



Sharing the Road with the Environment

Partners:

Minnesota Department of Transportation and
Minnesota Pollution Control Agency

Your Destination...Our Priority



MnDOT Metro

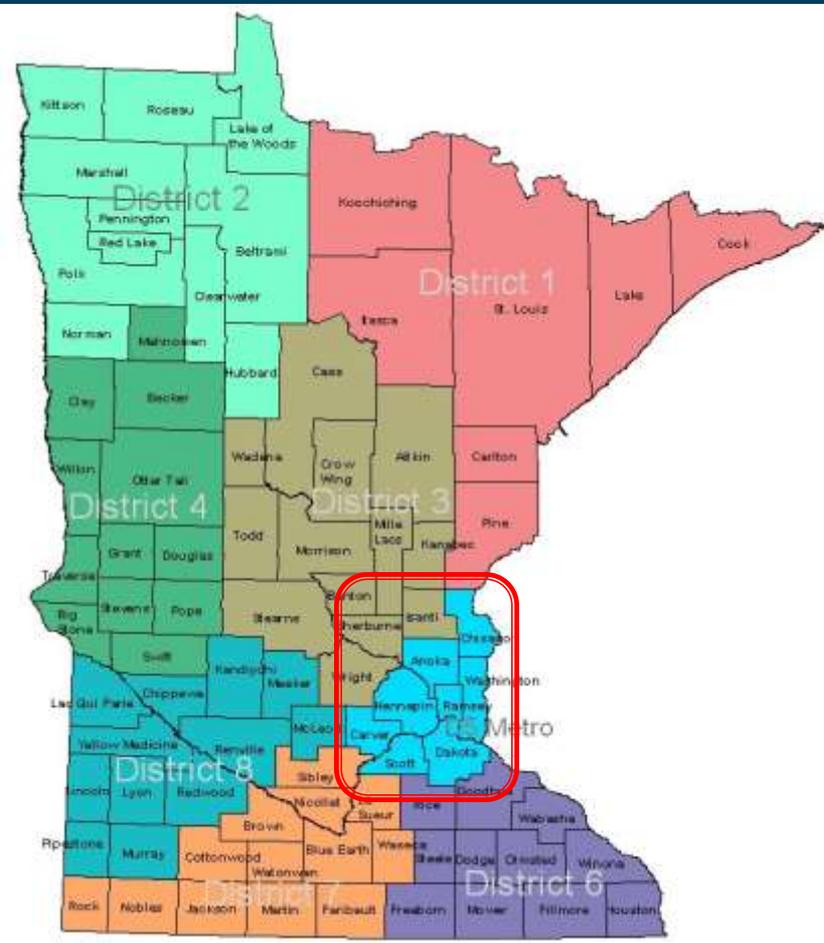
Mark Fischbach

Metro District

Clear Roadways Superintendent

Kathleen Schaefer

MN Circuit Training Instructor



Training :

MnDOT and Local Agency Snowplow Operators

- ▶ MN Local Technical Assistance Program (LTAP)
 - MN Local Road Research Board
 - Circuit Training and Assistance Program

- ▶ MnDOT Salt Solutions Program–1996
 - State–wide Coordinator
 - District Coordinators throughout the state



MnDOT and MPCA Partnership

- ▶ Education and Outreach Committee
 - Recognizing the need for :
 - Safety
 - Mobility
 - Sustainable practices that protect the environment

