



Maintenance Research Bulletin: February 2015

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



Winter Patching with EXP-202

During the winter months, asphalt and concrete pavements are subjected to moisture penetration during repetitive freeze-thaw cycles. When these more brittle, colder pavements are exposed to traffic loads the moisture trapped in the pavement base can lead to the formation of potholes. The ability to place permanent patches during the winter has been limited due to the type of materials available. The more workable, smaller aggregate asphalt mixture currently used has a tendency to fail prematurely because moisture and warmer temperatures cause the material to push out of the hole. District 7 maintenance staff has been successfully using EXP-202 to fill both large and small holes. This material consists of a mastic polymer and larger aggregate that has proven to lengthen the life of the patch. Derived from NUVO, which is a hot pour crack and concrete joint sealant, EXP-202 has proven to hold up in areas where traditional patching methods have failed.

**For more information contact:
Mark Larson 507/375-8127
District 7 Windom**

Upcoming Events

**Minnesota Transportation
Conference
Bloomington
March 3-5, 2015**

**Northland Chapter
ATSSA
"How To"
Ramada Inn, Fargo ND
March 17-18, 2015**

**NTREC
Update Meeting
St. Cloud Training Center
April 22, 2015**

**Minnesota Roadway
Training and Demo Day
Dakota County Technical
College
May 13, 2015**

**Road Weather Technology
Spring Meeting
St. Cloud Training Center
May 14, 2015**

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

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

