

Town of Canton, CT Pavement Management Program



The cost estimate and funding scenarios provided in the presentation are preliminary and subject to change. This information is being provided for information only at this time. Final cost estimates and budget scenarios will be provided when the project is completed.

May 9, 2013

Presentation Overview

- Pavement Management Concepts
- Pavement Management in Canton
 - a. Methodology
 - b. Current Conditions and Backlog
- Proposal

Pavement Management Concepts

What is Pavement Management?

- The practice of planning for pavement maintenance and rehabilitation with the goal of maximizing the value and life of a pavement network.

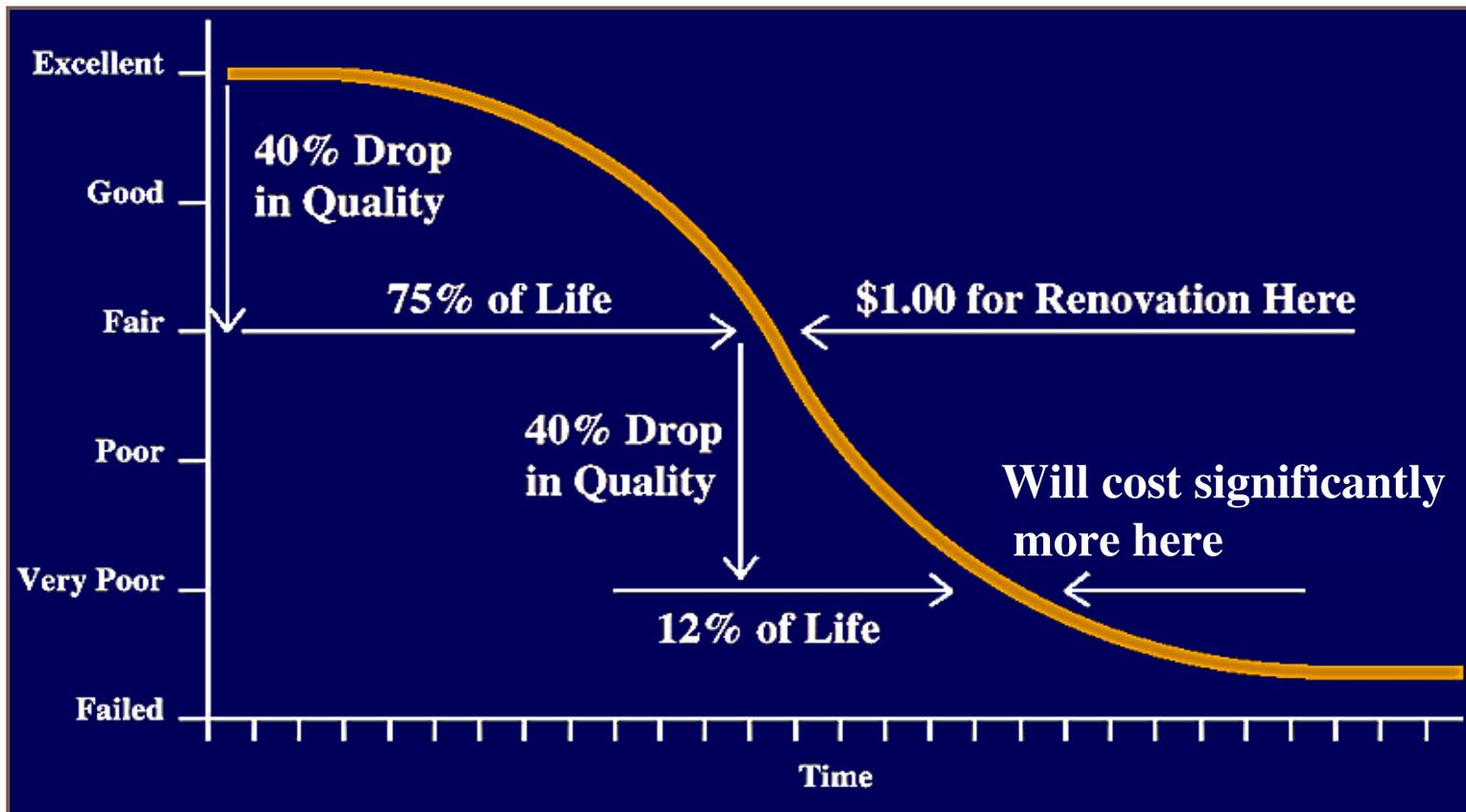
Pavement Management Concepts

The Process

- Pavement Section Inventory
- Pavement distress identification and quantification (Visual Inspection Only)
- General Drainage Deficiency Assessment
- Pavement Condition Index (PCI) calculations on a 0-100 scale
- Define Treatment Options and Costs
- Develop list of candidate projects
- Apply engineering and local judgment to define annual road program

Pavement Management Concepts

Pavement Deterioration Curve



Pavement Management Concepts

No Immediate Maintenance (PCI 93-100)

PCI = 99



Pavement Management Concepts

Routine Maintenance Condition (PCI 86-92)

PCI = 86



Treatment options – Crack sealing, patching

Pavement Management Concepts

Preventive Maintenance Condition (PCI 73-85)

