

PAVEMENT MANAGEMENT PROGRAM

There are approximately 17 miles of Municipal State Aid (MSA) streets and 76 miles of residential streets in Champlin today. To assist City staff in the maintenance of the streets and to appropriately utilize street maintenance funds, the City of Champlin initiated a Pavement Management Program in 1993 to prioritize maintenance of the City's streets. City streets are rated using a Pavement Management Program that evaluates the condition of the streets utilizing pavement deterioration indicators. The pavement rating (Pavement Condition Index, PCI) is based on the severity of the damage to the street utilizing these indicators:

Longitudinal Cracking	Block Cracking	Polished Aggregate
Transverse Cracking	Patches	Skin Patches
Alligator Cracking	Rutting	Potholes
Depression	Flushing	Shoving
Frost Heave		

Approximately one-third of the City streets are surveyed each year for pavement deterioration indicators, along with other concerns, such as cracked or broken curb and drainage problems. The streets current rating is then reviewed against previous ratings to determine the rate of deterioration and it is reviewed against the existing pavement section to determine the best rehabilitative measure as well as its priority.

The streets' Pavement Condition Index is from 100 (excellent condition) to 0 (completely failed). The rating system ranks the streets which are then divided into three categories:

- Adequate Condition (rating between 71 and 100)
- Problem Condition (rating between 35 and 70)
- Failed Condition (rating below 35)

The three street categories have the following recommended maintenance practices:

STREET CONDITION	PROCESS
Adequate Street	Crack Sealing Seal Coating
Problem Street	Mill and Overlay or Full Depth Reclamation
Failed Street	Total Street Reconstruction

Rehabilitative maintenance and street reconstruction projects are allocated or paid through the following funding sources:

- Special Assessments
- Private Development
- Municipal State Aid Funds
- Capital Improvement Fund

The City's Pavement Management Program is an excellent tool to maximize the use of these funds for street reconstruction, full depth reclamation, bituminous mill and overlay, seal coating and crack sealing.