



FY2027 Pavement Management Update





AGENDA

- PCI Assessment
- FY2027 Pavement Management Projects
- FY2027 Bridge Maintenance Program
- ASU Pavement Consortium





Pavement Condition Assessment

- **Scope of Work**
 - Full Assessment of All Streets
- **Results**
 - Residential 79
 - Arterials 75
 - Collectors 78
 - Industrial 73
 - Rural 71

Overall PCI of 77



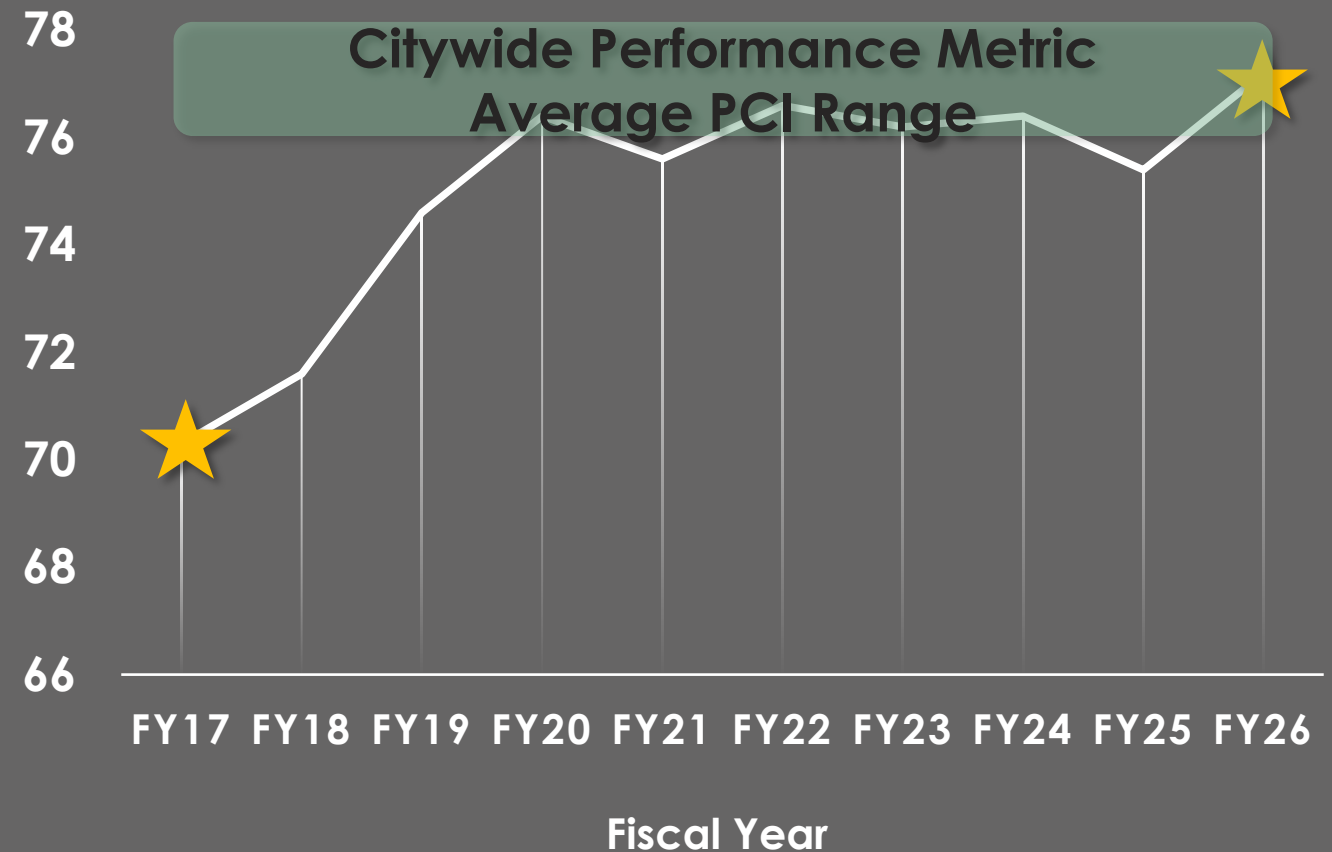


PAVEMENT CONDITION INDEX

10 YEAR NETWORK PCI

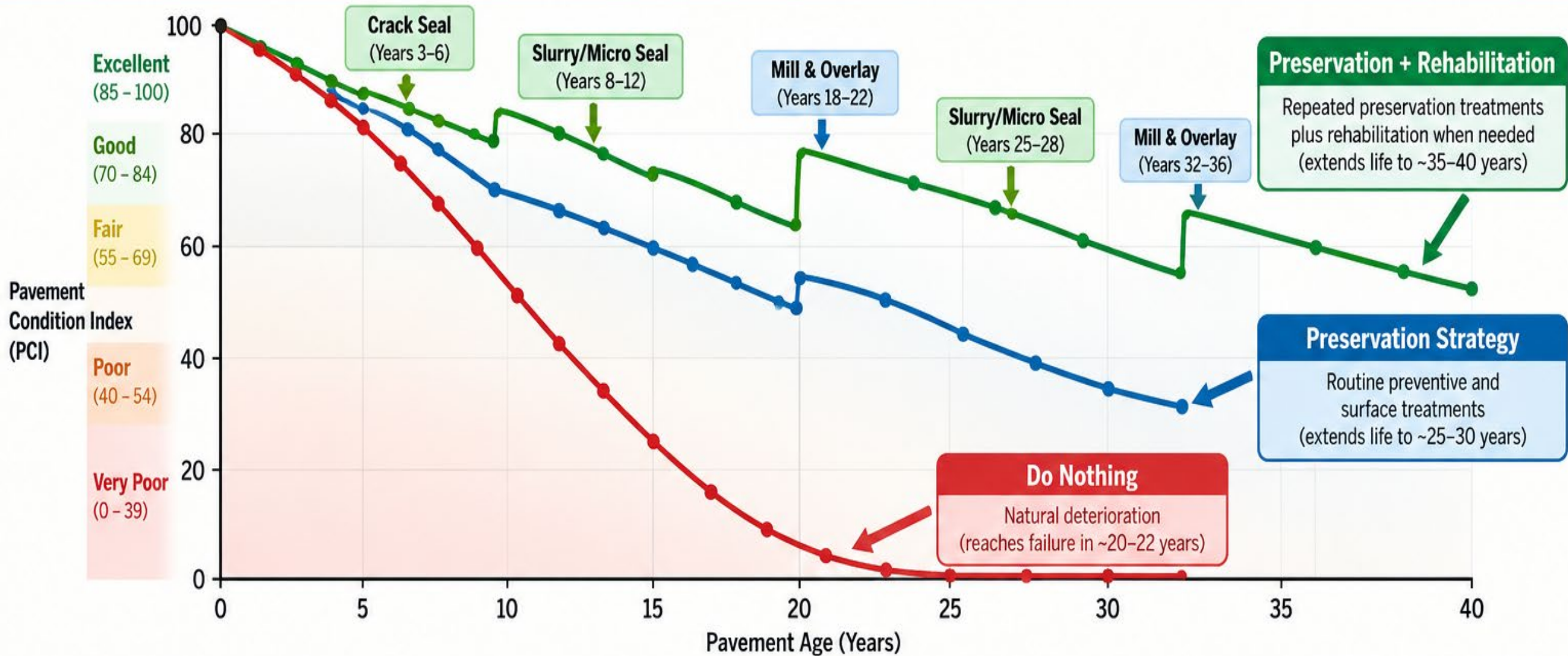
—PCI

- **FY2017: 69.8**
- **FY2026: 77.2**



Pavement Preservation Extends Life and Delays Replacement

Right Treatment | Right Road | Right Time = Lower Life-Cycle Cost



FY2027 PAVEMENT MANAGEMENT

Total Budget = \$5.4 Million

- \$4.8M Ongoing
- \$600K One-time
- 56 Lane Miles (4.7% of total lane miles)
- Mill and Overlay
- Micro Seal
- Liquid Road
- Slurry Seal



FY2027 Pavement Treatment Types



Mill & Overlay
the top layer of asphalt is milled off and replaced with new asphalt



Liquid Road
A polymer-modified, fiber-reinforced asphalt emulsion coating



Micro Seal
A thin layer of emulsified asphalt and sand applied to an arterial roadway



Slurry Seal
A layer of emulsified asphalt and sand applied to residential roadway