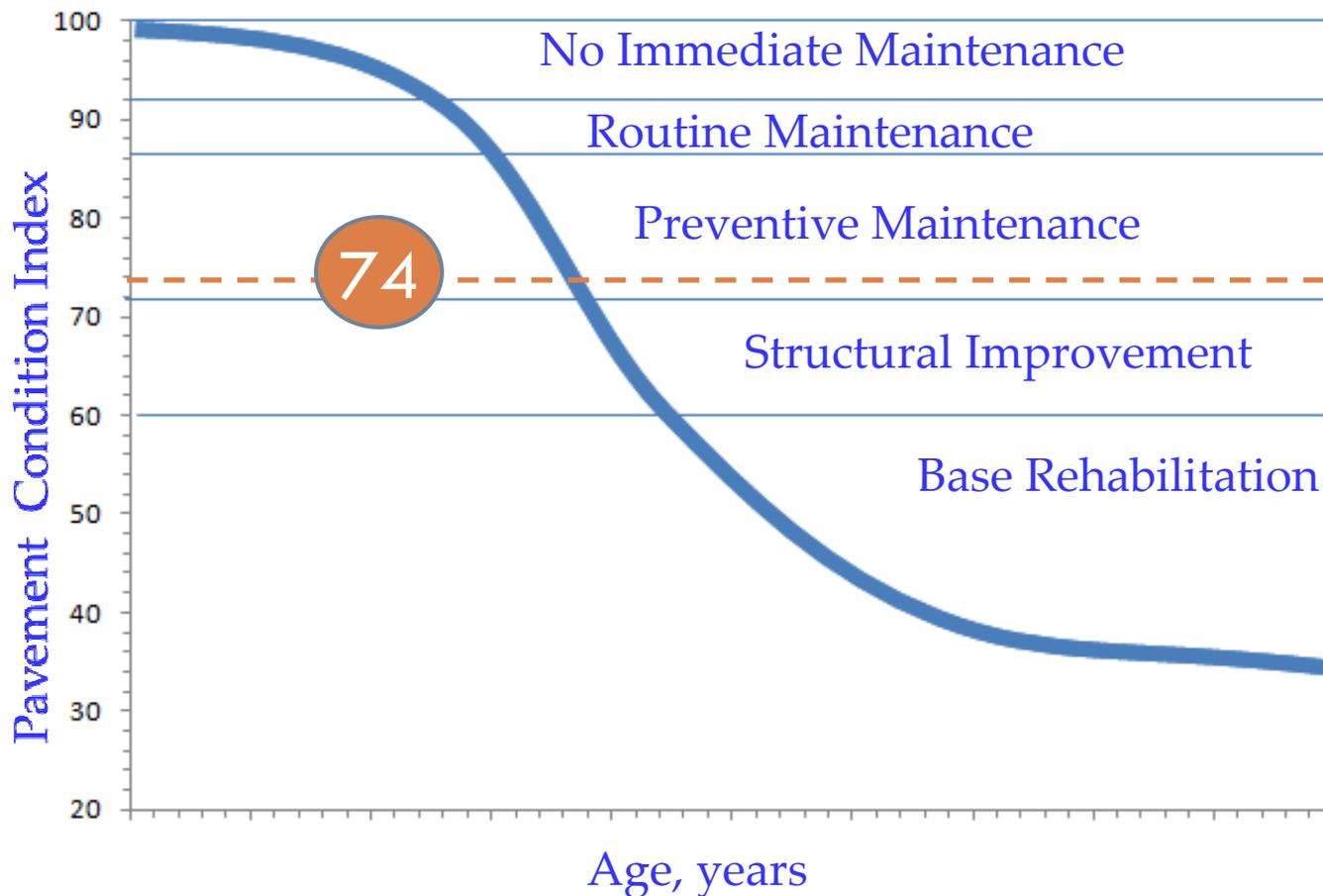
PCI = 73



Treatment options – Crack sealing, chip seal, thin overlay

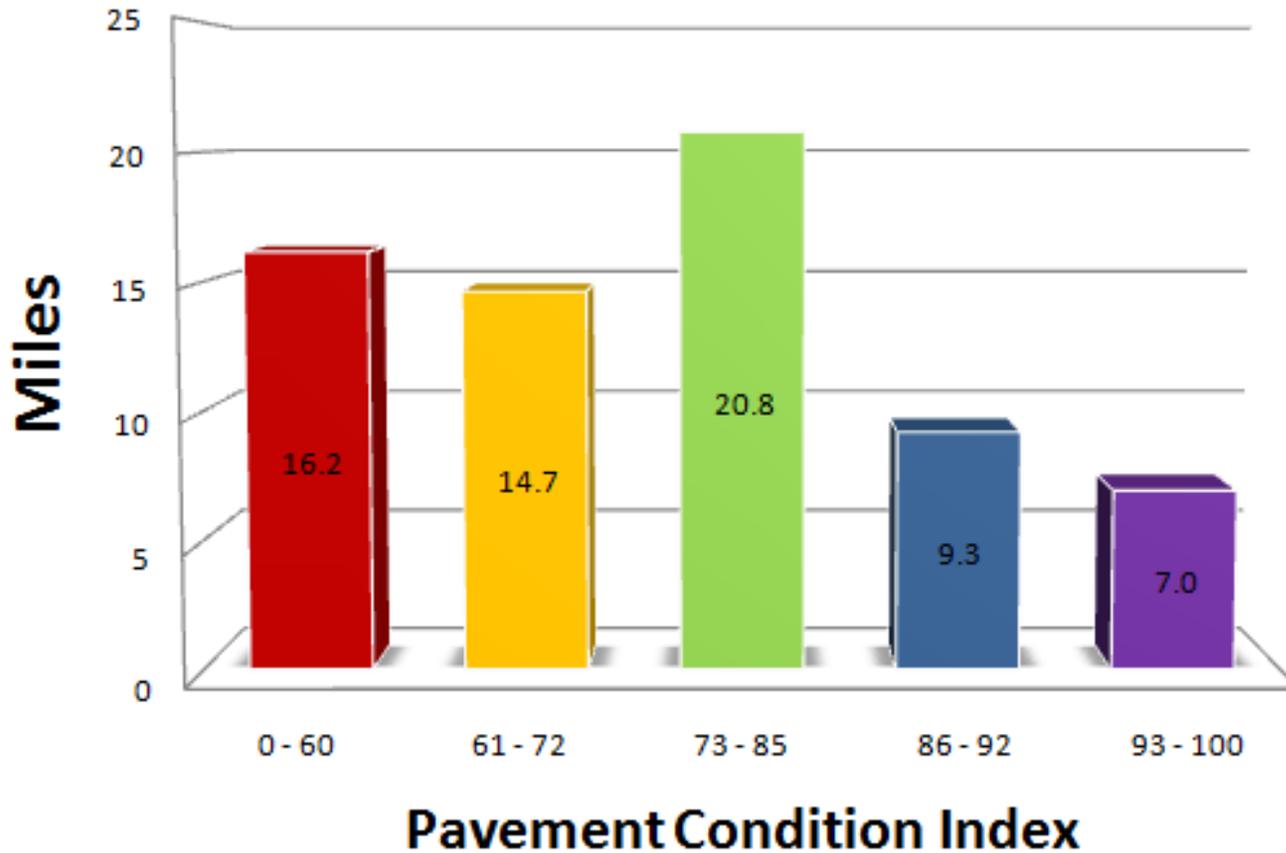
Pavement Management in Canton

Average Roadway Pavement Condition Index = 74



