

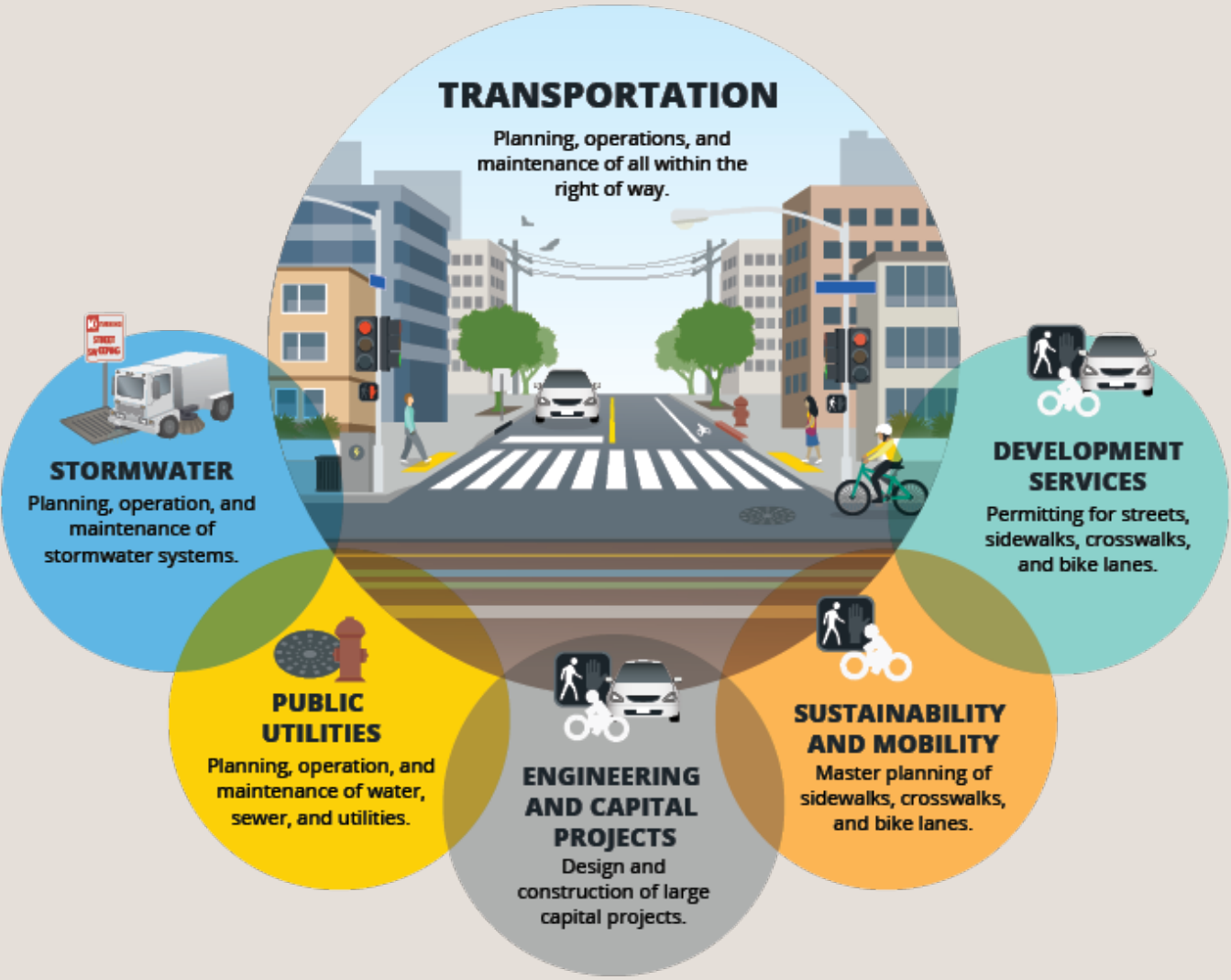
# Pavement Management Plan

APWA San Diego Chapter Meeting

April 11, 2024

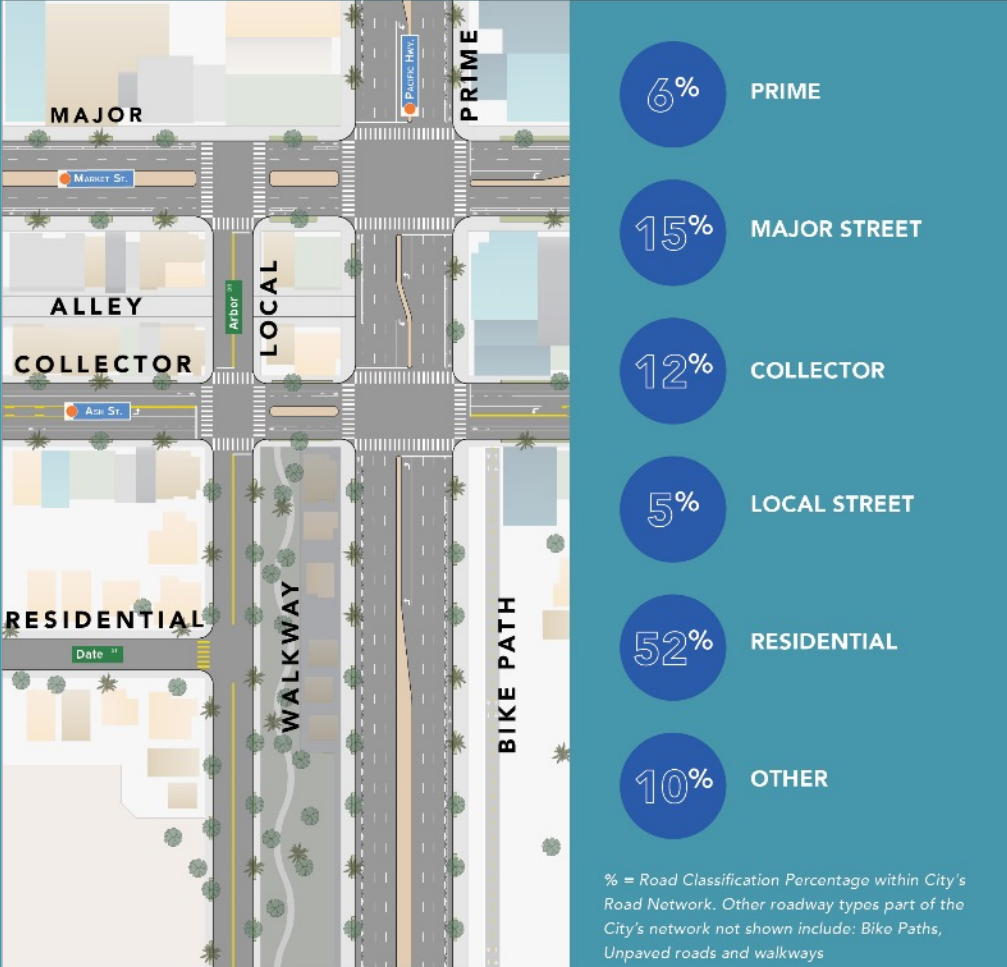


# Pavement Management Within the City of San Diego



# City Street Network

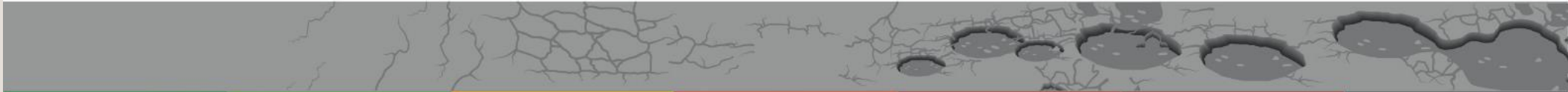
- 2<sup>nd</sup> largest street network in California
- >6,600 lane miles of street
  - Prime
  - Major
  - Collector
  - Local
  - Residential
  - Unimproved Streets and Alleys



# Pavement Maintenance and Repair Types



PAVEMENT CONDITION INDEX (PCI)



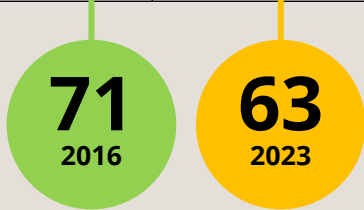
Good	Satisfactory	Fair	Poor	Very Poor	Serious	Failed
100 - 85	84 - 70	69 - 55	54 - 40	39 - 25	24 - 10	< 10



