

# Pavement Maintenance Status Report and Funding Strategy Update

John Ristow

Director of Transportation

Rick Scott

Deputy Director, DOT

Frank Farshidi

Pavement Division Manager, DOT



Transportation and Environment Committee  
March 2, 2020

# “Grading” San Jose Street Conditions

<b>Major Streets</b> (944 miles; PCI 75)	
<b>A, B</b> Good to Excellent	<b>70%</b>
<b>C</b> At Risk to Fair	<b>20%</b>
<b>D, F</b> Poor to Failed	<b>10%</b>

<b>Local Streets</b> (1490 miles; PCI 60)	
<b>A, B</b> Good to Excellent	<b>37%</b>
<b>C</b> At Risk to Fair	<b>33%</b>
<b>D, F</b> Poor or Failed	<b>30%</b>

“Grades” based on 2019 PCI Ratings

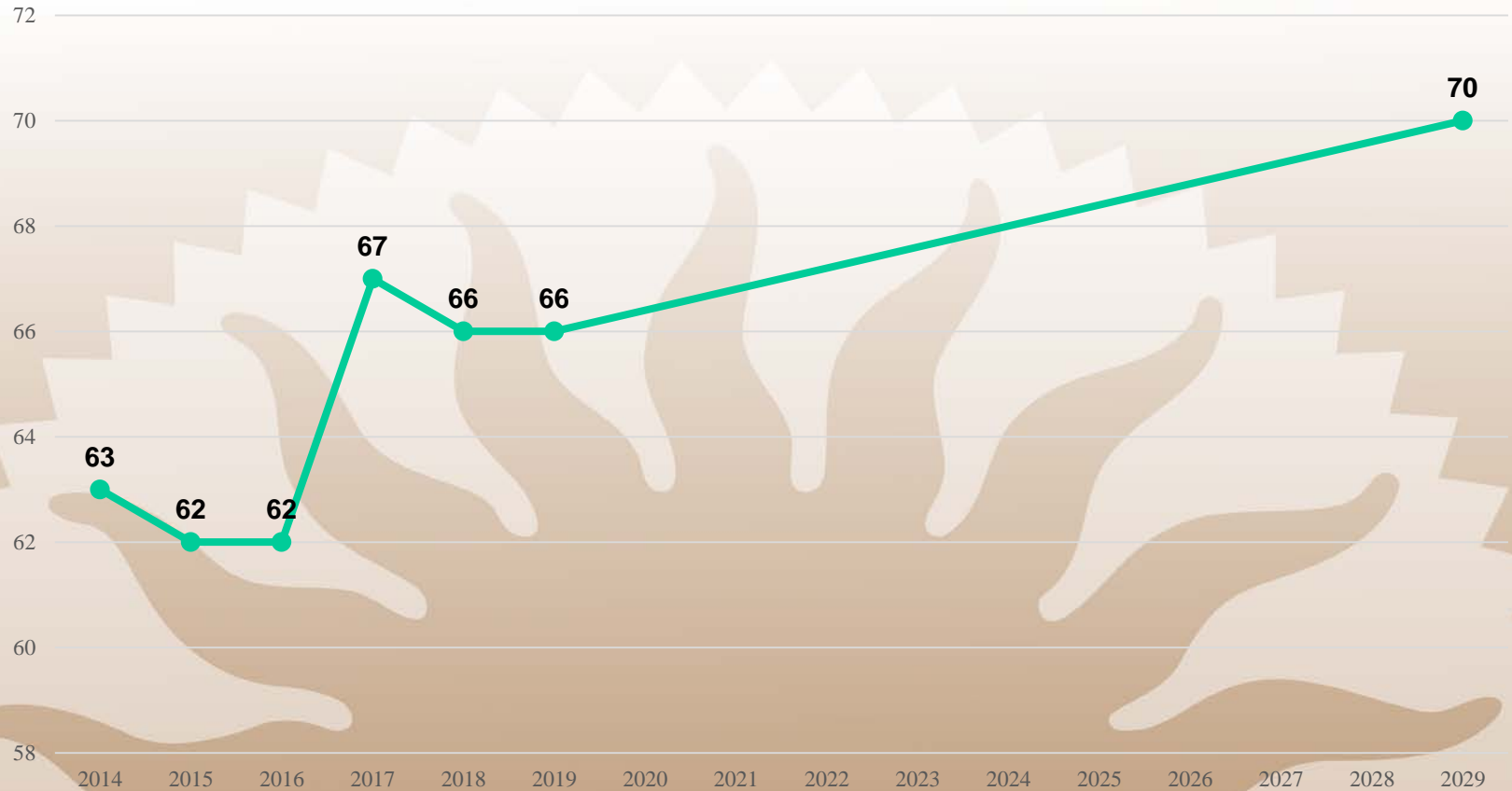
# Pavement Condition Overview

Street Network	Miles	2019 PCI	2020 PCI	Total PCI Change
Major	944	75	75	0
Local/Neighborhood	1,490	60	60	0
<b><i>Combined</i></b>	<b><i>2,434</i></b>	<b><i>66</i></b>	<b><i>66</i></b>	<b><i>0</i></b>

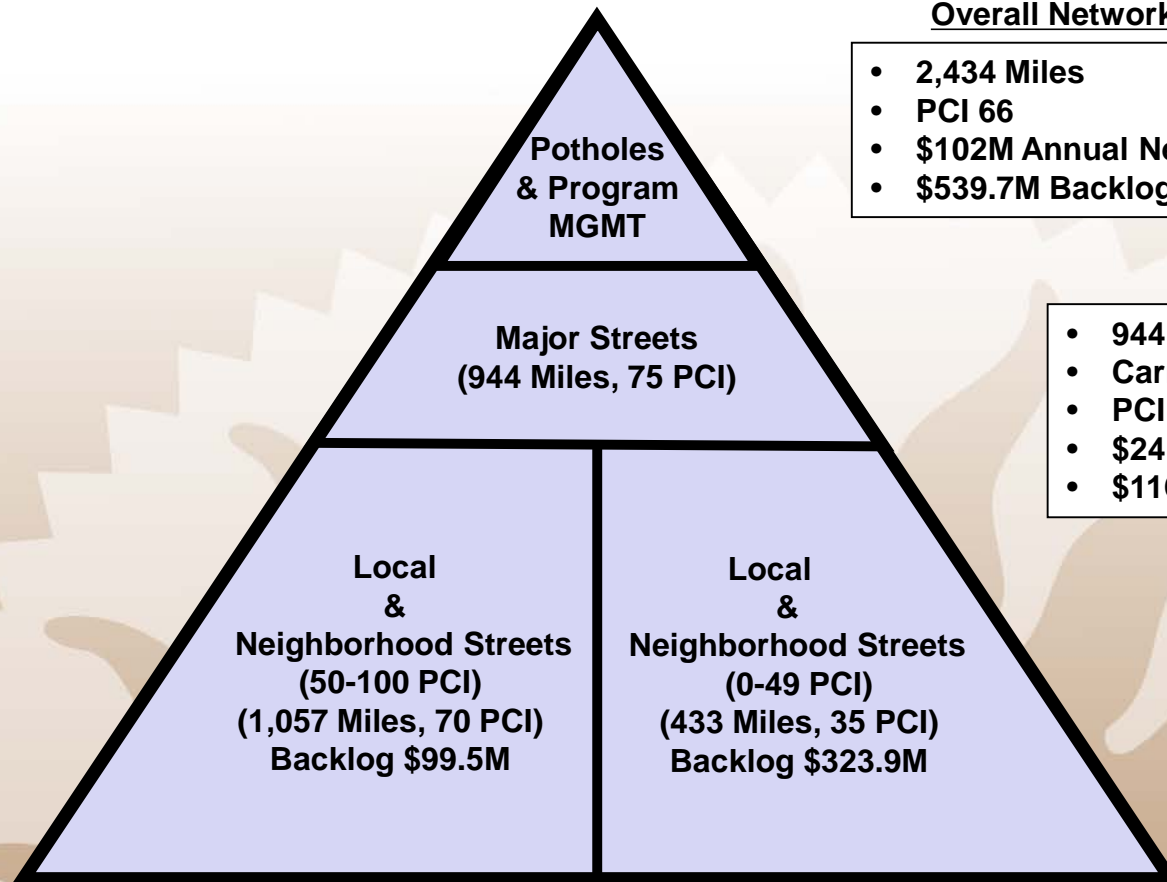
# Pavement Condition Index (PCI)