Slurry Seal



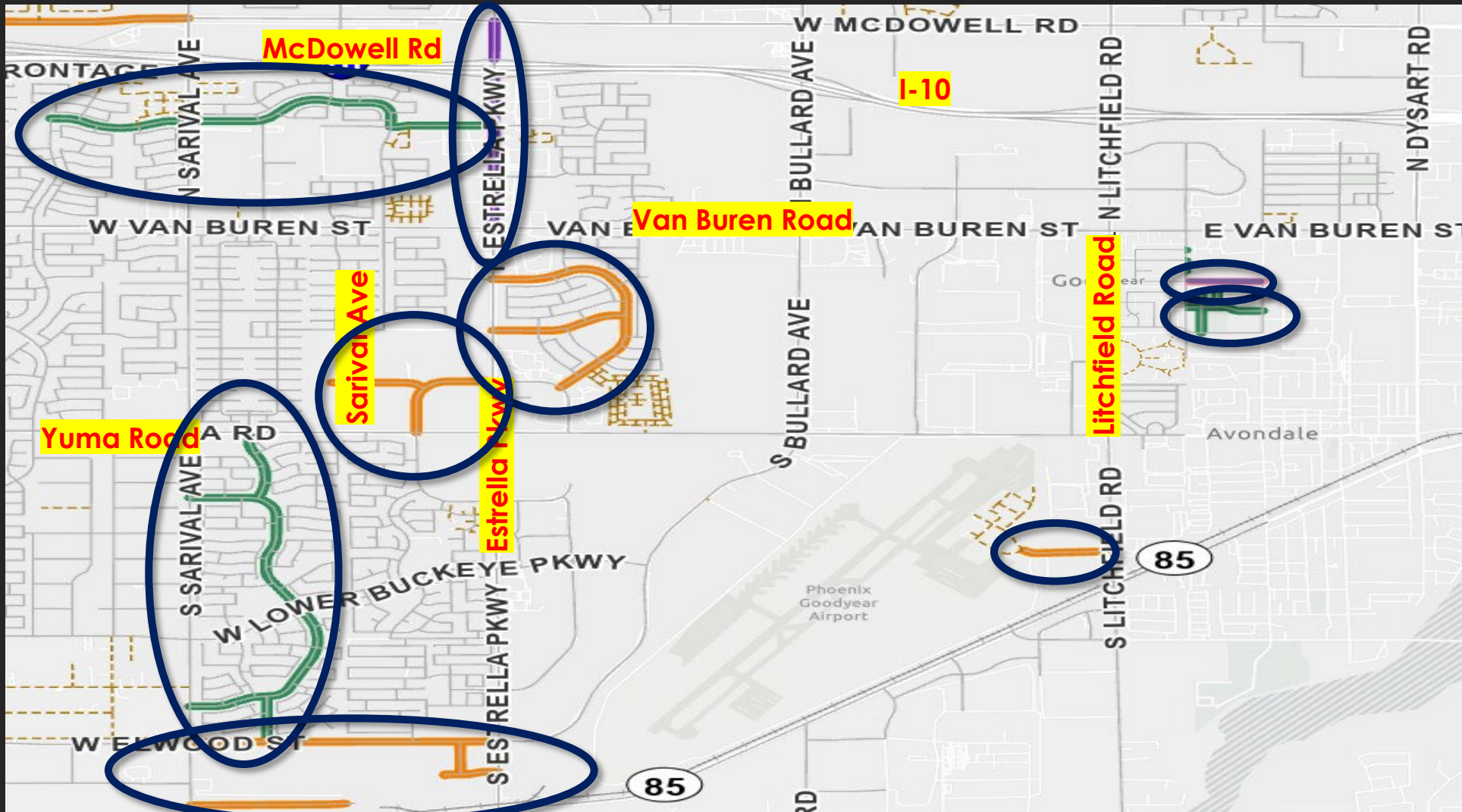
FY2027 PAVEMENT MANAGEMENT PROJECTS

PROJECT MAP – CENTRAL GOODYEAR

Micro Seal

Liquid Road

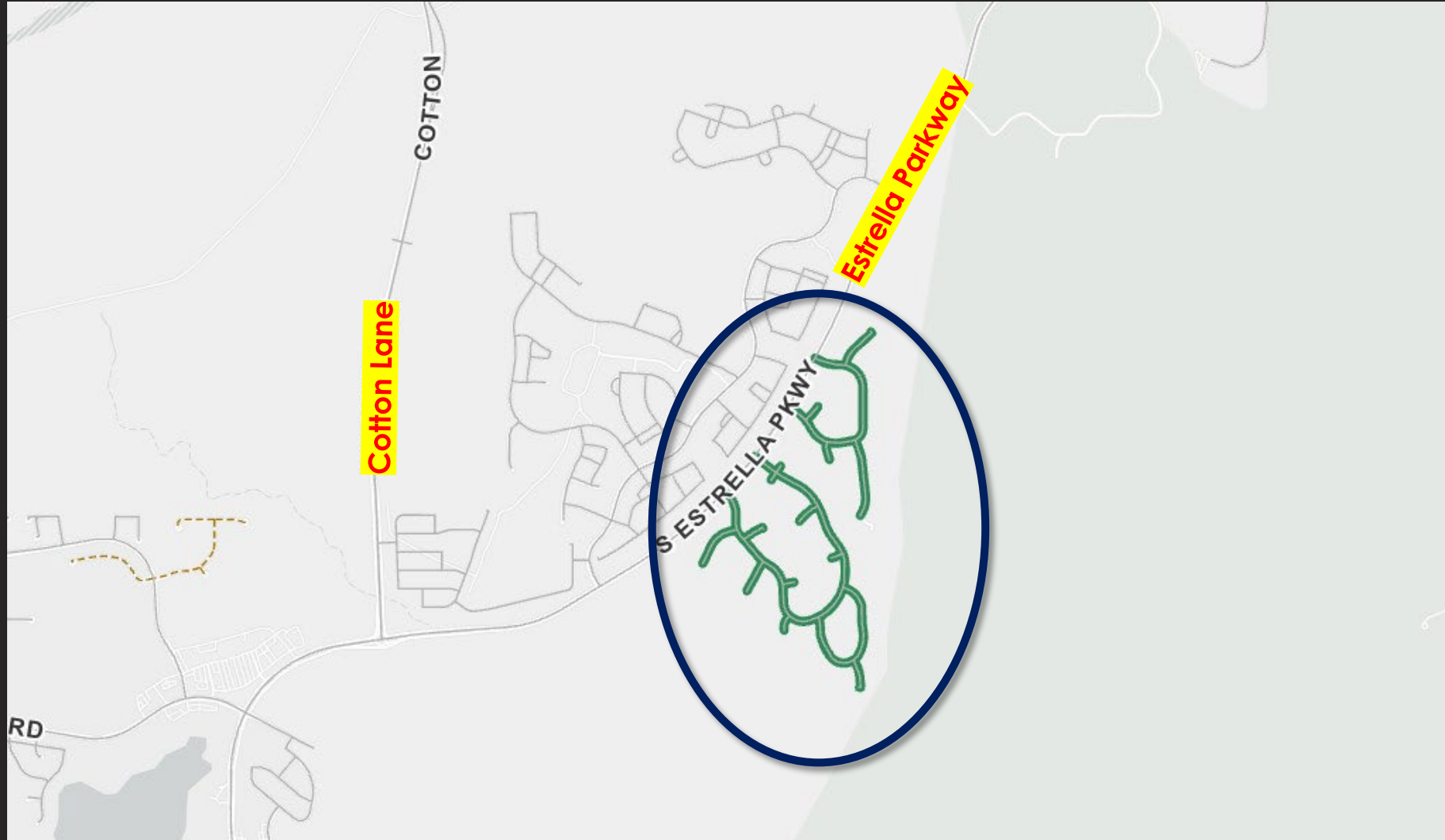
Mill and Overlay



FY2027 PAVEMENT MANAGEMENT PROJECTS

PROJECT MAP- ESTRELLA MOUNTAIN RANCH

Liquid Road



PROACTIVE COMMUNITY & BUSINESS OUTREACH

- Direct Business & Residential
- Bilingual Communications
- Minimizing Business & Traffic Impacts
- Advance Notification
- Multi-Channel Outreach
- Internal Coordination



