



# Maintenance Research Bulletin

NTREC New Technology Research Equipment Committee  
MOR Maintenance Operations Research

June 2009

## Upcoming Events

**Mechanic Workshop**  
St. Cloud Training Center  
August 3-7, 2009

### SPOT

**Train the Trainer September 15-18, 2009**  
**Session 1 September 21-25 & 28-02, 2009**  
**Session 2 October 19-23 & 26-30, 2009**  
Camp Ripley, MN

**Fall Maintenance Expo**  
St. Cloud Public Works  
October 7-8, 2009

**Toward Zero Deaths Conference**  
Duluth Entertainment Convention Center  
Duluth, MN  
October 28-29, 2009



**Congratulations and good luck to Linda Taylor. Linda is the new Director of Research Services in the Office of Policy Analysis, Research and Innovation**

*Questions or comments?*  
*Maintenance Research Engineer*  
*651/366-3545*



## Propane Hammer

The Propane Hammer is a propane powered post driver that enables the user to drive up to 200 posts on a single 14-oz tank. It weighs less than 45 lbs which is 20-30 lbs lighter than the currently used pneumatic hammers. District 4 will use it for installing culvert markers, guardrail posts and sign posts. They will compare the Propane Hammer to the currently used pneumatic hammers. They will evaluate the hammer for time savings due to less set up time because compressors and hoses are not needed. They will also evaluate the driving ability of the Propane Hammer.

**For more information contact:**  
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**District 4, Morris Truck Station**  
[www.propanehammer.com](http://www.propanehammer.com)