

Presentation Overview

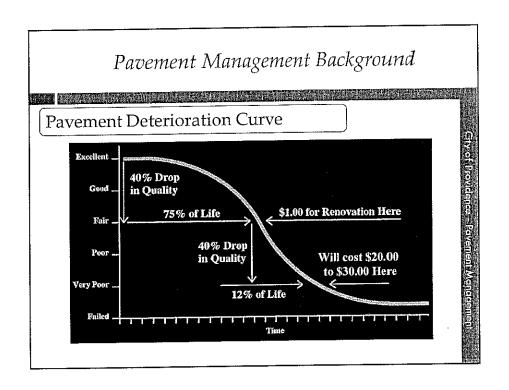
- > Pavement Management Background
- > Process
- > Current Conditions
- > Budget Analysis
- > Project Selection
- » Next Steps

Pavement Management Background

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.

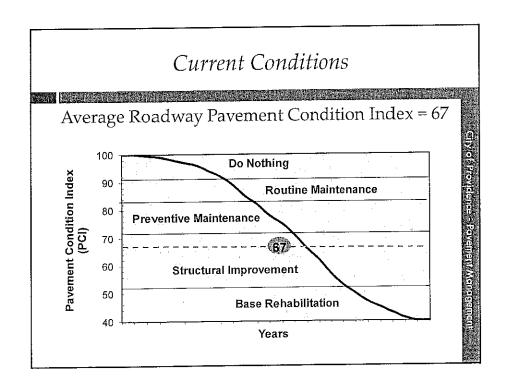
Otherwise known as "Getting the Biggest Bang for Your Buck"

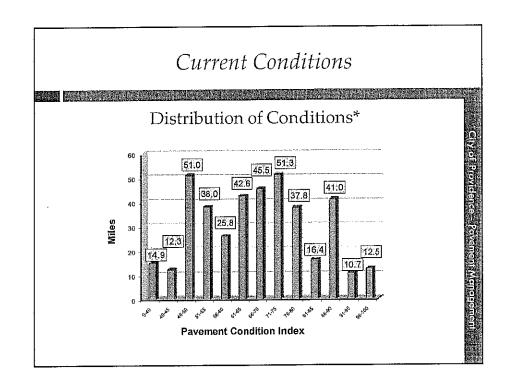


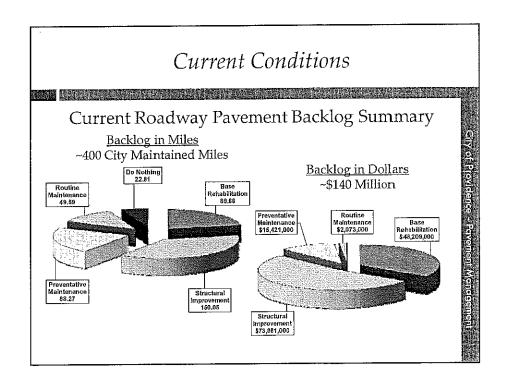
Pavement Management Process

The Process

- Develop Pavement Management Database
- Pavement distress identification and quantification (Visual Inspection Only)
 - Performed in 1997, 2006, 2012 (partial)
- Refine Pavement Deterioration Curves
- ❖ Pavement Condition Index (PCI) calculation 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



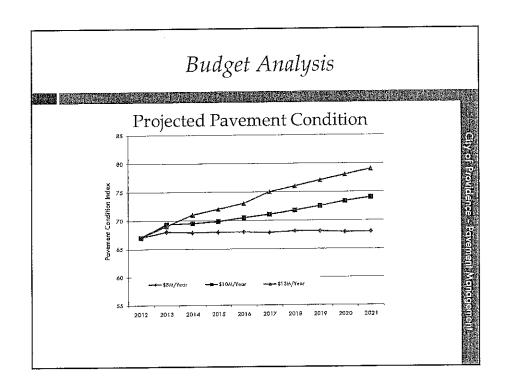


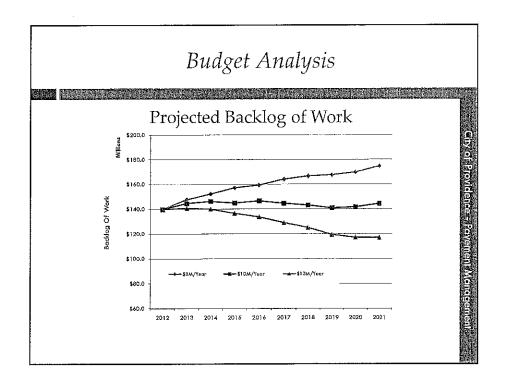


Budget Analysis

Budget Analysis

- \$8 Million per year- Maintains PCI
- \$10 Million per year-Will increase Average PCI to 74 in 10 years
- \$13 Million per year-Will increase Average PCI to 75 in 5 years.





Project Selection

- System uses Cost/Benefit Calculation to Prioritize Projects
 - Factors Increasing Benefit
 - Traffic Volume
 - Lower Cost
 - Worse Condition (Lower PCI)
 - * How Long the Repair Type is expected to last
- ⋄ Key Concepts
 - Repair roads before they fall into a more expensive "treatment band"
 - * Fix the Roads used by the most people.

Next Steps

- Determine Funding Level
- * Utilize GIS to Coordinate Projects Geographically
 - * Reduce Mobilization cost for contractors
 - * "Neighborhood" Planning
- * Coordinate with Utility Companies
- Perform Project Level Evaluations and Testing to determine actual repair for each candidate street.

