**Maintenance Research Bulletin: July 2015**

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

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**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 unlevel.

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

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**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?**
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Ryan Otte