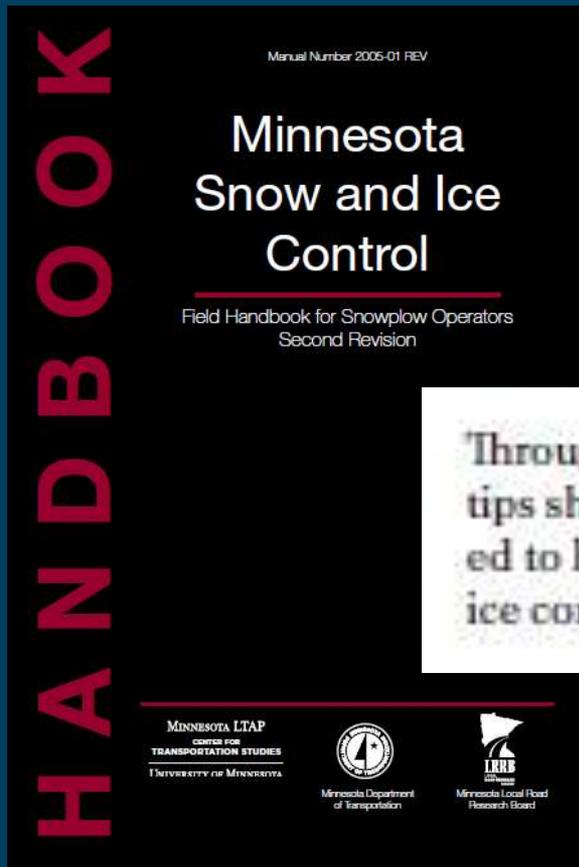


SPOT (Snowplow Operator Training)



LTAP and Salt Solutions Salt Training

▶ Balancing Safety, Mobility, and Environment



Throughout the field handbook you will find environmental tips shown with this fish symbol . These tips are provided to help you reduce environmental impacts from snow and ice control operations.



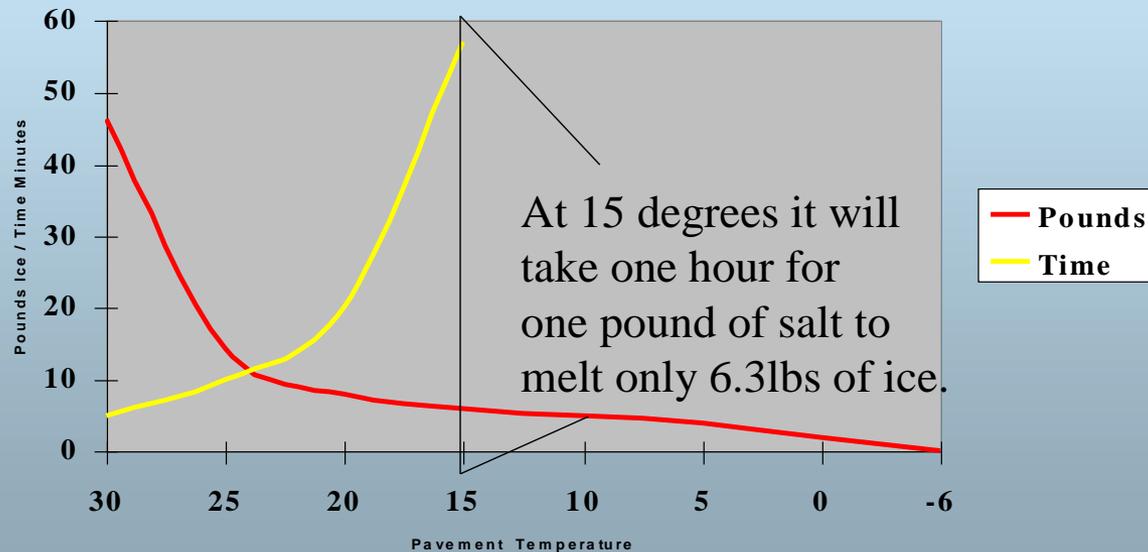
LTAP and Salt Solutions Training

- ▶ How salt works
- ▶ 3-R's
 - Right material
 - Right amount
 - Right time



Training-How salt works

Pounds of ice melted by one pound of salt and the time to melt that ice



Sander Calibration Training



December 18, 2009

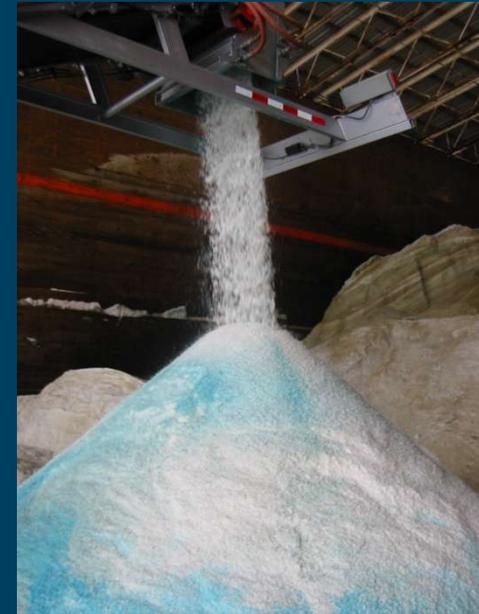
Local Government Snowplow Salt and Sander Controller

