



# Maintenance Research Bulletin: July 2015

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



## Pro Ring

Pro Rings are a grade adjustment ring made of a high strength expanded polypropylene. This durable, lightweight plastic is ideal for replacement of traditional construction methods. The traditional method of adjusting the elevation of a manhole casting by the use of concrete adjusting rings has historically been prone to many problems. Concrete rings crack and deteriorate, along with the mortar used to install them. The casting subsequently settles, causing the road surface to become unlevelled. District 1 Maintenance crews will evaluate these rings for their ability to reduce or eliminate the need to replace/repair deteriorated concrete adjusting rings every few years.

**For more information contact:  
Mike Hedlund 218/834-4442  
District 1 Shore Sub-Area**

## Upcoming Events

**NTREC  
Funding Meeting  
St. Cloud Training Center  
August 19, 2015  
Please submit your  
proposal by August 6**

**Fall Expo  
St. Cloud  
Public Works  
October 7-8, 2015**

**Toward Zero Deaths  
Annual Conference  
St. Cloud  
October 29-30, 2015**

**APWA-MN Fall Conference  
Brooklyn Center  
November 19-20, 2015**

**Maintenance Operations  
Research website,  
<http://www.dot.state.mn.us/maintenance/research.html>**

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

We all have a stake in **A  B**

