



# **TOWN OF WICKENBURG**

## **PAVEMENT MANAGEMENT PRESENTATION**

Herschel Workman, PSC Director

10/20/2025



# Agenda



- Overview
- Funding
- Maintaining the Town's Road Network
- Background Information & Consideration
- Pavement Condition Index
- Pavement Conditions
- What to Consider
- Budget
- 5 Year Pavement Preservation & Improvements
- Q&A

# Funding

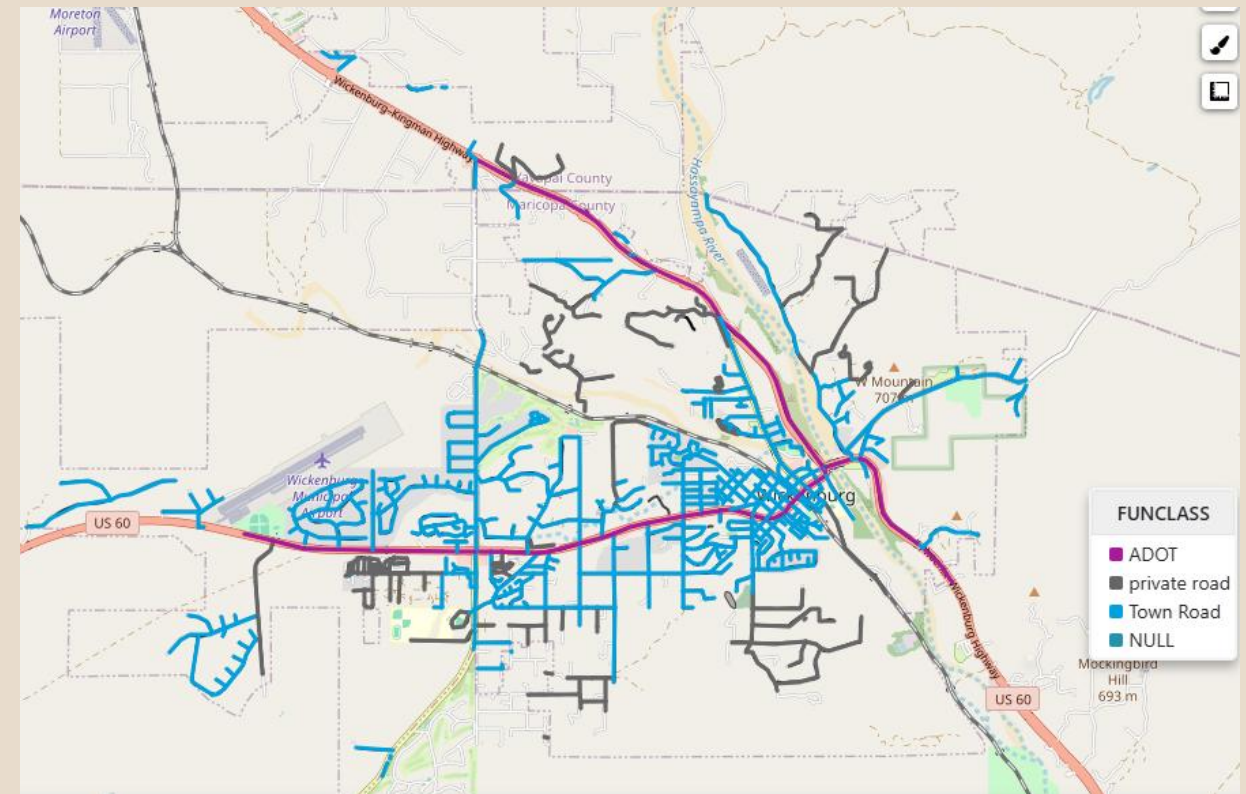
| Street Funding                | FY 2025               | Anticipated FY 2026 |
|-------------------------------|-----------------------|---------------------|
| Construction Sales Tax        | \$694,522.06          | \$890,251           |
| HURF                          | \$553,401.41          | \$651,363           |
| Interest Income               | \$68,989.54           | \$62,802            |
| Transferred from General Fund | \$600,000.00          | \$1,700,000         |
| <b>Total</b>                  | <b>\$1,916,913.01</b> | <b>\$3,304,416</b>  |