Bridge Assessment

WHAT WE FOUND

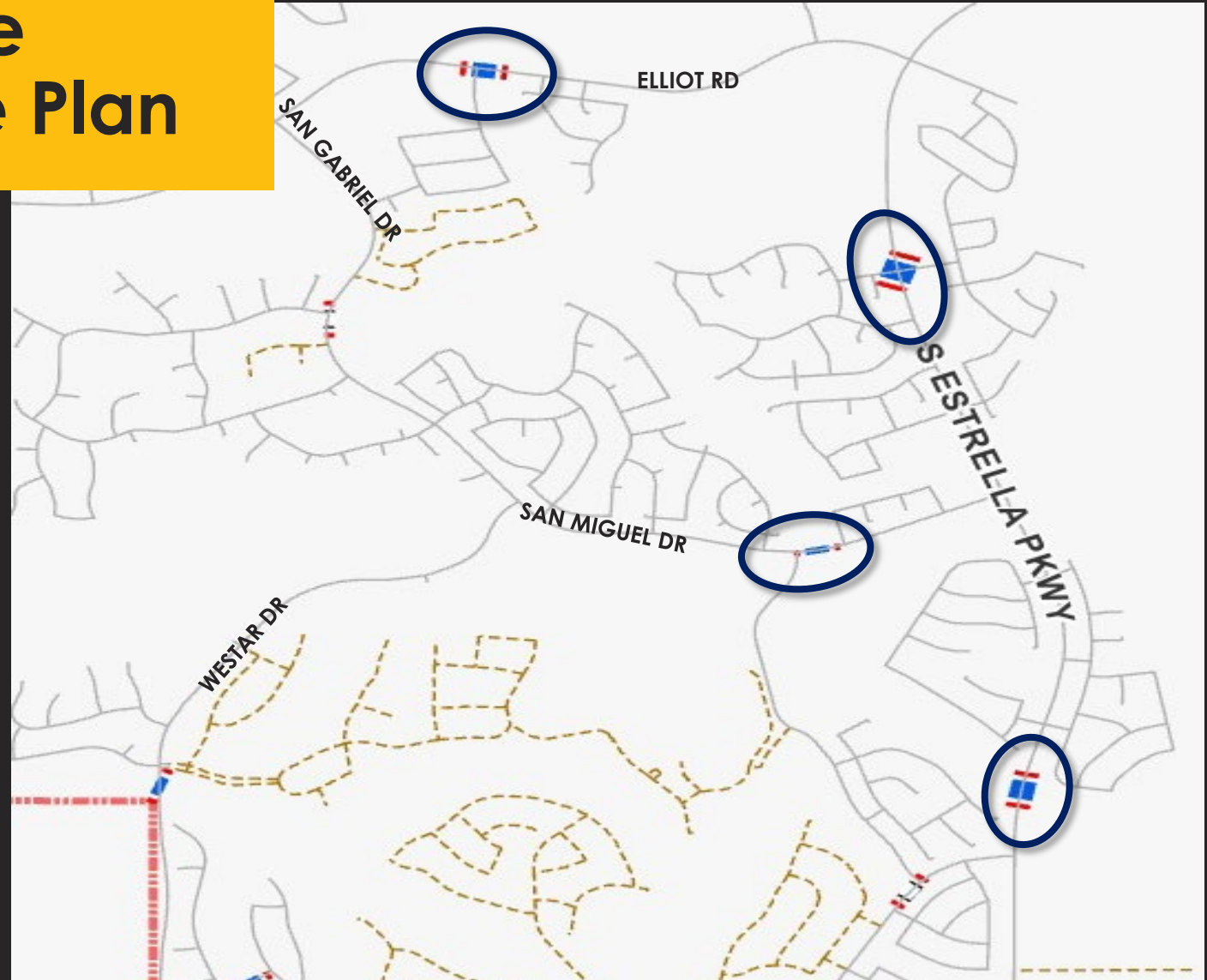
- Overall Sound Bridge Network
- 99 Bridge Structures
- Numerous Minor Defects





FY2027 Bridge Maintenance Plan

- \$750,000 Budgeted
- Bridge Deck Patching Repair and Seal
- Underdeck Patching Repair and Seal
- Railing Painting and Stabilization Repair
- Remove Irrigation





ASU's Southwest Pavement Consortium

- Life-cycle Planning
- Specifications and Materials
- Field Performance
- Demonstrated Outcomes

Since 2021

Arizona's hub for pavement research, technical training and field projects

15

Industry and government partners

Official City Partners

Phoenix, Mesa, Scottsdale, Peoria



Planning: Three-Year Pilot Project

Goodyear Gains

- Advanced Pavement Technologies
- Proven Field Practices
- Stronger Investment Decisions

\$25,000/year

For 3-year Pilot, totaling \$75,000

0.5%

of Goodyear's annual pavement management budget

Consortium Estimates

\$600,000 in annual research could add nearly 4 years of pavement life and generate \$10M–\$100M in annual municipal savings.

DISCUSSION

PAVING OUR FUTURE

SAFE ROADS | STRONGER COMMUNITY | A BRIGHTER TOMORROW



SAFER TRAVEL

Well-maintained roads reduce crashes and improve safety for everyone.



STRONGER COMMUNITY

Reliable roads connect our neighborhoods, businesses and opportunities.



PRESERVING OUR INVESTMENT

Proactive maintenance extends pavement life and delays costly reconstruction.



A MORE VIBRANT GOODYEAR

High-quality infrastructure supports economic growth and an exceptional quality of life.



A SUSTAINABLE TOMORROW

Smart pavement strategies maximize resources and keep our community moving for generations.