



Maintenance Research Bulletin

NTREC New Technology Research Equipment Committee

MOR Maintenance Operations Research

October 2008

Upcoming Events

Fall Expo

City of St. Cloud Public Works
October 1, 2, 2007

Supervisors Meeting
St. Cloud Civic Center
October 7, 8, 2007

SPOT

(Snow Plow Operator Training)
October 20-31, 2008

For more information contact:
Rick Shomion 651/366-3576

NTREC Meeting

Arden Hills Training Center
October 30, 2007

For more information contact:
Farideh Amiri 651/366-3545

CTAP

(Circuit Training and Assistance Program)

Kathy Schaefer 651/366-3575

Maintenance Research Website

[http://www.dot.state.mn.us/
maint/research.html](http://www.dot.state.mn.us/maint/research.html)

Questions or comments?

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Modified Augers

One of Mn/DOT's methods to reduce the amount of chemical used on the roads for snow and ice control has been to reduce the application rates. It has been found, with our present augers and control system, that it does not have the mechanical ability to accurately dispense the desired lower application rate. These new augers will allow the operator the ability to apply anywhere between 34 lbs. per lane mile and 820 lbs. per lane mile, yet still avoid bridging of the material. This will allow us to reduce our salt usage and maintain our roads during snow and ice events at a much lower cost per lane mile. It also puts less of a demand on our equipment and reduces the wear and tear on our sanders, motors, and controllers by allowing them to operate in a smooth and continuous manner. This is in contrast to the current method of starting and stopping, causing large amounts of material in some areas and none in others. These augers will be evaluated by districts 1, 2, 3A, 6 and 8.

For more information contact:

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