\$ = REPAIR COST

# 2023 Pavement Condition Assessment

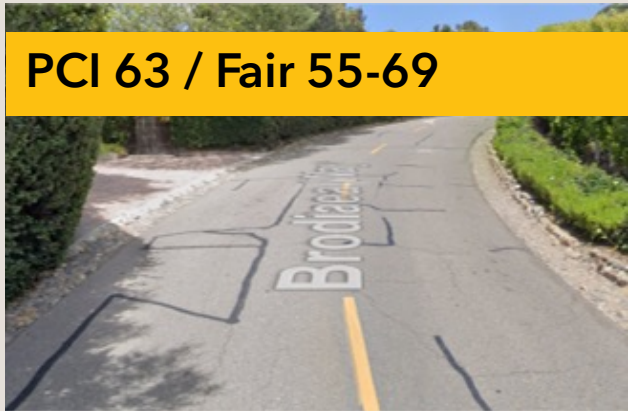
Condition	Good	Satisfactory	Fair	Poor	Very Poor	Serious	Failed
Range	100 - 85	84 - 70	69 - 55	54 - 40	39 - 25	24 - 10	< 10



\*Municipalities typically state a goal of a PCI of 70 or greater

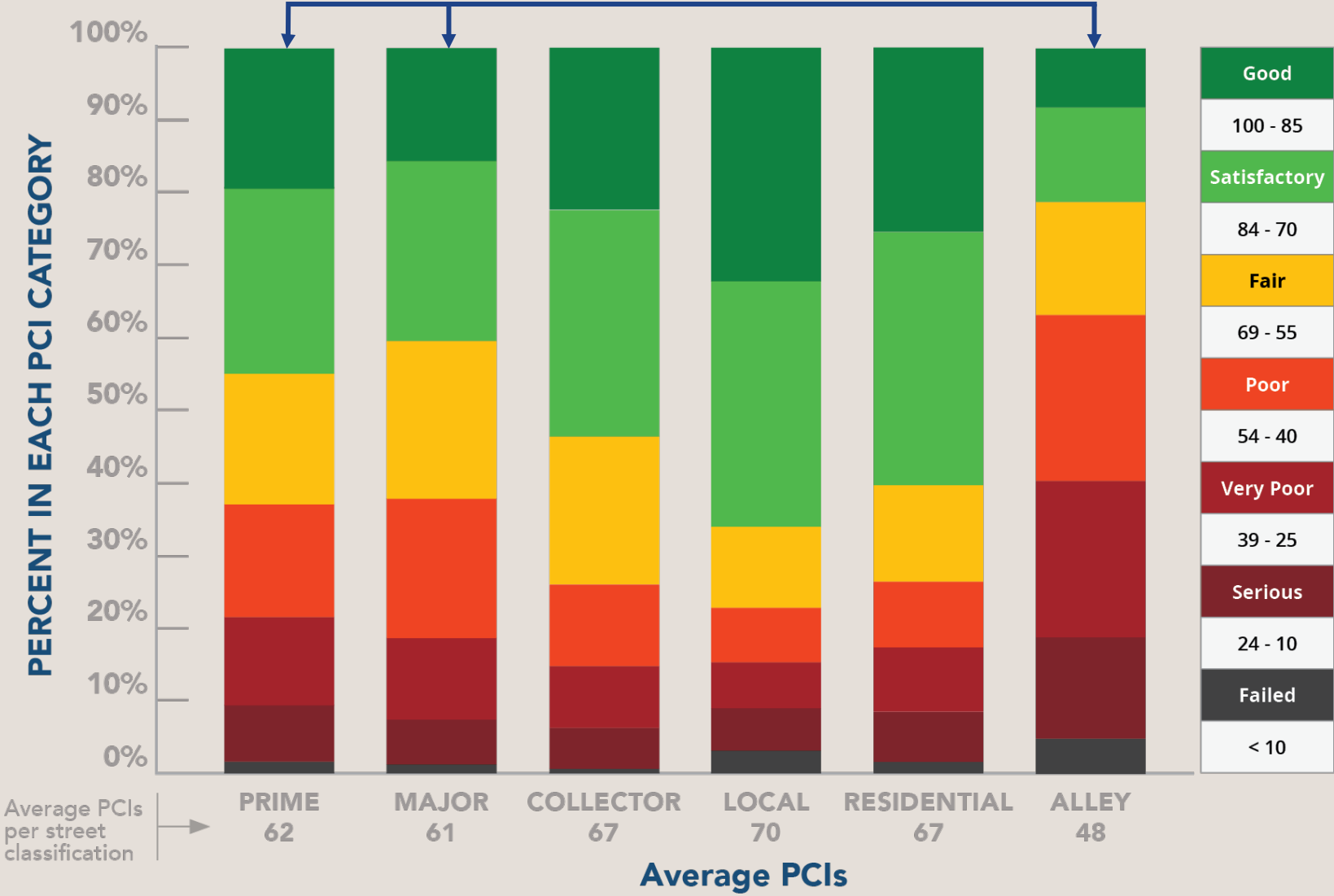
**PCI CALCULATION**

2016	2023
