Midwestern Pavement Preservation Partnership
Glenn M Engstrom, MnDOT
The Depot in 1941
Mississippi River
Near Red Wing
Drive “Up North”
The Lake
The Lake
The North Shore
Gooseberry Falls
Split Rock Light House
Snow removal cost MnDOT $130M in FY 2014
Pavement Condition
REMAINING SERVICE LIFE (RSL)

- RSL is the time, in years, until the deterioration of a pavement reaches a defined level of service where something should be done.

- For MnDOT, RSL = 0 when the Ride Quality Index (RQI) reaches 2.5, the point where most people feel the road is uncomfortable and something should be done.

- By comparison, a Poor road is defined as one with a Ride Quality Index (RQI) of 2.0 or less.

- We have many more miles with a RSL = 0 (1,980 miles) than are in the Poor category (674 miles).
Average Remaining Service Life – vs – Percent Poor

Average Remaining Service Life (ARSL) vs Percent Poor

- Average Remaining Service Life (ARSL): 13.7, 14.1, 11.3, 10.6, 10.9, 10.9, 11.4, 8.3, 8.6, 7.6, 9.0, 8.6, 9.1, 9.4
- Percent Poor: 2.0%, 1.9%, 2.3%, 3.3%, 3.7%, 3.7%, 3.7%, 4.4%, 4.6%, 6.8%, 5.1%, 6.5%, 5.1%, 5.4%, 4.7%

Percent of Roadway Miles in Poor Condition (RQI <= 2.0)
Remaining Service Life Distribution
(2000 data, all state highways)

Average Remaining Service Life = 13.7 years

HEALTHY SYSTEM MNDOT 2000
CURRENT SYSTEM 2013

Remaining Service Life Distribution
(2013 data, all state highways)

Average Remaining Service Life = 9.4 years
What we've got here is, failure to communicate
Stone Arch Bridge
Mill City Museum
New Vikings Stadium
Thank you!