



Maintenance Research Bulletin: August 2013

**NTREC New Technology Research Equipment Committee
MOR Maintenance Operations Research**



Highline Mower

The Highline Radial Contouring Hitch (RCH) is a 15' batwing mower with a pivoting contouring hitch and walking caster wheels used to maintain grass along roadsides. RCH technology allows the operator to have control over the mower hydraulically from the tractor seat. When using the Highline Mower, the tractor stays on the flat road surface while the mower is shifted to mow down the in-slope of the road. Where the shoulder is narrow, the tractor can go to the bottom of a flat ditch and shift the mower to mow up the slope of the ditch. Working on flat ground rather than at steep grades, puts less stress on the body which greatly reduces operator fatigue. This technology also creates a safer operation by reducing the hazard of rolling over. District 6 staff will evaluate this unit for its ability to safely expedite mowing operations in areas where small mowers are currently used and to see a reduction in equipment repair costs associated with hidden hazards in the grass.

**For more information contact:
Cam Ihrke 507/446-5508
TOS 1 District 6**

Upcoming Events

Supervisors Conference
Chase on the Lake
Walker, MN
September 9-11, 2013

Road Weather Technology
Fall Meeting
St. Cloud Training Center
September 25, 2013

For More information contact:
Joe Huneke @ 651/900-5300
Jon Bjorkquist @ 218/821-1505
Jakim Koll @ 320/241-3631

Fall Maintenance Expo
St. Cloud Public Works
October 2-3, 2013

Toward Zero Deaths
Conference
St. Cloud
November 14-15, 2013

Labor Day
September 2



Take time to relax!

Maintenance Research Website
<http://www.dot.state.mn.us/maint/research.html>

Comments? Questions?
Maintenance Research Program
Administrator
651/366-3585
Ryan Otte

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