



**2021**

# **PAVEMENT MANAGEMENT CONDITION REPORT**

**City Council Workshop  
April 19, 2020**

# Background

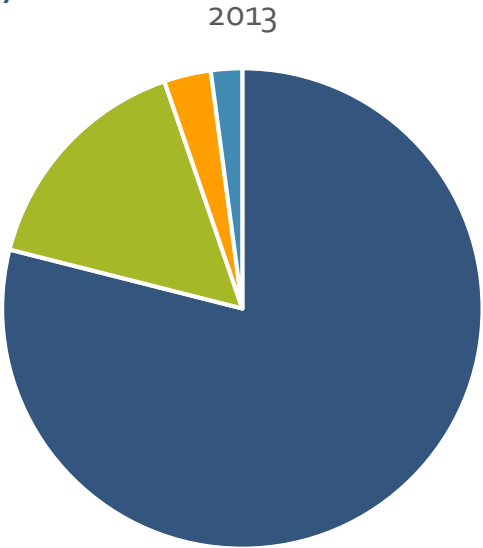
The objective of an effective pavement management program is to provide good roadways at the lowest, sustainable lifecycle cost possible.

In 2014, City Council elected to increase funding for the Street Preservation Program. This increase has provided the opportunity to maintain the Citywide Pavement Condition Index (PCI). This funding has provided the opportunity to utilize cost effective preservation measures and preform major restoration work.

# Street Network Statistics

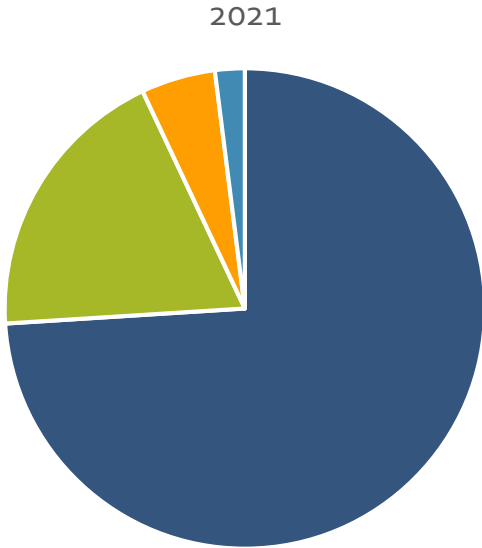
Current PCI = 75

- 2013 Budget: Approximately \$175,000
- 102 Centerline Miles
- PCI: 77



■ Good (I) 70-100   ■ Fair (II/III) 50-69  
■ Poor (IV) 25-49   ■ Very Poor (V) 0-24

- 2021 Budget Approximately \$1 Million
- 122 Centerline Miles
- PCI: 75

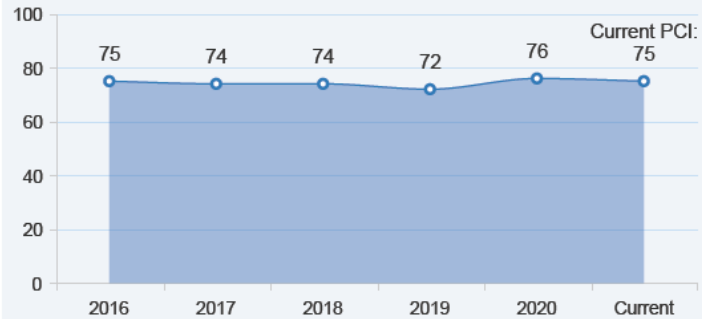


■ Good (I) 70-100   ■ Fair (II/III) 50-69  
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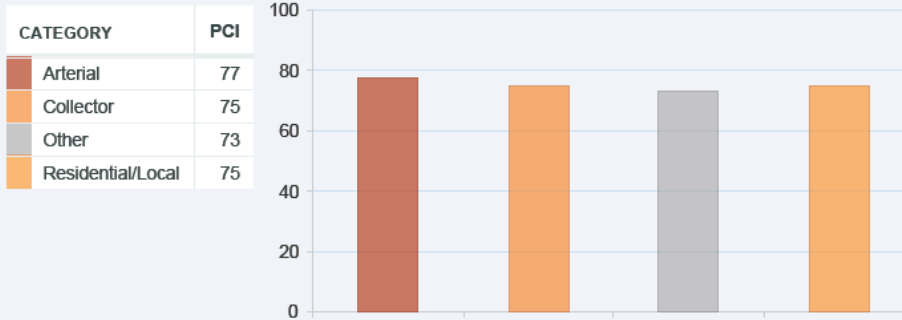
# Executive Dashboard