Calibration Guide



On-board Prewetting and Stockpile Treatment Training

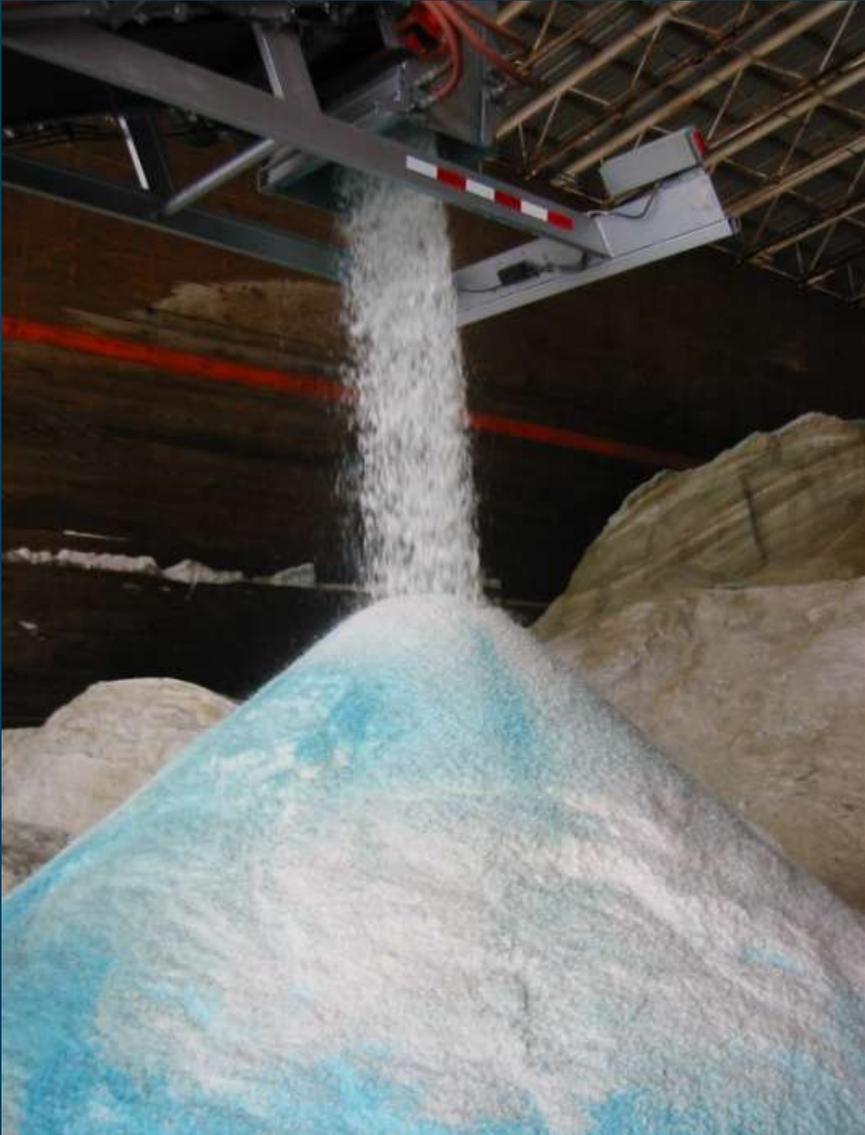
- ▶ Training
 - Why use wet salt (in solution)
 - Application rates for wet salt
 - Various materials



Super-saturated salt applications



Stockpile Treatment



Anti-icing Training

- Why, When, Where, How...