OCI = 60% PCI + 40% RCI	100% PCI



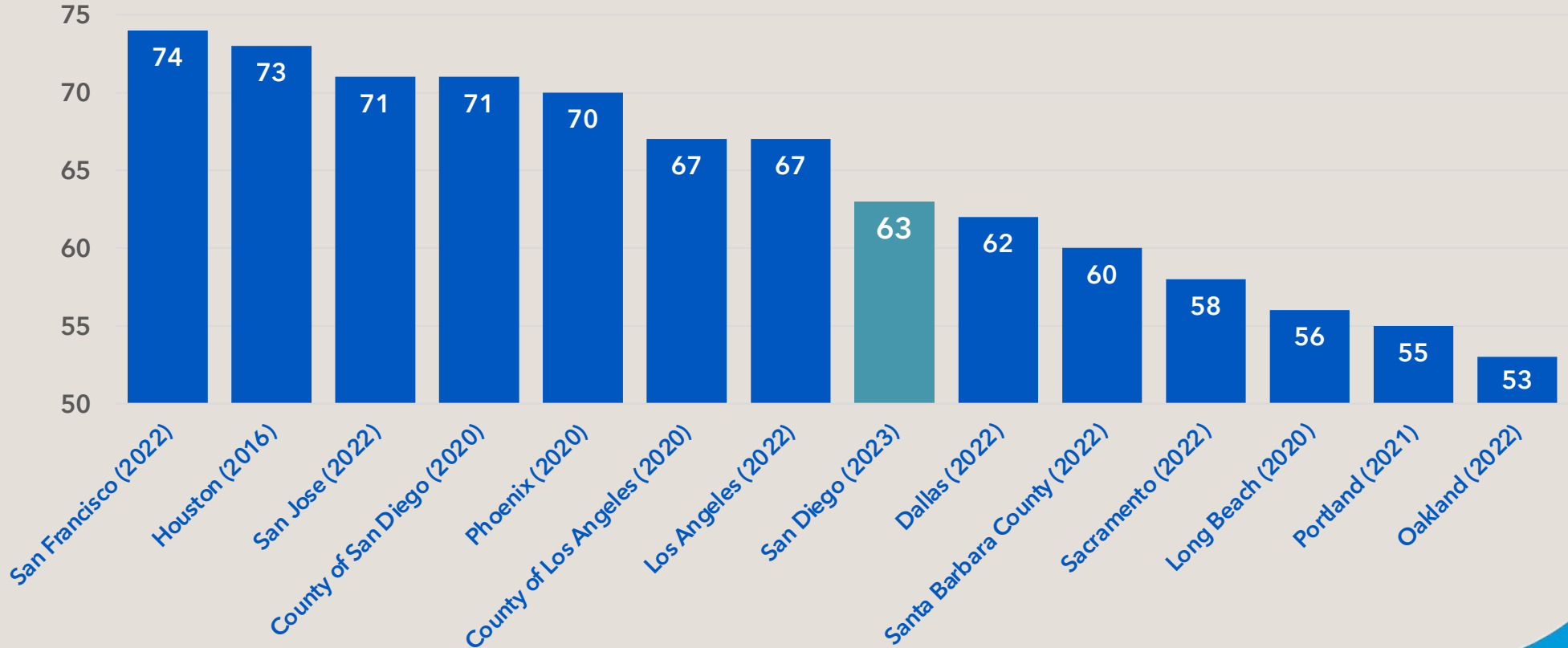
# Current Roadway Conditions

Classifications with largest % ranked "Poor" or lower; requires highest investment



# Street Condition Benchmarking

- Agencies with >70 PCI (San Francisco/San Jose)
  - Larger budget/mile than City of San Diego
  - Large, increasing investments