FY 26 Salaries and Benefits budgeted at \$554,476

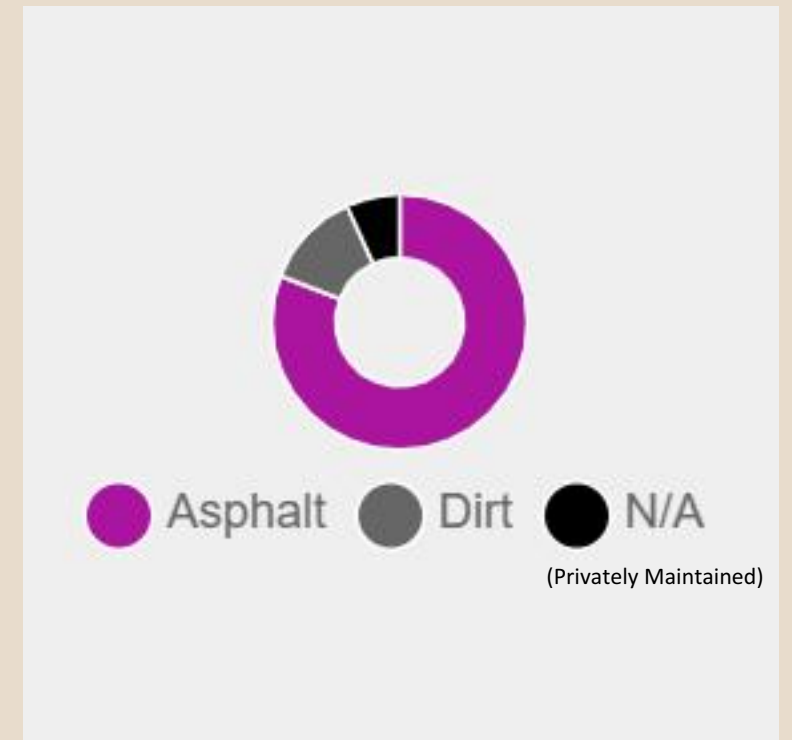
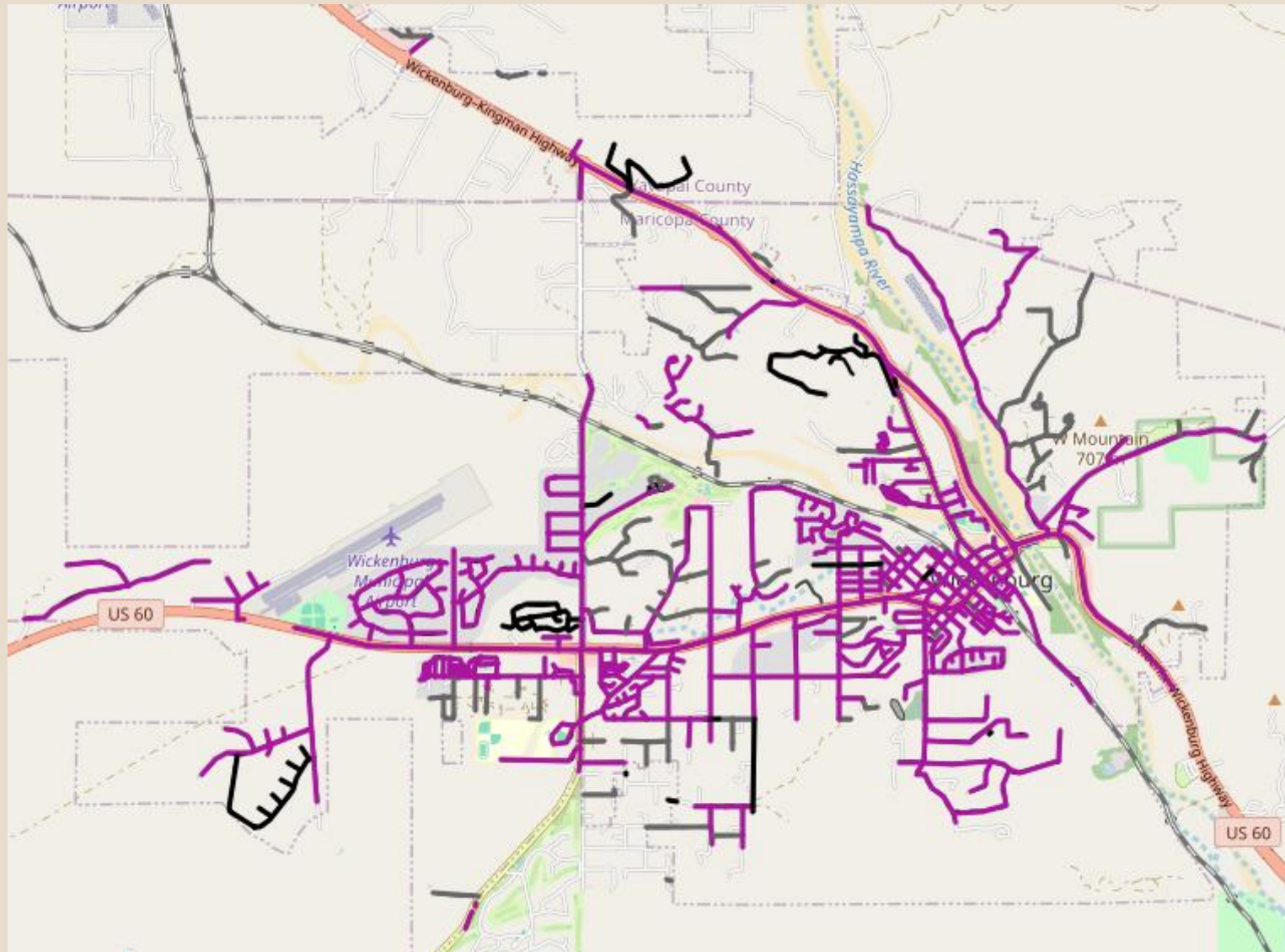


