Street Program Funding

20 Year Capital Improvement Plan

Problem

- Age is not a determination of disrepair.
- Streets do not deteriorate at the same rate.
- Many factors affect the life of a pavement.
  - Traffic
  - Material
  - Design
  - Drainage
  - Soils
  - Weather

Past Practices

- Traditional Approach
  - Worst First Philosophy
    - Rate the worst streets
    - Spend the budget repairing what we can afford
  - Many roads left in a fair to poor condition.
  - Reactive Maintenance
  - High maintenance cost.
    - Material – small quantities, emergency situations
    - Labor – multiple trips, takes away from other tasks
  - Wasted resources

Solution

Pavement Preservation Philosophy

- Preventative Maintenance and Preservation Treatments
- The goal is to preserve the streets at a higher level of service at a lower cost of repairs.
- More detailed annual rating system
- Apply the right treatment at the right time.
- Get the most life out of the pavement possible.
- Analyze street sections with differing conditions.
- Take advantage of treatments with a higher rate of return. (cost per life extension calculated in $/Lane-Mile-Years)

Concrete – #1 = PCR 98