Pavement Management in Canton

Road Condition



Pavement Management Concepts

Current Roadway Pavement Backlog (estimate cost in 2011)

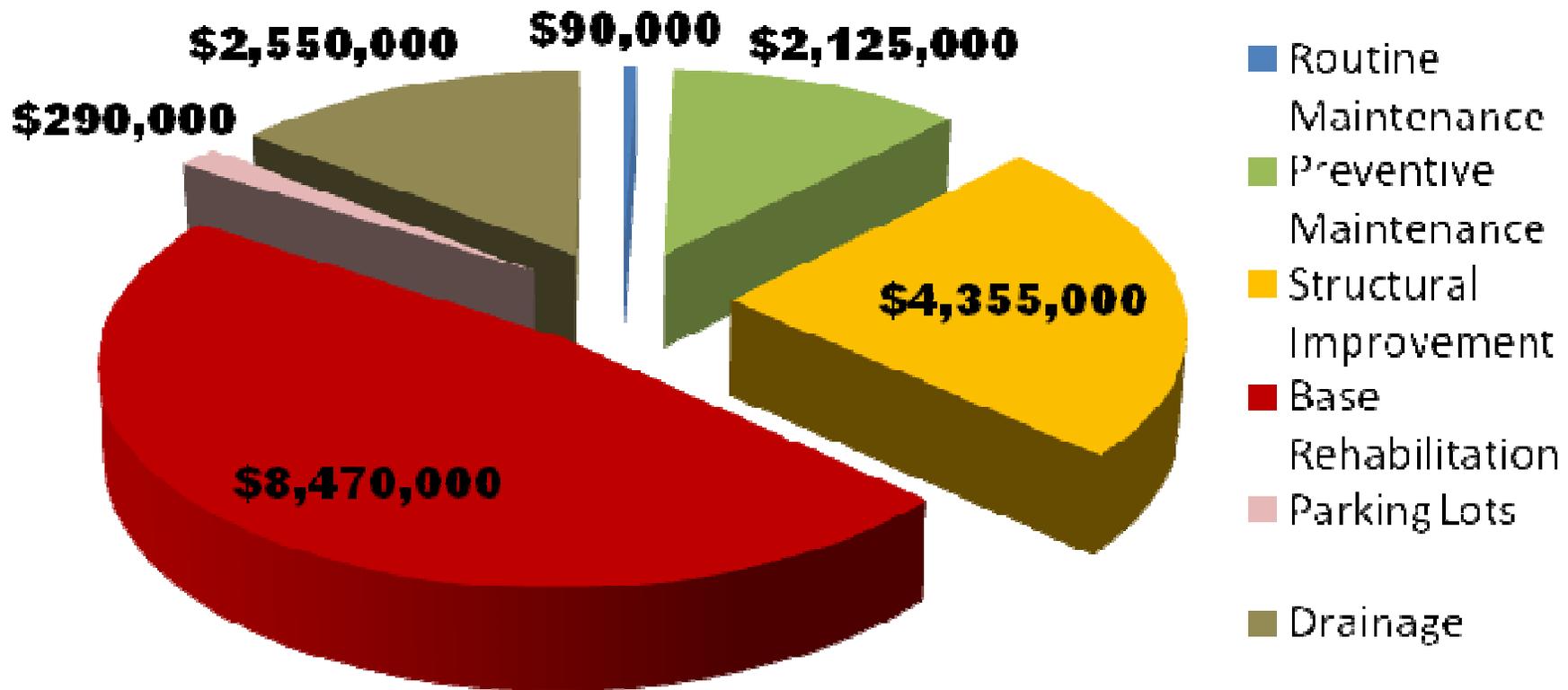
Pavement Treatment Band	Miles	Cost
No Immediate Maintenance	7.0	\$0
Routine Maintenance	9.3	\$90,000
Preventative Maintenance	20.8	\$2,125,000
*Structural Improvement	14.7	\$4,355,000
*Base Rehabilitation	16.2	\$8,470,000
Drainage and parking lots	-----	\$2,840,000
**Total	67.9	\$17,880,000