# Overview

- Maintained by town — Approx. 77.1 Miles
  - 6 Street Employees - 1 Dedicated to Downtown maintenance fulltime
  - 1 Manager
    - 81% - Asphalt
    - 12% - Dirt
- Maintained by ADOT or Private
  - 7%



# Overview



# Maintaining the Town's Road Network

- This is a core responsibility of the Town
- It is economic development
- It is a public safety matter
- It is fiscally responsible
- It is an expectation of our residents



# Background Information & Considerations

- Costs
  - \$10 /sqft for Repaving
  - Concrete Costs for any Curbs or Sidewalks
  - Crosswalks
  - Pavement Marking & Striping
  - Street Signs
- Other Items to Consider
  - ADA Compliance
  - Future Waterline Repairs

Example: Tegner St. Phase II (Sols Wash to Hwy 60)  
 Actual Cost After Completion: \$832,737.65

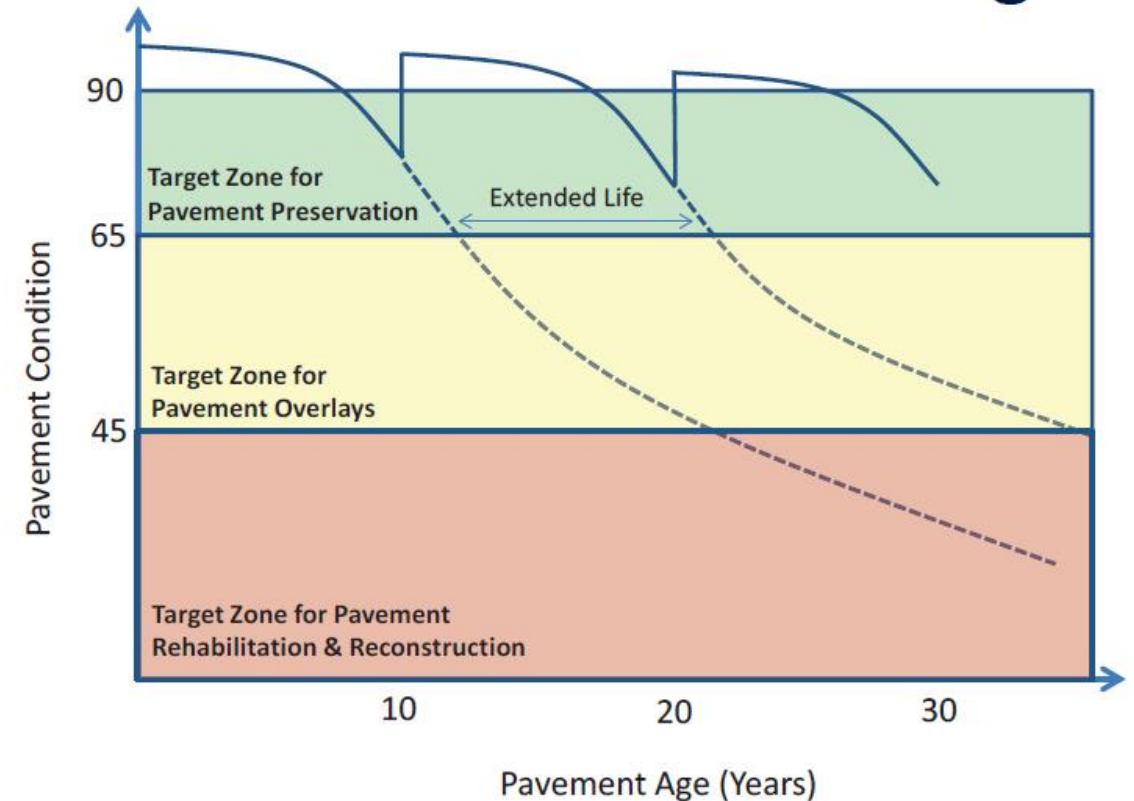
| Tegner Phase II Estimated Repaving Costs<br>(Just Asphalt) |                      |
|------------------------------------------------------------|----------------------|
| Length (ft)                                                | 1,695                |
| Width (ft)                                                 | 40                   |
| Total (sqft)                                               | 69,800               |
| <b>\$10/sqft</b>                                           | <b>\$ 698,000.00</b> |