Pavement Area (square miles): 0.78 | Centerline Miles: 122.26 | Lane Miles: 282.26 | Sections: 938

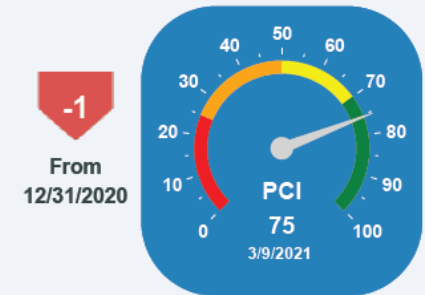
## Historical Pavement Condition Trends



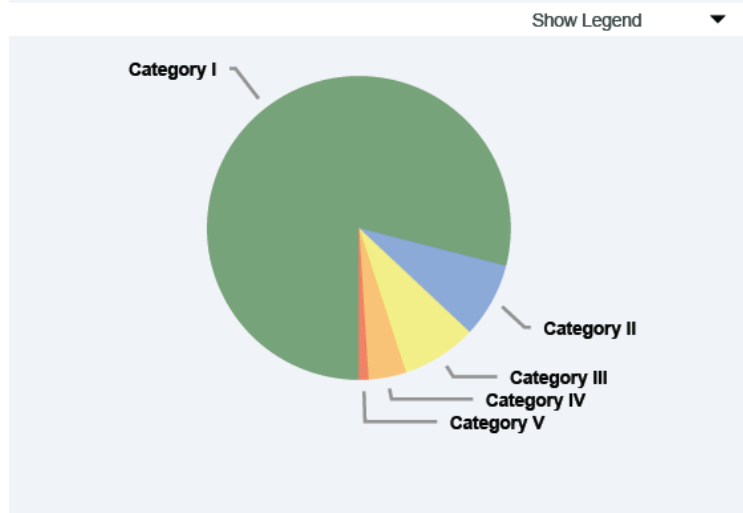
## Current PCI by: Functional Class



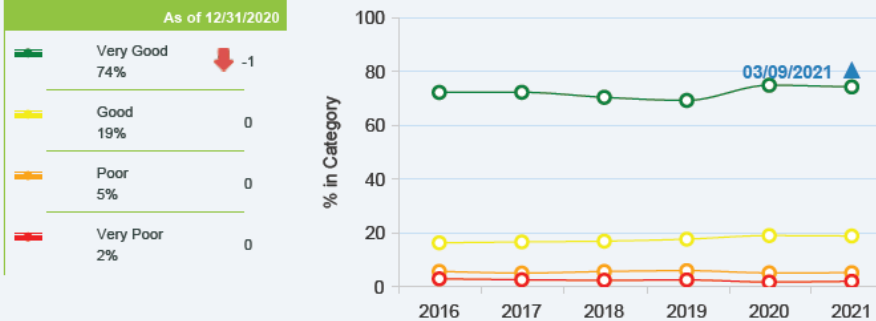
## \*Current PCI



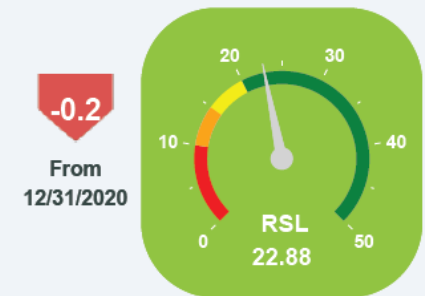
## Percent of Area by: Condition Category