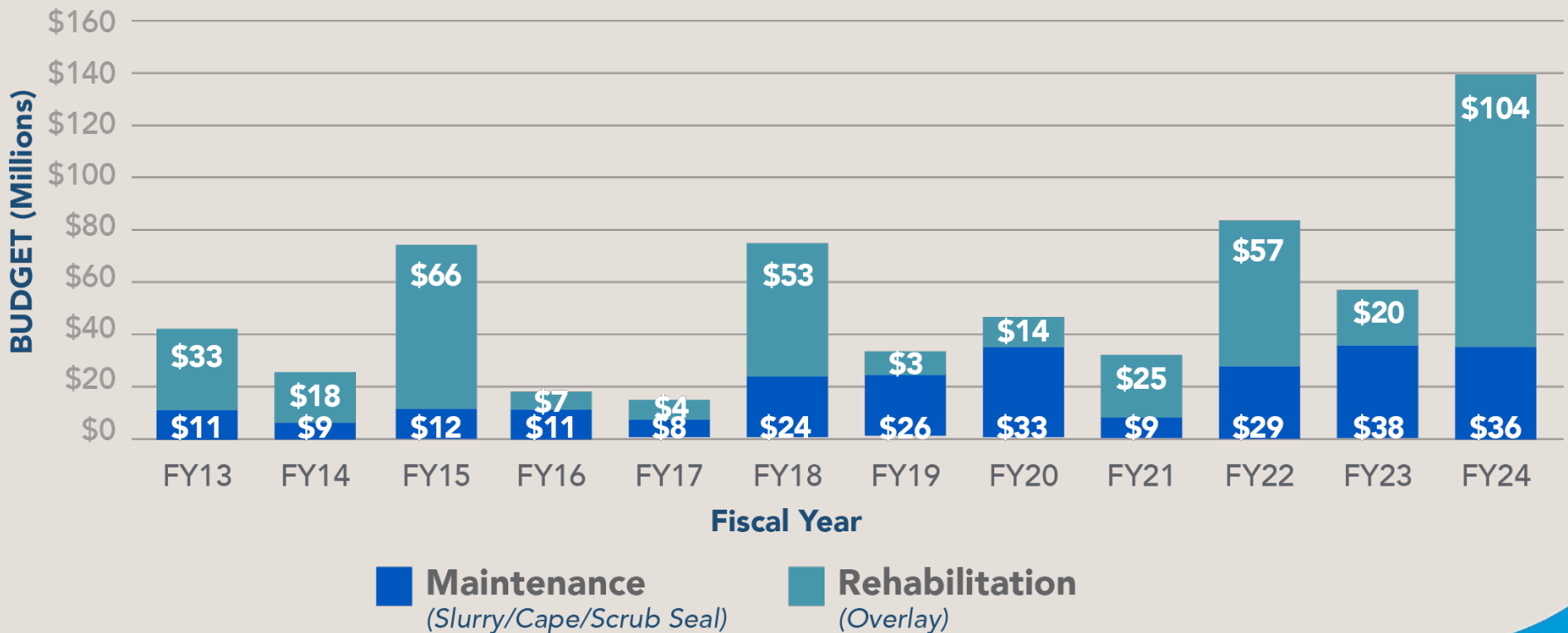


# Pavement Management Funding History

Historic Average Annual Funding: **\$46M**

Funding Sources:

- Gas Tax
- TransNet
- RMRA
- Trench Cut/Excavation Fee
- Infrastructure Fund
- Financing





# Street Selection Approaches



## Worst Streets First

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Prioritizes streets in the worst condition that are perceived as the roads that need maintenance and rehabilitation the most



## Most People Impacted (High ADT)

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Prioritizes more frequently traveled roads



