July, 2004

First Priority Continuous Treatment Routes

Weather Event: **Light 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/ln-mi)	Brine (gal/ln-mi)		Pre-wetted solid salt (lb/ln-mi)	Brine (gal/ln-mi)	
Above 32ºF, steady or rising	Dry, wet, slush or light snow cover	None, see comments			None, see comments			1) Monitor pavement temperature closely for drops toward 32ºF and below 2) Treat icy patches if needed with pre-wetted solid salt at 100 lb/lane-mi; plow if needed
Above 32ºF, 32ºF or below is imminent; *ALSO* **15 to 32ºF,** remaining in range	Dry	Apply brine or pre-wetted solid salt	100	44	Plow as needed; reapply liquid or solid chemical when needed	100	44	1) Applications will need to be more frequent at lower temperatures and higher snowfall rates 2) It is not advisable to apply a straight brine at the indicated spread rate when the pavement temperature drops below 20ºF 3) Do not apply brine onto heavy snow accumulation or packed snow
	Wet, slush, or light snow cover	Apply liquid or solid salt	100	44				
0 to 15ºF, remaining in range	Dry, wet, slush, or light snow cover	Apply pre-wetted solid chemical	200		Plow as needed; reapply pre-wetted solid chemical when needed	200		1) Abrasives may be added to the salt to enhance traction at colder temperatures 2) Liquid calcium chloride may be used for pre-wetting solid salt at colder temperatures
Below 0ºF, steady or falling	Dry or light snow cover	Plow as needed			Plow and apply salt/abr. mix as needed			1 If pavement becomes slick apply salt/abrasive mix to enhance traction. Salt will have limited melting power in this temperature range. 2) Pre-wet salt/abrasive mix with liquid calcium chloride.

Notes: **SALT APPLICATIONS.** (1) Time initial and subsequent chemical applications to ***prevent*** deteriorating conditions or development of packed and bonded snow. (2) Apply salt ahead of traffic rush periods occurring during storm.
PLOWING. If needed, ***plow before salt applications*** so that excess snow, slush, or ice is removed and pavement is wet, slushy, or lightly snow covered when treated.