* Primary focus of proposed program

** Not including 1.63 mile of town maintained gravel roadways

Pavement Management in Canton

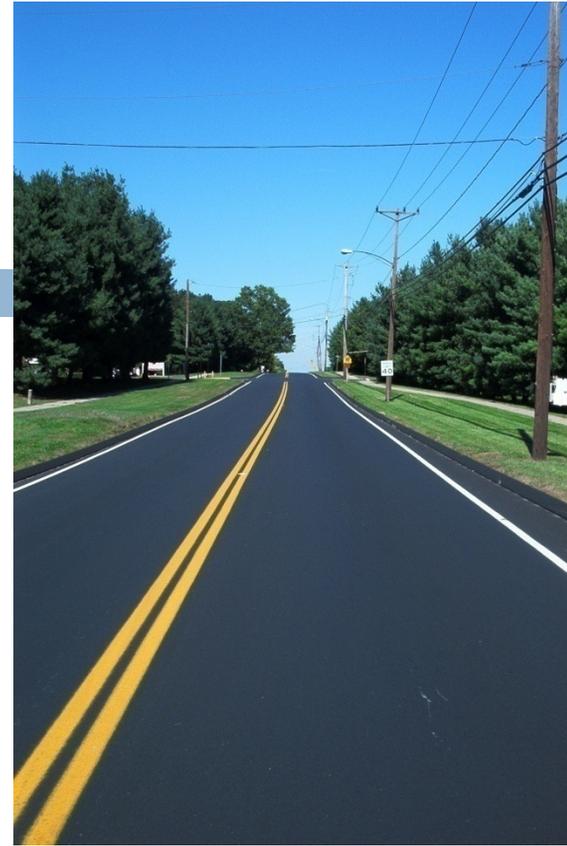
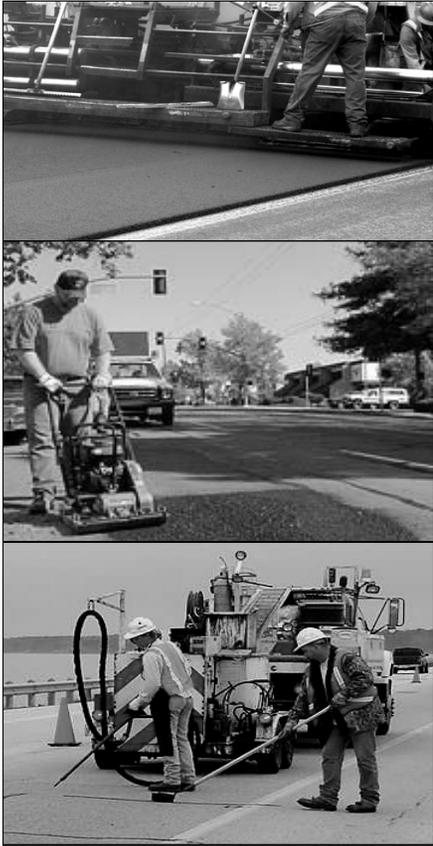
Total Backlog Summary = \$17,880,000



Pavement Management

Pavement Management Major Capitol Projects

Andrew Drive	West Simsbury Rd. to High Valley Road	\$623,000
Case Street	Cherry Brook Road to Ridge Road	865,000
Gracey Road	Sexton Hollow Rd. to Dry Bridge Road	986,000
East Hill Road	North Mountain Road to Dowd Ave.	960,000
Powder Mill Road	Town Bridge Road to 1581' north	750,000
Subtotal		\$4,184,000
General Roadway Improvements		<u>\$1,816,000</u>
Total		\$6,000,000



Questions and Answers