# Pavement Condition Index

| Score Range | Condition Rating | General Description     |
|-------------|------------------|-------------------------|
| 85 – 100    | Excellent        | New or Fairly New       |
| 70 – 84     | Good             | Minor Distress          |
| 55 – 69     | Fair             | Noticeable Wear         |
| 40 – 54     | Poor             | Significant Distress    |
| 25 – 39     | Very Poor        | Major Structural Issues |
| 0 - 24      | Failed           | Complete Reconstruction |

## Benefits of Pavement Management



**\*\* Recommended – No More Than 2 Chip Seals / Section of Paved Roads**



# Pavement Condition Index

- PW utilizes Iworq Pavement Software.
- July 2024 Iworq collected initial data of our street conditions and current signs using a vehicle camera.
- Data is updated by PW staff when roads are maintenance or reconstructed.

## Street Level Imagery



Street level view identifies and outlines assets.

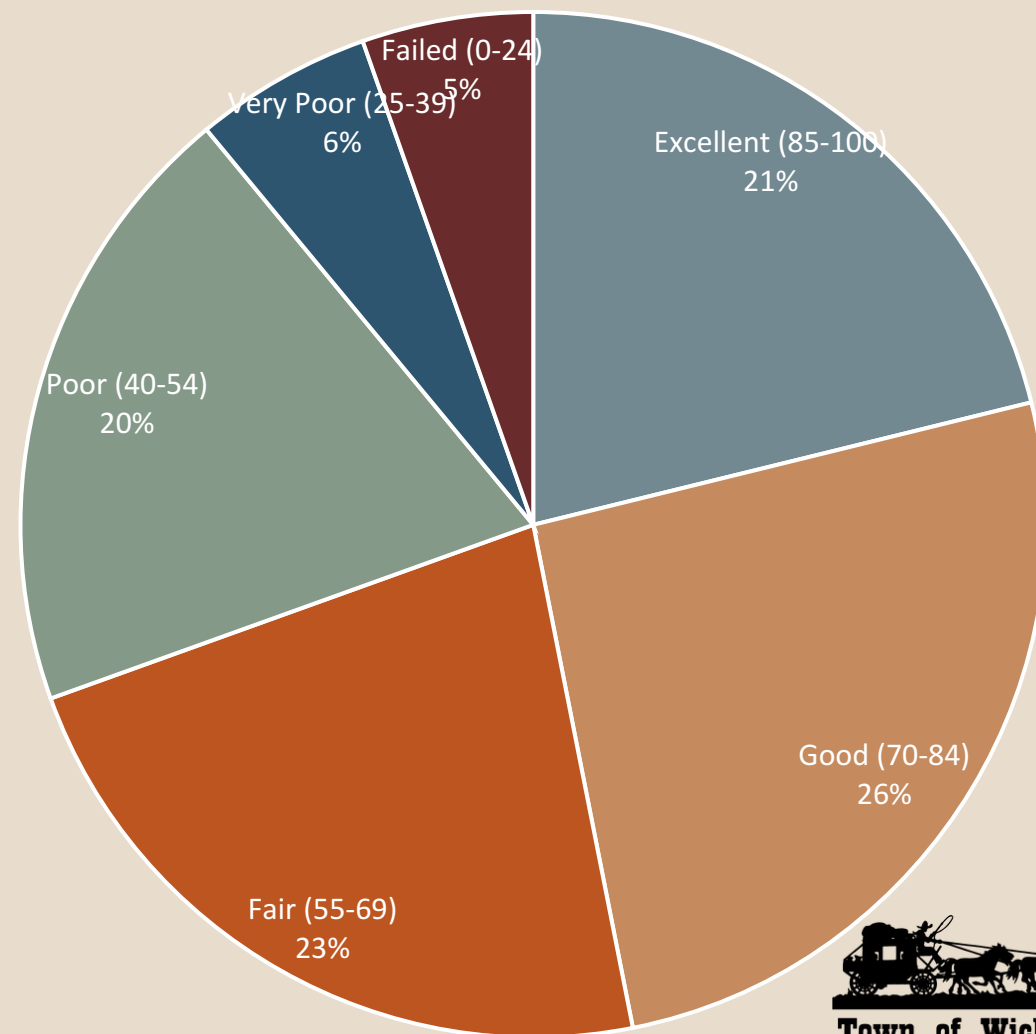


# Wickenburg Pavement Conditions

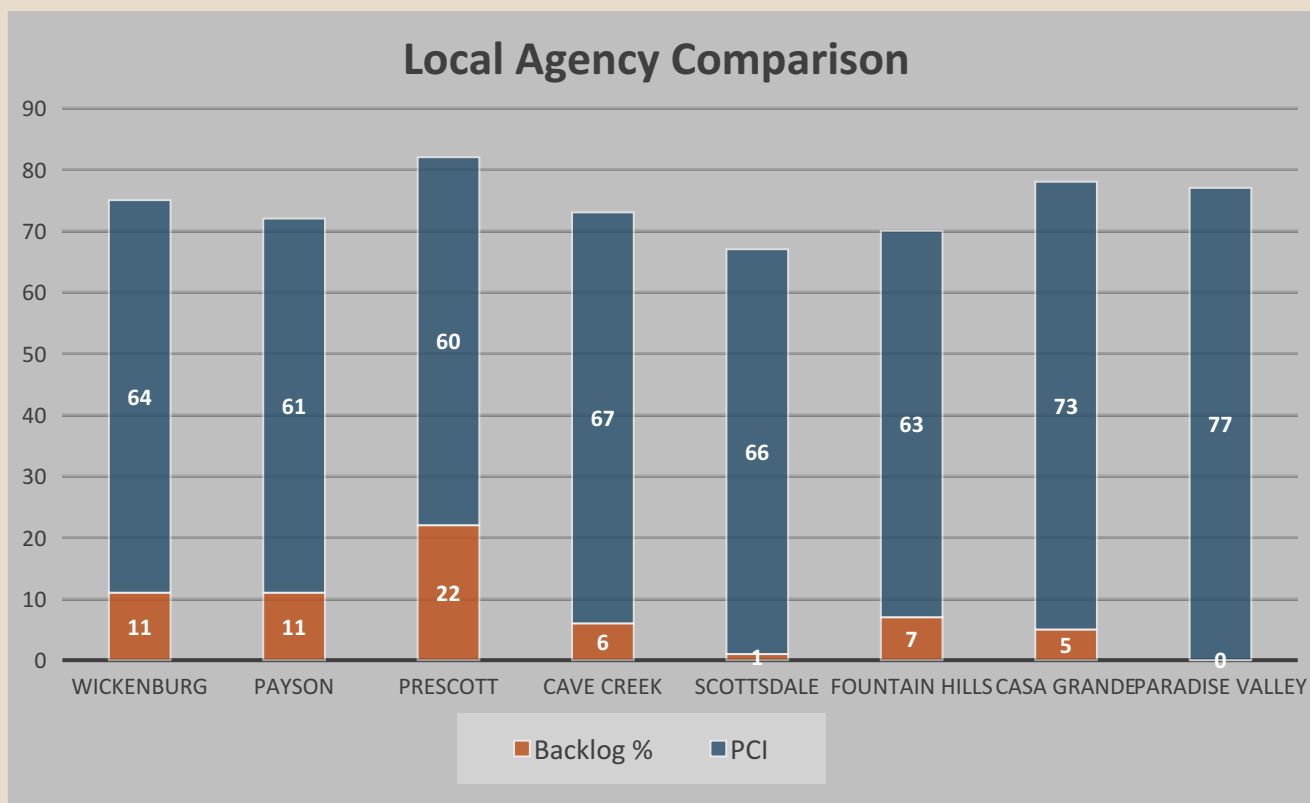
- Pavement Condition Index (PCI)  
0-100 (0 = Failed, 100 = Excellent)
- Backlog = PCI < 40
  - Reconstruction Required
- Our Average PCI = 64
- Our Backlog = 11%

Review of nearby Communities looked to achieve a goal of an average PCI above 60 & Back Log of 15%

Pavement Condition Rating



# Pavement Condition Index



Communities leverage the Pavement Condition Index (PCI) to manage road networks and prioritize maintenance. They assess road conditions through inspections and compile PCI scores, using these to determine which roads require immediate repairs. By analyzing PCI trends, communities can forecast future maintenance needs and evaluate the effectiveness of their strategies, ultimately ensuring efficient management of road networks.