## Best Value

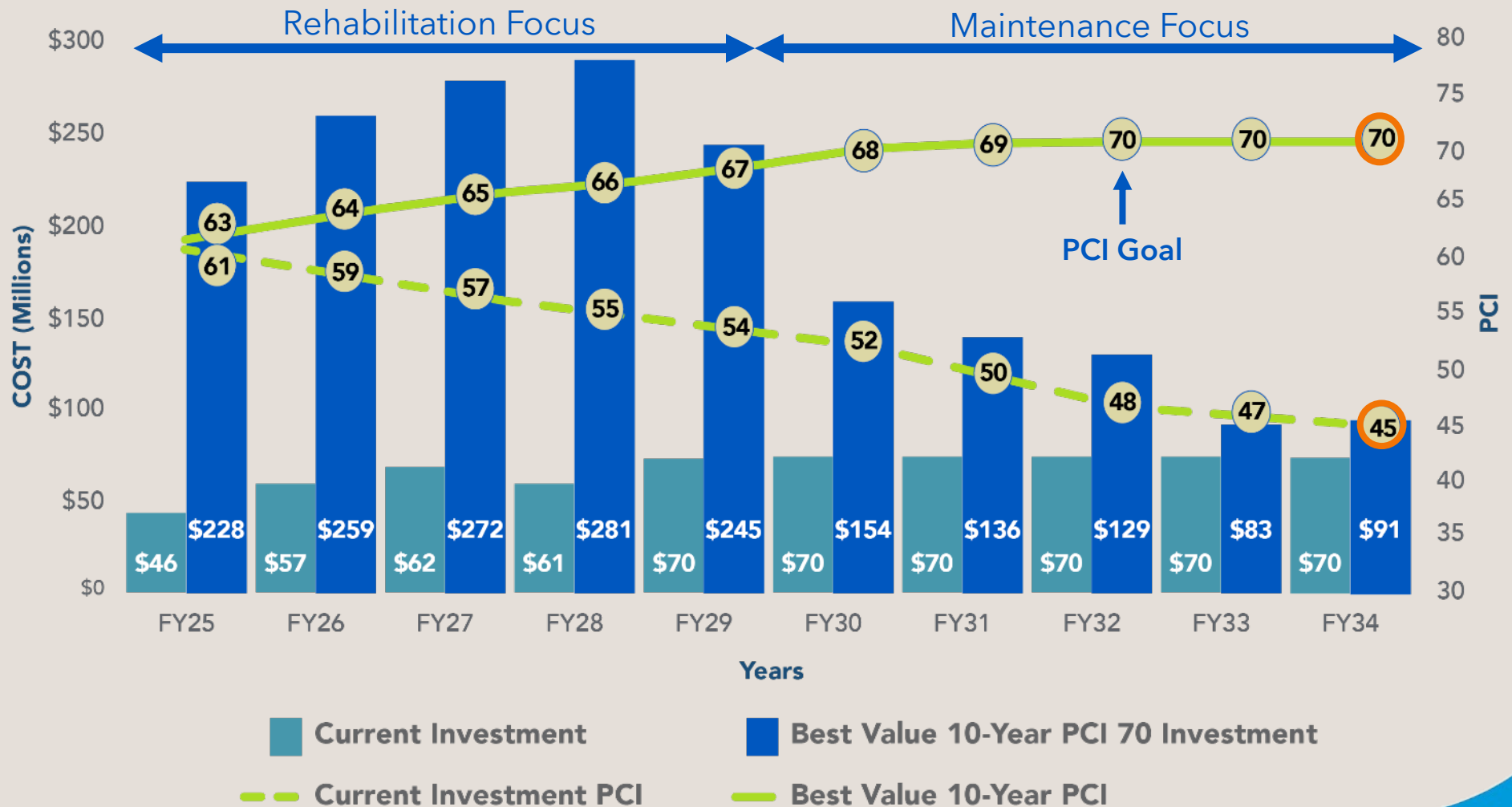
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Prioritizes streets before treatment cost is deferred and prioritizes streets in better condition; lowest investment needed

