

# Capital Improvement 10-Year Plan



# Why Create a Pavement Management Plan?

- Highest and best use of taxpayer dollars.
- Prioritization that is data driven, impartial, and measurable.
- Answers the need to reconstruct and rehabilitate poor roads while also maintaining good roads.

# Developing the Plan

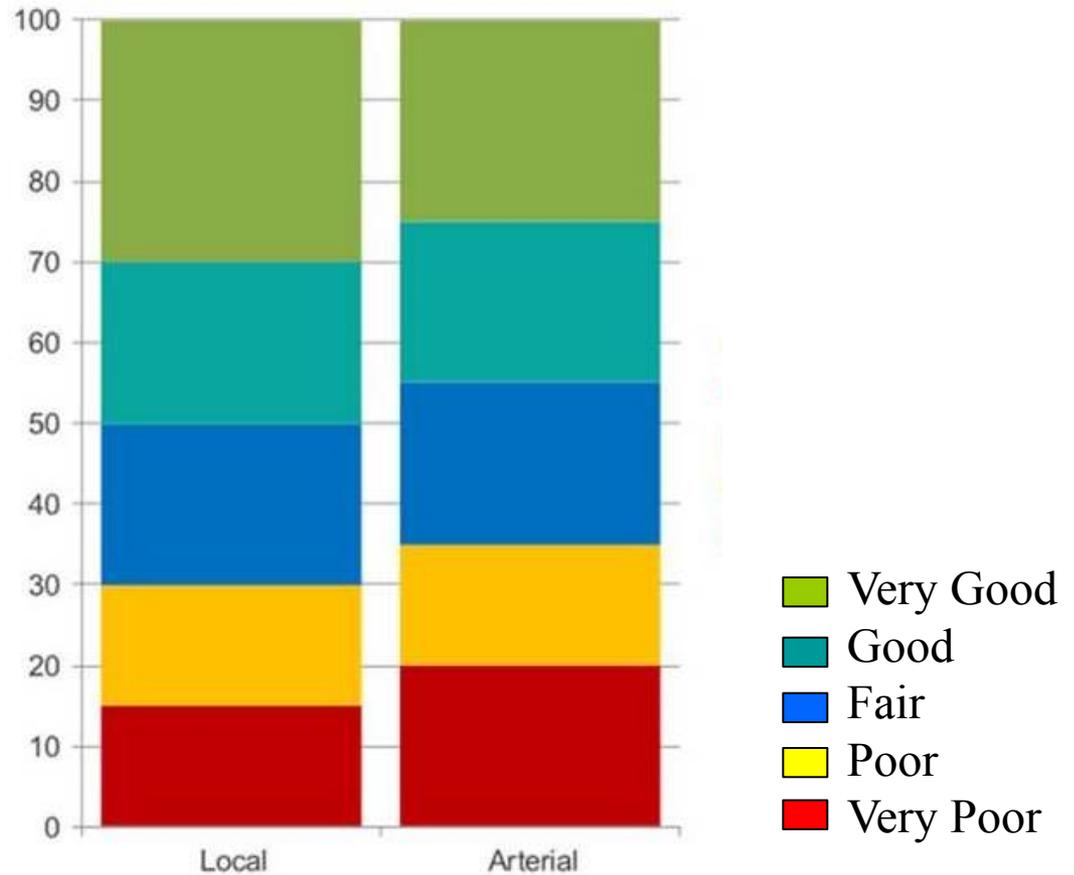
- Pavement condition collected on all Cedar Rapids' 600 miles of roadways.
- Data and field inspections combined in modelling software and GIS mapping analyses.
- Roads categorized: Very Poor to Very Good.
- Roads assigned: Pavement Condition Index (PCI).
- PCI identifies appropriate treatment methods and strategy.

# Final Plan Provides

- Impartial, data-based prioritization.
- Guidance on most effective preservation practices, treatments, and reconstruction methods.
- Tool for projecting future performance of road network.
- Pay-As-You-Go funding source, vs. selling bonds and incurring debt.