Mn/DOT Anti-Icing Guide

9/13/2010

Main Sections

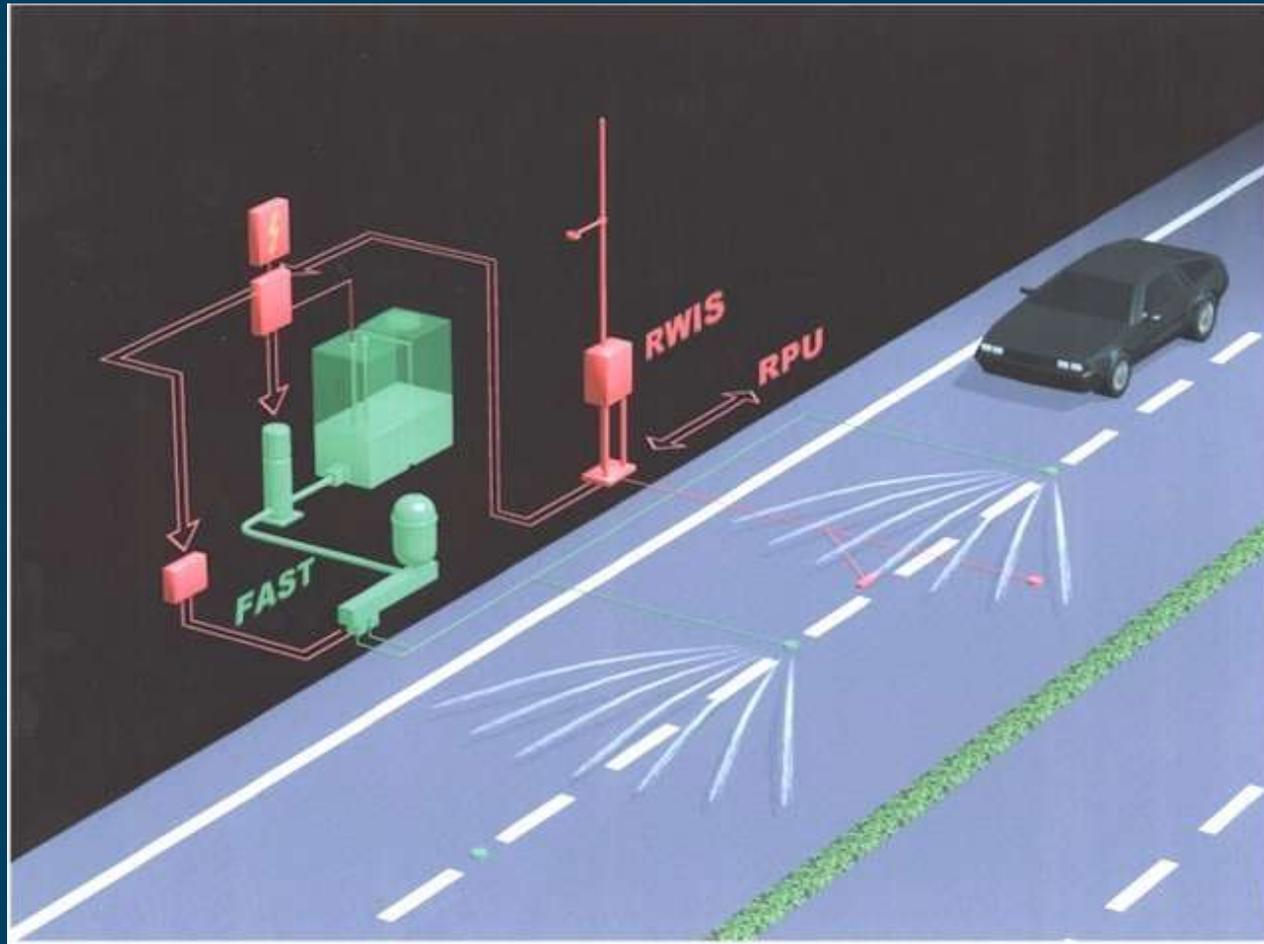
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Fixed Anti-icing Systems on bridges



Research Programs:

MN LTAP OPERA

Local Operational Research Assistance Program

New equipment from manufacturers

Home-spun inventions



MnDOT Research Programs: MOR/NTREC



Stewards of the Environment



Resources

- ▶ www.mnltap.umn.edu
- ▶ www.dot.state.mn.us/maint/training
- ▶ www.dot.state.mn.us/maint/research