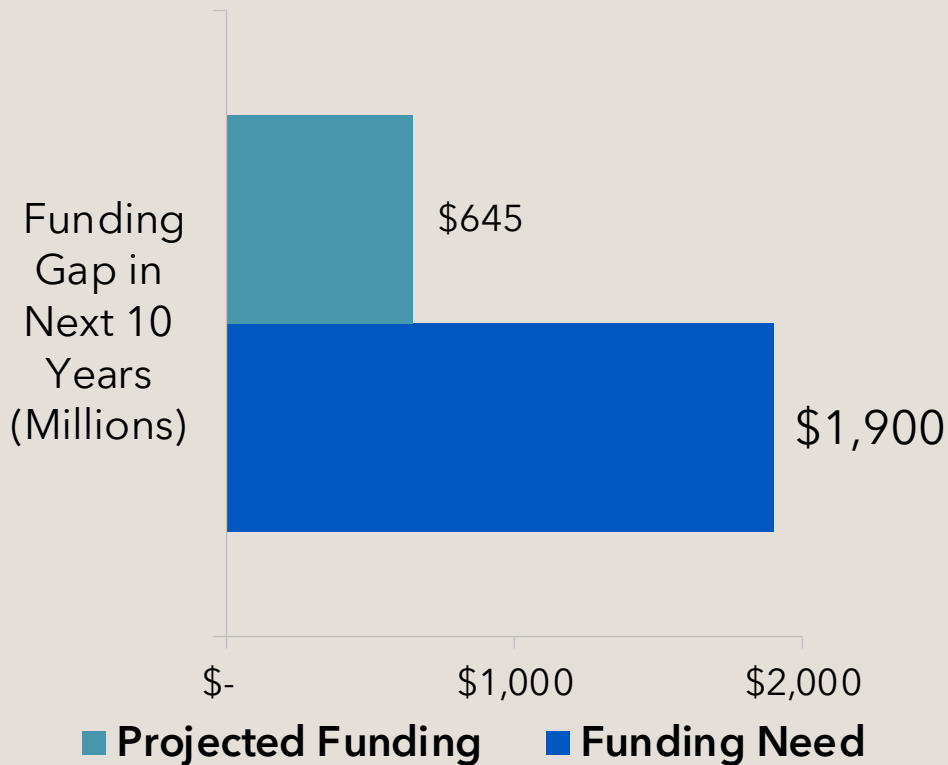


# Pavement Management Funding Need

- With current funding, PCI will continue to degrade pavement condition
- Total 10-year funding need is \$1.9B; average annual funding need is \$188M



## Funding Gap Summary



## Funding Gap

- 10 year Funding Gap is **LARGE**
  - \$1.2B for paving
  - \$46M for unimproved streets
  - \$1.25B total

## Funding Options

- Create new funding source

## Implementation Considerations

Beyond identifying a dedicated funding source, other considerations include:



