

By Design

TALKING POINTS

PAVEMENT MANAGEMENT



Why Now?

- Decline in housing market and private development has resulted in the lowest contractor bid prices in years.
- Bolton & Menk, Inc. can combine your project with others in the area, creating lower contractor bid prices and administrative costs, due to economy of scale.
- A certified engineer will design and oversee the construction of your project, resulting in proper materials and testing procedures to assure you of maximum quality.
- Bolton & Menk can simplify this necessary process by serving as a single source, from start to finish, providing the following services:
 - pavement evaluation
 - site survey
 - presentation to staff or school board
 - design plans and specs
 - permitting
 - advertise project and open bids
 - construction administration (agreements, materials testing, quantity tracking, payment applications, on-site inspection, quality control, project-close out, etc.)
- Other site specific issues can be addressed at the same time to reduce restoration costs (curb repair, striping, drainage issues, utility repairs/replacements, etc.)

What?

- Systematic and objective pavement evaluation.
- Determination of Age and Pavement Condition Index (PCI). (See graphic right)
- Age and PCI correlation can be utilized to predict pavement deterioration and effects of maintenance over time.
- Can evaluate an entire system or only one parking lot/driving area that is a nuisance.

Why?

Numerous studies indicate that if a pavement is properly maintained in "good" condition, the total annual maintenance investment is less than if the pavement is allowed to cycle to "poor" condition prior to rehabilitation.

- Good pavement costs less to maintain.
- Failure of pavements is not linear. The worse they get, the faster they fail.
- Extend useful life of pavements in most economical manner.
- Maintain functionality and serviceability of transportation and parking facilities.

How?

Utilize inventory and PCI information to predict timing for maintenance needs.

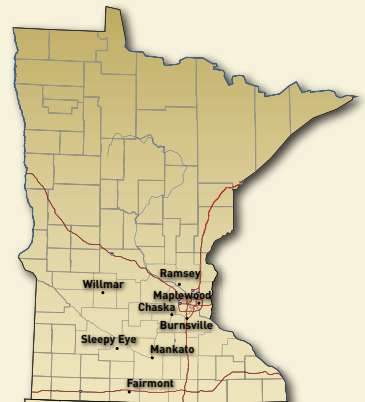
- Minor maintenance: seal coat (generally extends pavement life by 3.5 years)
- Special maintenance: overlay (generally extends life 10-15 years)
- Major maintenance: reconstruction

A combined maintenance program can extend a pavement life cycle from 20 - 30 years to 40 - 60 years prior to reconstruction.

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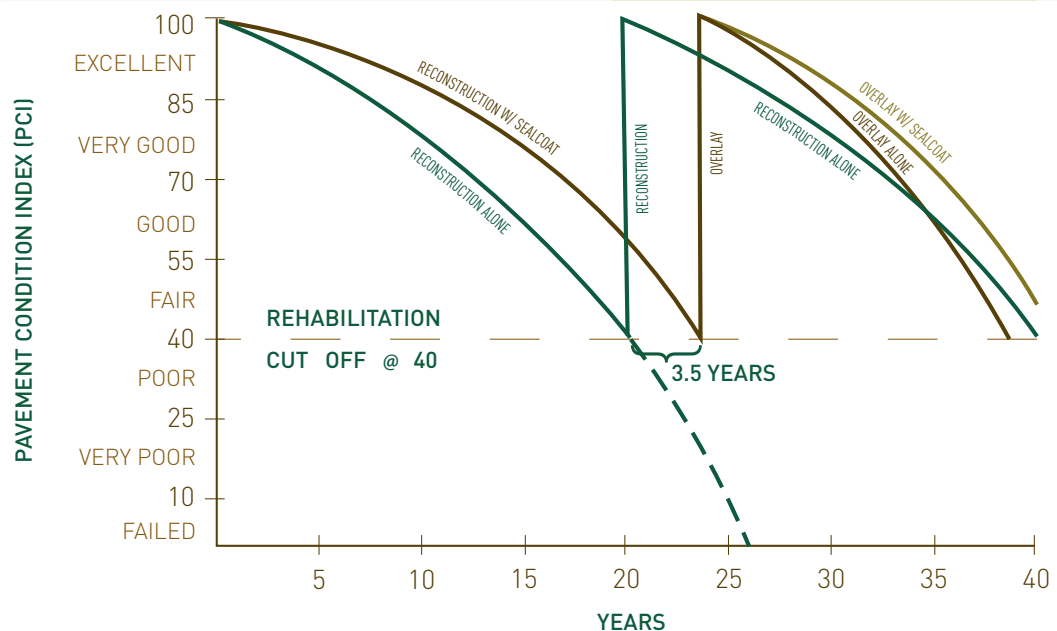
About Bolton & Menk, Inc.

Bolton & Menk has 8 Minnesota offices with 4 located in the metro area.



With More than 60 years of engineering experience, and multiple office locations, we are well positioned to meet your pavement management or rehabilitation needs.

For more information visit our website
www.bolton-menk.com



* Source: Derived from AASHTO Guide for Design of Pavement Structures

TALKING POINT:

Pavement Management

How to Maximize the life of your pavements in today's economy.

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DESIGNING FOR A BETTER TOMORROW