# Results of Analysis

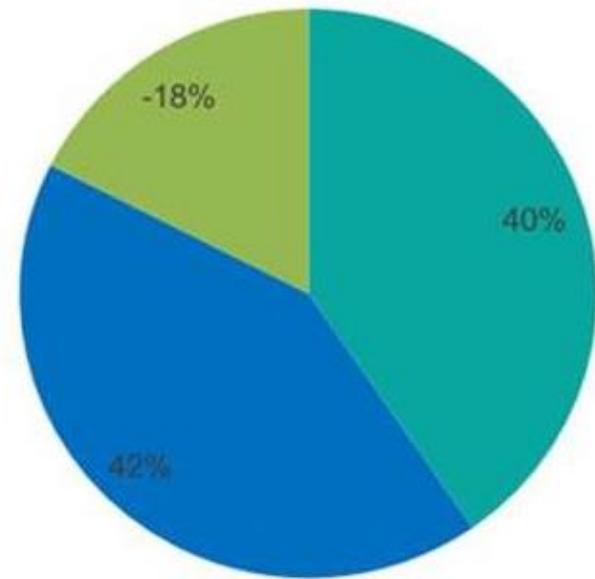


# Plan Includes

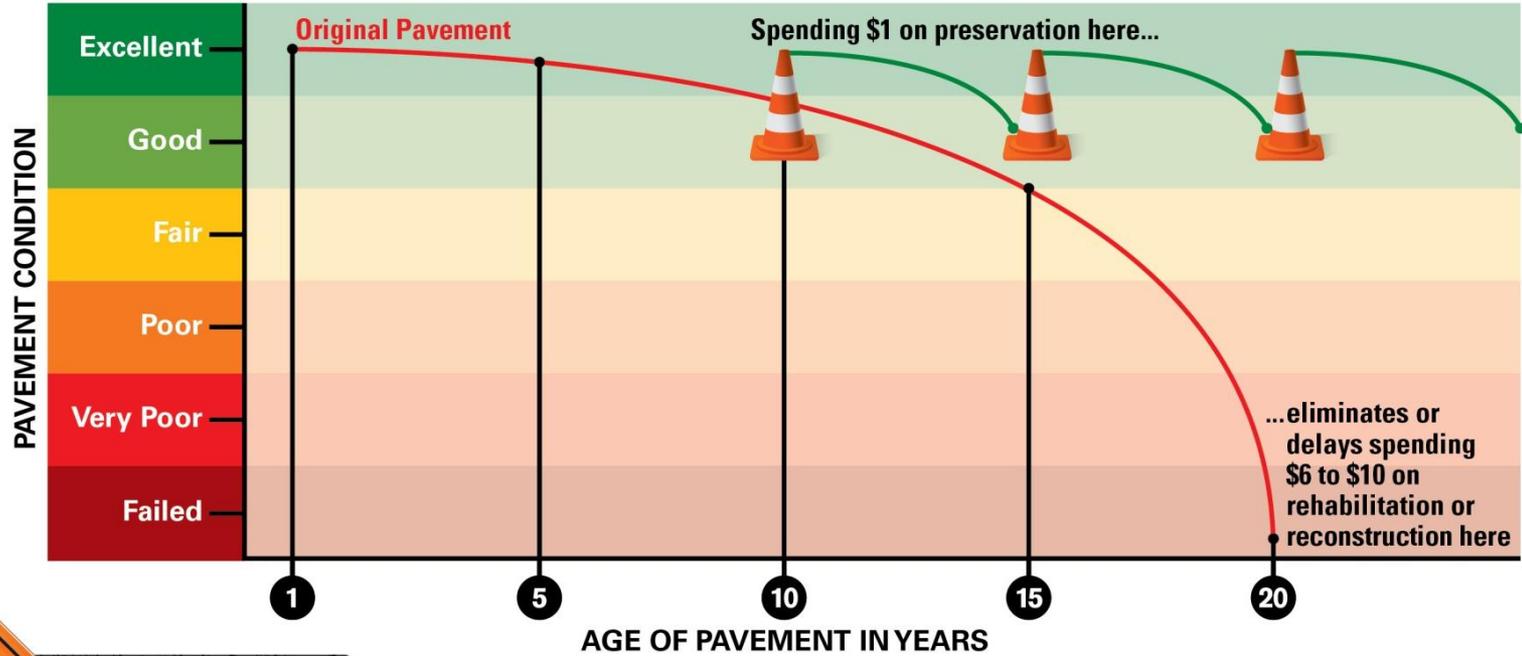
- Phased prioritization of projects
- Recommendations for treatment & preservation
- Improvements to average of 170 projects per phase
- Investing approximately \$18 million a year
- Street condition data updated every two years and plan re-evaluated
- Funding split between high traffic roads and residential streets (40/60) so citizens see as much work close to home as possible while still giving the high volume arterial network the attention it requires.

# Treatment Methods

- **Reconstruction:** The complete removal and replacement of a pavement section
- **Rehabilitation:** Asphalt resurfacing, concrete patching, surface profiling
- **Maintenance:** Chip seal, crack filling and sealing, diamond grinding



■ Reconstruction  
■ Rehabilitation  
■ Maintenance



Small doses of Paving for Progress, or *preservation*, on roads still in *good* or *fair* condition extends the life of the road and will save money in the long run.

