



## Pavement Management Program Summary

The City of Lino Lakes implements a Pavement Management Program for roadway maintenance and reconstruction. The Pavement Management Program includes inspecting and rating pavement conditions, analyzing various maintenance and rehabilitation strategies, budgeting and constructing the necessary projects.

There are a 97 miles of bituminous roadways in the City of Lino Lakes. The City's Pavement Management evaluation includes rating 25% of City's millage annually. The information is used to enter into Pavement Management Software to develop a Pavement Condition Index (PCI). The PCI is used to categorize maintenance needs. This information is combined with input from public works and the community to generate the City's 5-year Capital Improvement Plan.

PCI is based on a 0 to 100 scale, with 100 being a road in perfect condition. The 2018 weighted average PCI for bituminous roads within Lino Lakes was 71.42. The roadway conditions are broken into three separate categories: Adequate, Marginal, and Problem. Adequate roadways require preventive maintenance, Marginal roadways require roadway preservation typically mill and overlay, and Problem roadways require reconstruction. The 2018 percentages of bituminous roadways in these categories are as follows:

- Adequate (PCI of 70.01-100) – 63.9%
- Marginal (PCI of 40.01-70.00) – 22.2%
- Problem (PCI of 0.00 – 40.00) – 13.9%

Since 2005 the City has performed the following improvements:

### **Preventative Maintenance**

62 miles      Chip Seal /Crack Fill /Reclamite

### **Pavement Structure Improvements**

5 miles      Reconstruction (drainage improvements)  
14 miles      Full Depth Reclamation (recycle in place, full pavement section replacement)  
11 miles      Mill and Overlay  
**30 miles**      **Total Improved Roadways**

**The City's annual Pavement Management Budget includes:**

- Preservation (Mill and Overlay / Chip Seal /Crack Fill /Reclamite) = \$630,000 current annual budget increases 5% to 10% per year, pending budget constraints.
- Reconstruction = approximately \$800,000 annual debt service for completed reconstruction projects. Past reconstruction projects include the Shenandoah neighborhood in 2015, and the LaMotte and West Shadow Lake (north of Birch) neighborhoods in 2018/2019.

In addition, the Pavement Management fund is supplemented by Municipal State Aid (MSA) Funds. The MSA program funds are the apportionment of gas tax dollars provided to the City. The City receives approximately \$750,000 annually for construction of eligible projects. These projects include both reconstruction and new construction for streets on the MSA system. 20% of the City street mileage is on the MSA System. Past examples of city projects that used State Aid funds include the 62<sup>nd</sup> Street and Holly Drive reconstruction projects and the Ware Road overlay. These funds are also used for the city share of county and state improvement projects, such as the I-35W & Lake Drive Interchange, Main Street Reconstruction and upcoming Birch Street Improvements.