snow accumulation or packed snow
	Wet, slush, or light snow cover	Apply brine or pre-wetted solid salt	100	44				
20 to 30°F remaining in range	Dry	Apply brine or pre-wetted solid salt	150-200	65-87	Plow accumulation and reapply brine or solid salt as needed	200	87	1) If the desired plowing/treatment frequency cannot be maintained, the spread rate can be increased to 400 lb/lane-mi to accommodate longer operational cycles 2) Do not apply brine onto heavy snow accumulation or packed snow
	Wet, slush, or light snow cover	Apply brine or pre-wetted solid salt	150-200	65-87				
10 to 20°F, remaining in range	Dry, wet, slush, or light snow cover	Apply pre-wetted solid salt	200		Plow accumulation and reapply brine or solid salt as needed	250		1) If the desired plowing/treatment frequency cannot be maintained, the spread rate can be increased to 500 lb/lane-mi to accommodate longer operational cycles 2) Liquid calcium chloride may be used for pre-wetting salt at colder temperatures
Below 10°F, steady or falling	Dry or light snow cover	Plow as needed			Plow accumulation as needed	250		1) As pavement becomes slick apply salt/abrasive mix to enhance traction. Salt will have limited melting power in this temperature range.

Notes: SALT APPLICATIONS. (1) Time initial and subsequent salt applications to *prevent* deteriorating conditions or development of packed and bonded snow--**timing and frequency of subsequent applications will be determined primarily by plowing requirements.** (2) Apply salt ahead of traffic rush periods occurring during storm. **PLOWING.** *Plow before chemical applications* so that excess snow, slush, or ice is removed and pavement is wet, slushy, or lightly snow covered when treated.