



# Maintenance Research Bulletin

NTREC New Technology Research Equipment Committee  
MOR Maintenance Operations Research

April 2009

## Upcoming Events

**National Work Zone  
Awareness Week  
April 6-10, 2009**

**Spring Maintenance and  
Training Expo  
April 14-15, 2009  
St. Cloud Civic Center**

**Winter Wrap up Meeting  
April 21, 2009  
Arden Hills Training Center  
Contact Joe Huneke 651/366-3586  
for more information**

**NTREC Meeting  
April 22, 2009  
Arden Hills Training Center  
Contact Farideh Amiri  
651/366-3545 for more information**

**20th Annual CTS Transportation  
Research Conference  
May 19-20, 2009  
Sheraton Hotel, Bloomington Mn.**

**Looking for past Research Bulletin  
check the Maintenance  
Research website  
[http://www.dot.state.mn.us/maint/  
research.html](http://www.dot.state.mn.us/maint/research.html)**

**Questions? Comments?  
Maintenance Research Engineer  
651/366-3545**



## Anti-Corrosion

The Counter act Electrostatic Corrosion Control system uses high voltage/low current to prevent corrosion. This system comes with a power supply, 2 capacitive coupler pads and a wiring harness. So how does it work? Corrosion is nothing more than a chemical reaction. By exciting the truck body with high voltage (very low amperage) corrosion's electro-chemical progress can be diminished. The system creates a negative charge which does not allow the corrosion process to start or dust particles like salt or other corrosive materials to stick to your vehicle. This system has been used in agriculture, salt mining and other extreme environmental conditions with great success. District 1 is testing it on a brand new and an older tandem truck. They will evaluate the new truck for corrosion issues on the door panels, truck body, brake chambers, etc. and the older truck to see if corrosion stops or slows down. This is an ongoing test and will take time to determine the success within MN/DOT.

**For more information contact  
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[www.counteractrust.com](http://www.counteractrust.com)**