- Scaling up City forces



- Limited paving contractors in the region

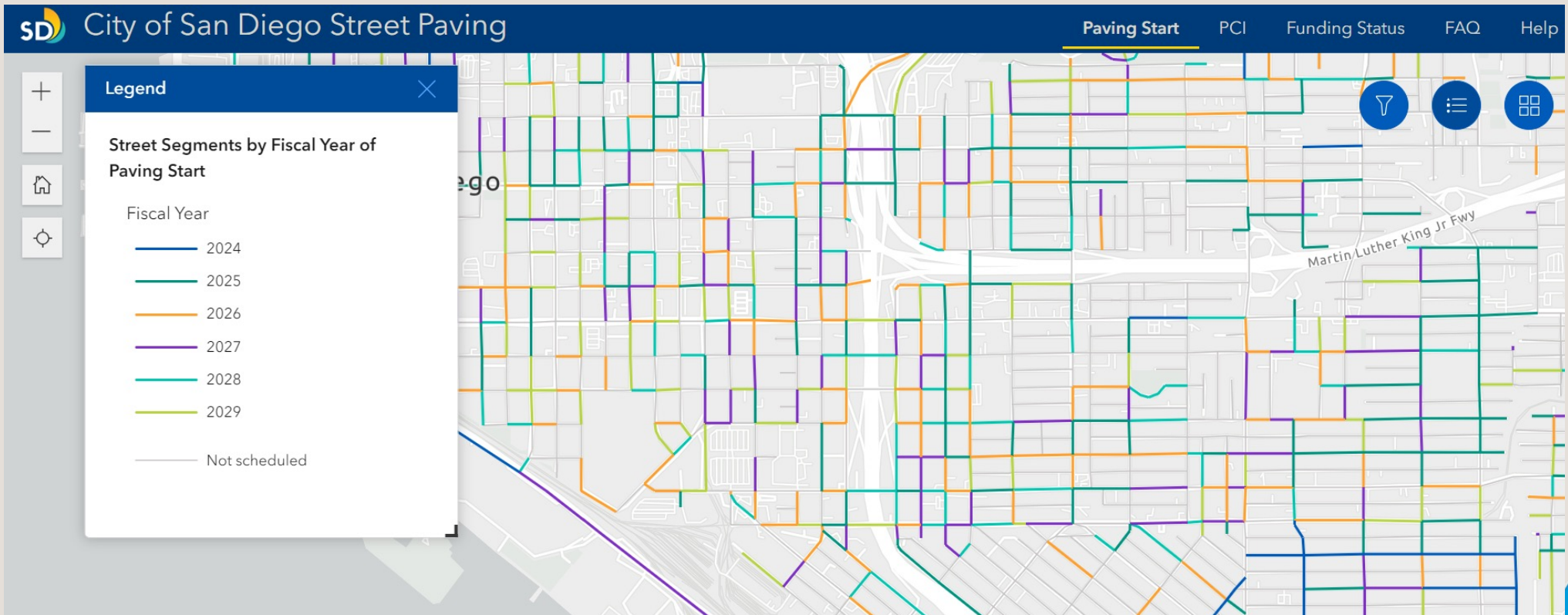


- Shortages in paving materials



## 5 Year Paving Plan & Streets SD Update

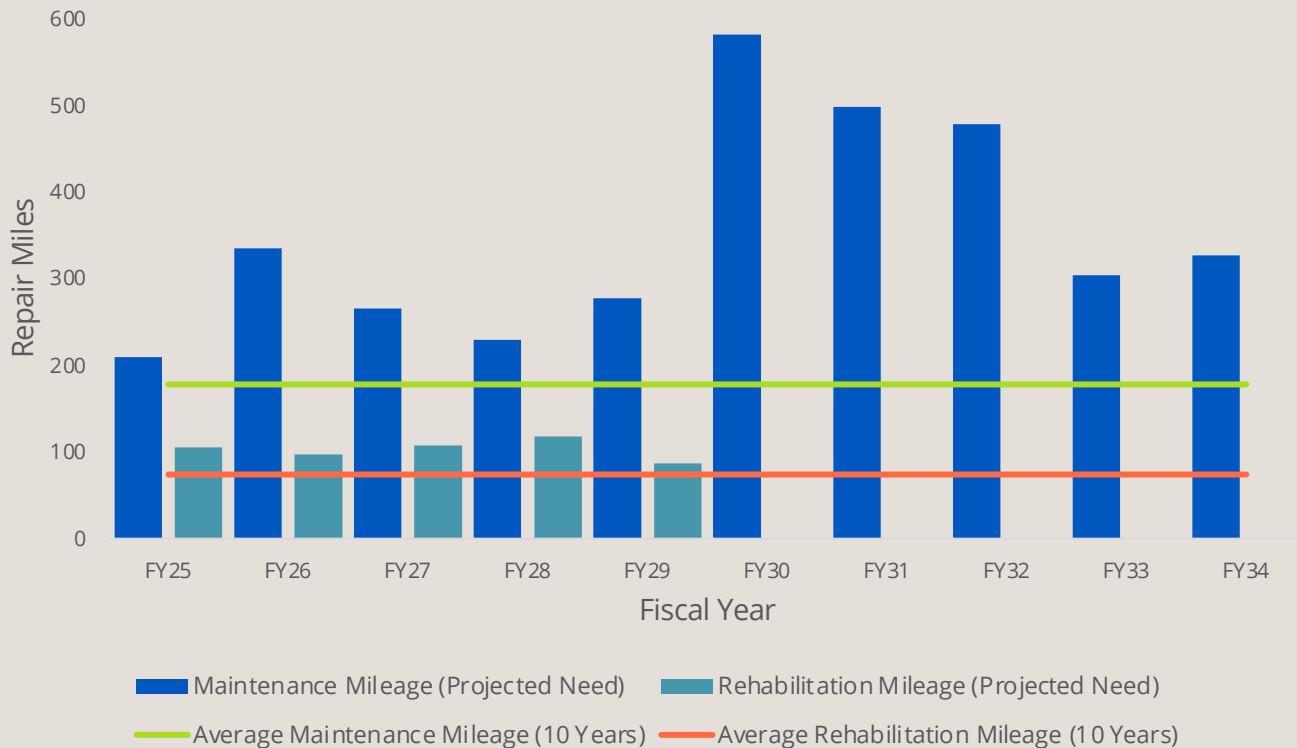
- Displayed on <https://streets.sandiego.gov/>
- Updated annually once funding is known



# 10- Year Mileage Projections

- Average mileage will need to increase by 60% over the 10 year period (400 mile average (projected) vs. 250 mile average (historic))

**Future Maintenance and Rehabilitation Mileage**



# Thank You

Bethany Bezak, Director, Transportation Department

<https://www.sandiego.gov/transportation/programs/pavement-management-plan>

