



# Maintenance Research Bulletin

NTREC New Technology Research Equipment Committee

MOR Maintenance Operations Research

October 2009

## Upcoming Events

### SPOT

(Snow Plow Operator Training)

Second Session

October 19-30, 2009

Little Fall, Mn

For more information contact:

Rick Shomion 651/366-3576

### Toward Zero

Deaths Conference

October 28-29, 2009

Duluth Entertainment Center

Duluth, Mn

### NTREC Meeting

Waters Edge, Roseville

October 29, 2009

For more information contact:

Farideh Amiri 651/366-3545

---

Questions regarding alternative  
chemicals or application methods

Contact Joe Huneke

651/366-3586

Winter Maintenance Coordinator

---

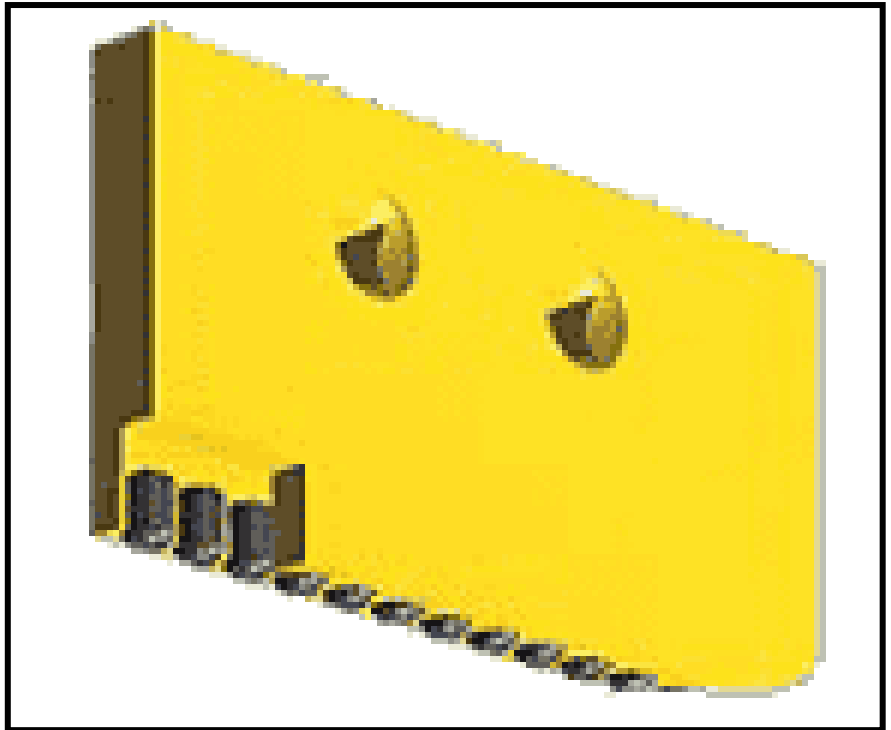
Maintenance Research Website

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

---

*Questions or comments?*

*Maintenance Research Engineer  
651/366-3545*



## I.C.E. Blades

These new Isolated Carbide Edge (I.C.E.) blades feature individual bullet-shaped solid carbide tips in the blade edge for maximum fracture resistance in tough, high-impact road conditions. These bullet-shaped inserts will cut grooves in the hard packed snow which will help hold winter materials in place during snow and ice operations. District 2 will evaluate these new blades for their effectiveness on roads covered with hard packed snow and their durability compared to our current carbide cutting edges. They will also keep track of material usage on the routes these blades are used and evaluate material usage.

For more information contact

Ronny Thramer 218-463-2821

Transportation Generalist: Roseau

[www.pqsupplies.com](http://www.pqsupplies.com)