## Historical Network Condition Trends



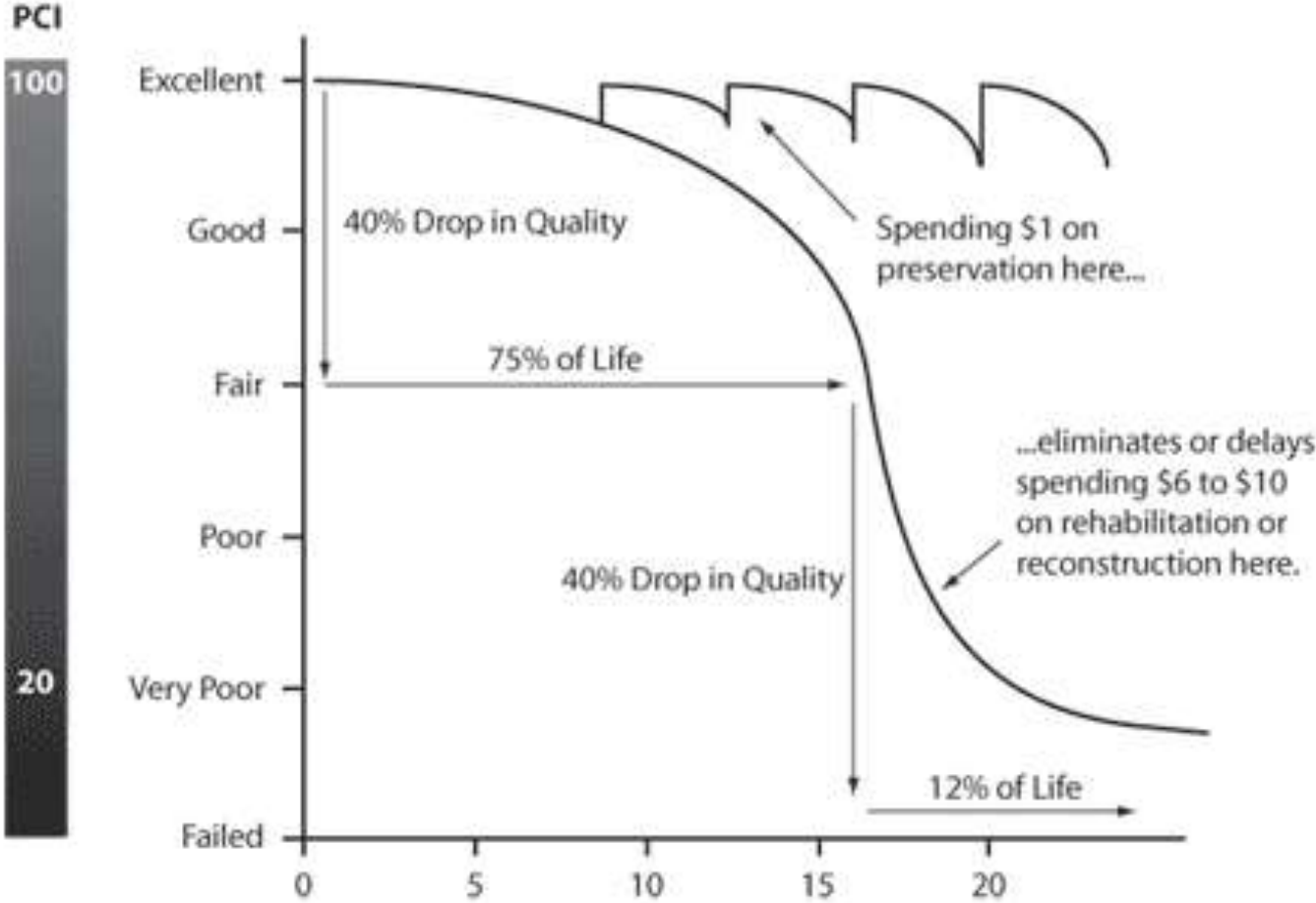
## Remaining Service Life (years)



\*DISCLAIMER: For display purposes only, graphs with an asterisk (\*) show Condition Category colors based on default PCI Breakpoint values of 70, 50 and 25. Please Note: Historical PCI values are calculated as of 12/31 of the year shown.



# Pavement Deterioration Curve





# Considerations

- At current funding levels, Pavement Condition will continue to deteriorate
- As pavement condition deteriorates, lose opportunity to maintain streets with cost effective surface seal & crack seal
- ADA Sidewalk Curb Ramps
- To maintain PCI, model estimates additional \$500,000/Year needed. Consider increasing annual funding.



# 2021 Potential Projects



## Total Budget: \$1 Million

- NE 15th Reconstruct \$280K
- NE 2nd Reconstruct \$170K
- Cemetery Paving \$75K
- Slurry Seal \$300K
- Reserve \$175
  - Partnering Opportunities
  - Grant Opportunities
  - Emergency Repairs
  - 2022 Carry-over

# Questions?