# Impacts of our Investment



APPROXIMATELY  
**36%**

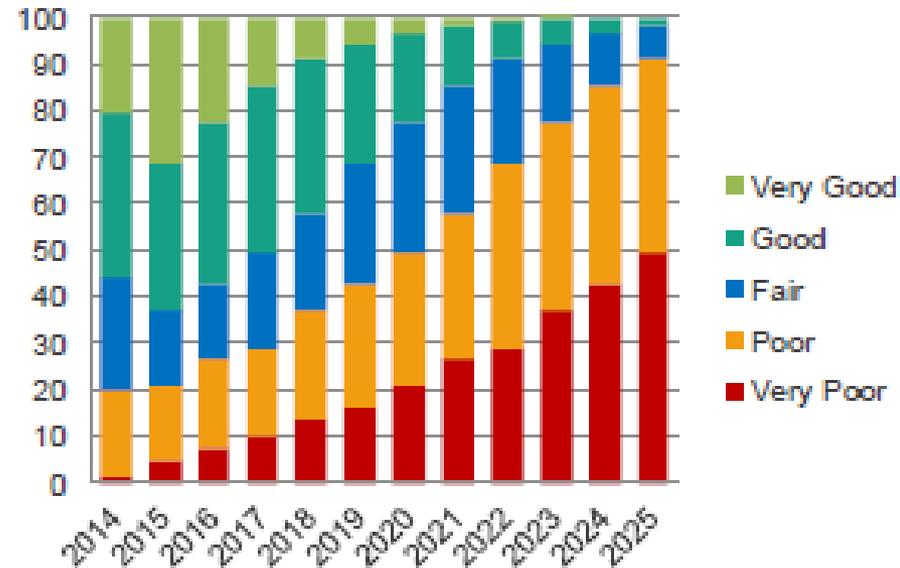
OF ALL LANE-MILES IN THE CEDAR RAPIDS WILL UNDERGO TREATMENT

MORE THAN **50%**  
OF ALL VEHICLE MILES

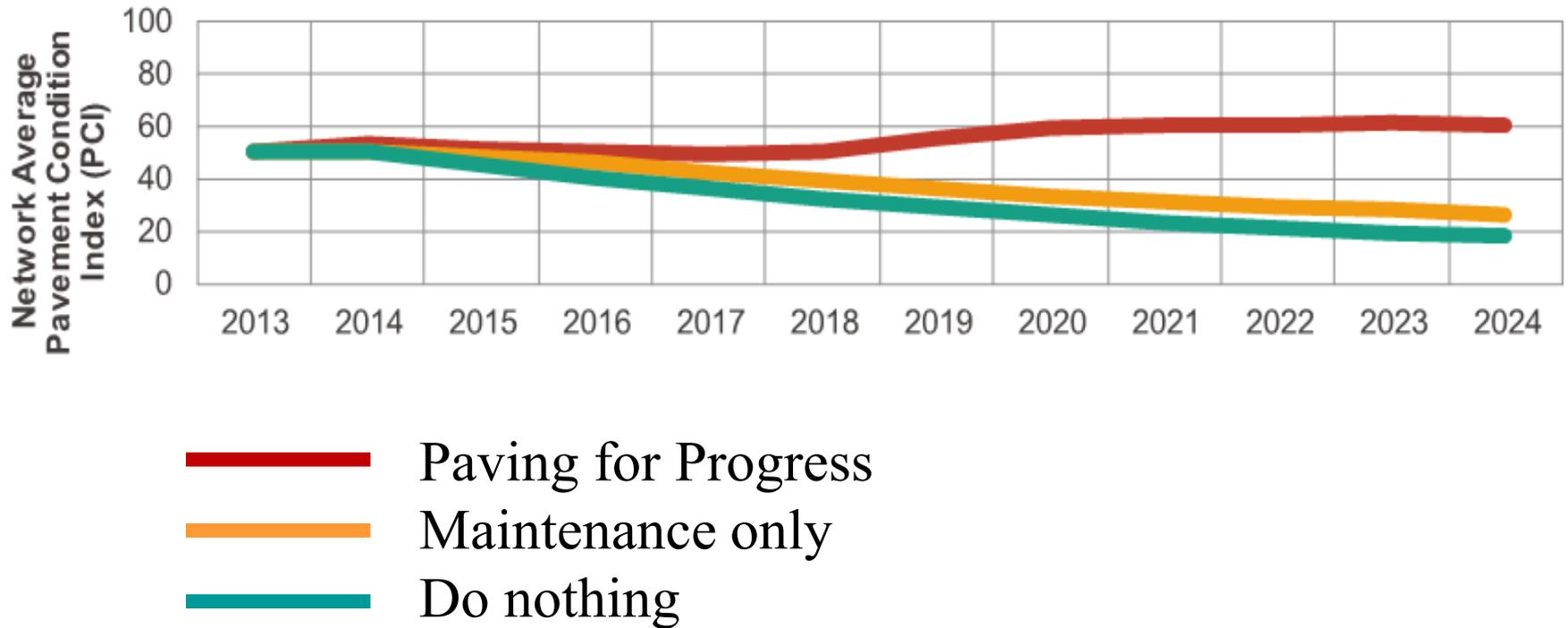
DRIVEN IN CEDAR RAPIDS WILL BE ON ROADS REPAIRED THROUGH THE PFP FUNDING

# Without Paving for Progress

Without this program, 90% of the Cedar Rapids road network would likely fall below the “Poor” condition threshold sometime in the next 10 years.



# Results of the Investment



# Community Engagement

- Plan available online: [www.CityofCR.com/PavingforProgress](http://www.CityofCR.com/PavingforProgress)
- Media outreach
- Social media, Citysource newsletter, text alert, *OurCR* magazine
- Paving for Progress information at the Downtown Farmers Market
- Residents can provide feedback:
  - Email [PavingforProgress@cedar-rapids.org](mailto:PavingforProgress@cedar-rapids.org)