# Wickenburg Sample Pavement Conditions

## Sample of Road Sections with PCI Rating <40

- Adams\*
- Cochise
- Coconino
- Fisher\*
- Howard\*
- Industrial
- Navajo\*
- Madison\*
- Sabin Brown
- Santa Cruz\*
- S Tegner
- Villa Sereno
- S Washington



# Pavement Condition Index

- Our efforts with the PCI information will target road maintenance based on the data.
- We do not treat all roads in backlog, we maintain some that are in good condition to prevent deterioration and some in fair condition to improve them to good condition.
- Another thing that is considered is higher traveled roads. These roads will receive more attention than lower traveled roads.

# Condition Examples



PCI - 50



PCI - 45



PCI - 40

# What to Consider

- Increase CIP Projects & Budget in 5 Year Plan
  - Add more Road Sections to CIP that have a PCI < 50
    - 40 Road Sections with PCI < 40 (Approx. 12 Miles) – Requires full reconstruction
    - 20 Road Sections with PCI < 25 (Approx. 7 Miles)
  - Increase Street Maintenance to maintain roads with PCI > 50 - to keep them from falling into back log
    - 120 Roads with PCI > 50
- Continue Current CIP Projects in 5 Year Plan & Budget
  - Repave of N Vulture Mine & Pavement Maintenance Lewis Addition
    - (estimated total cost 2.5 million)
  - Current Street Maintenance Budget - \$650,000
  - Budget includes other misc. street maintenance
    - Maintain Roads PCI > 50



# Budget

| Budget                                           |                |              |                |
|--------------------------------------------------|----------------|--------------|----------------|
| Fiscal Year                                      | FY 2023-2024   | FY 2024-2025 | FY 2025-2026   |
| Streets Maintenance<br>(All Streets Maintenance) | \$527,300.00   | \$705,000.00 | \$670,000.00   |
| Improvements                                     | \$1,950,000.00 | \$900,000.00 | \$2,380,000.00 |

# 5 Year Pavement Preservation and Improvements

- FY 2024 – 2025
  - Pavement Preservation:
    - Palm Dr, Cucuracha, Hermosa, Falcon, Verde, & Palo Verde
    - Average PCI: 51.8
    - Total Cost: \$634,877.14
  - Improvement: Tegner Phase 2
    - Total Cost: \$832,873.65
- FY 2025-2026 (Current)
  - Pavement Preservation:
    - Henderson, Fisher, Jefferson, S Adams, S Jackson
    - Average PCI: 46.4
      - Estimated Cost: \$250,000.00
  - Capital Improvement (CIP):
    - Constellation – PCI = 51
      - Cost: \$844,871.38
    - Lewis Addition
      - Average PCI: 30
      - Estimated Cost: \$150,000
    - Multi Use Path
      - Estimated Cost: \$80,000
- FY 2026-2027
  - Reeds Addition: Mohave, Navajo, Lincoln, Adams, & Jackson.
  - Average PCI: 36.5
- FY 2027-2028
  - Sunny Cove Heights: Sunny Cove, Mt. Pleasant, N Heights, Earl, Chaparral, & Oasis
    - Average PCI: 55.7
  - Saddle Ridge: Silvers Spur, Pinto, Percheron, Jinglebob, Palamino, Stirrup, Roundup, & Latigo.
    - Average PCI: 81.7 \*will need maintenance by 2027-2028
- FY 2028-2029
  - Black Mountain: Black Mountain & Desert Willow.
    - Average PCI: 81.5 \*will need maintenance by 2028-2029
  - Listening Hills: Stagecoach, Thunder Rock, Settlers, Happy Trail, & Buckboard.
    - Average PCI: 67.2



# 5 Year Pavement Preservation and CIP Plan



FY 2025-2026 Henderson  
PCI - 65



FY 2026-2027 Navajo  
PCI - 36



FY 2027-2028 Oasis  
PCI - 57



# Questions?