## Target PCI 70

PCI



# Pavement Needs and Funding



## Overall Network

- 2,434 Miles
- PCI 66
- \$102M Annual Need
- \$539.7M Backlog

## All Major Streets

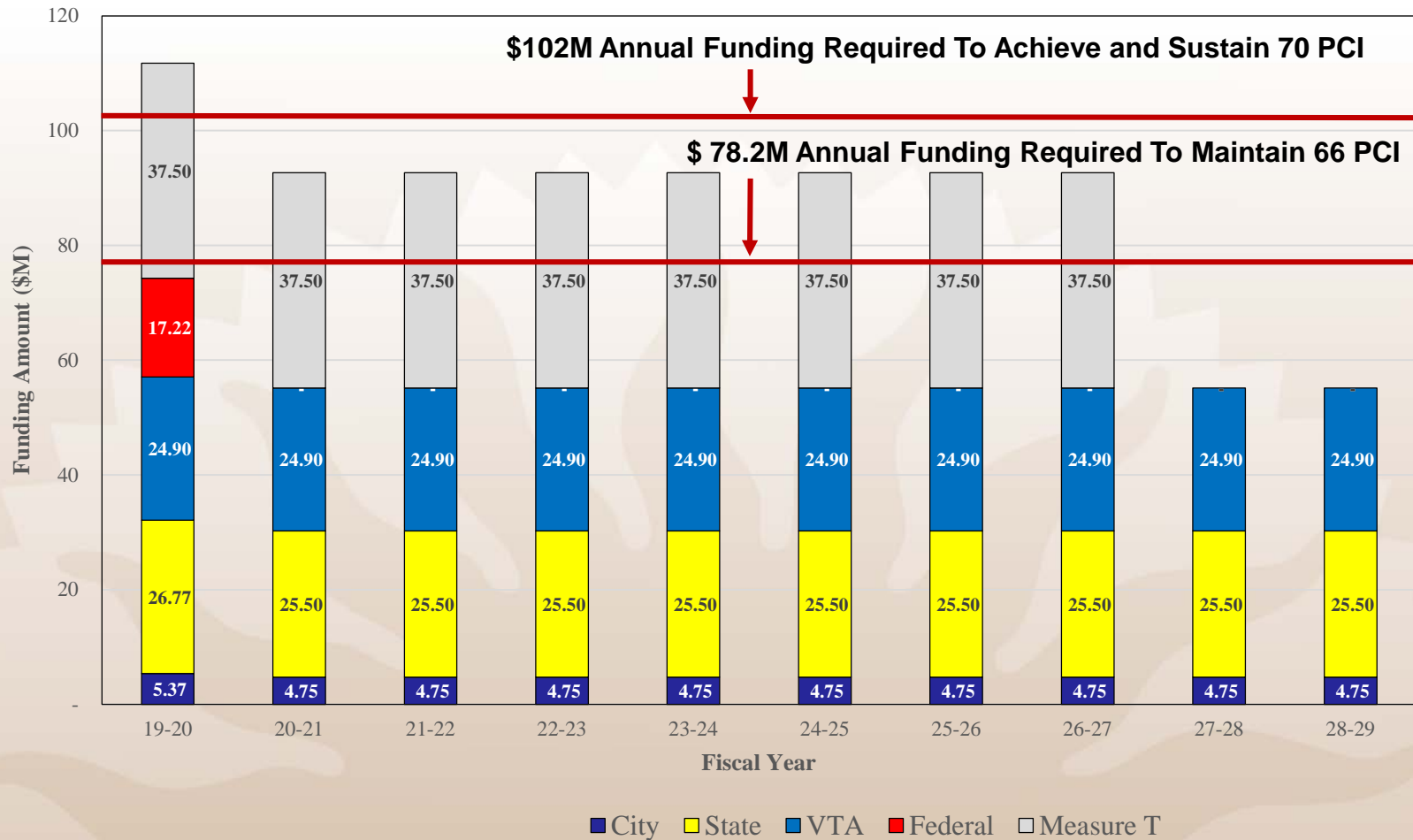
- 944 Miles
- Carries Over 85% of Traffic
- PCI 75
- \$24.5M Annual Need
- \$116.3M Backlog

## Local Streets

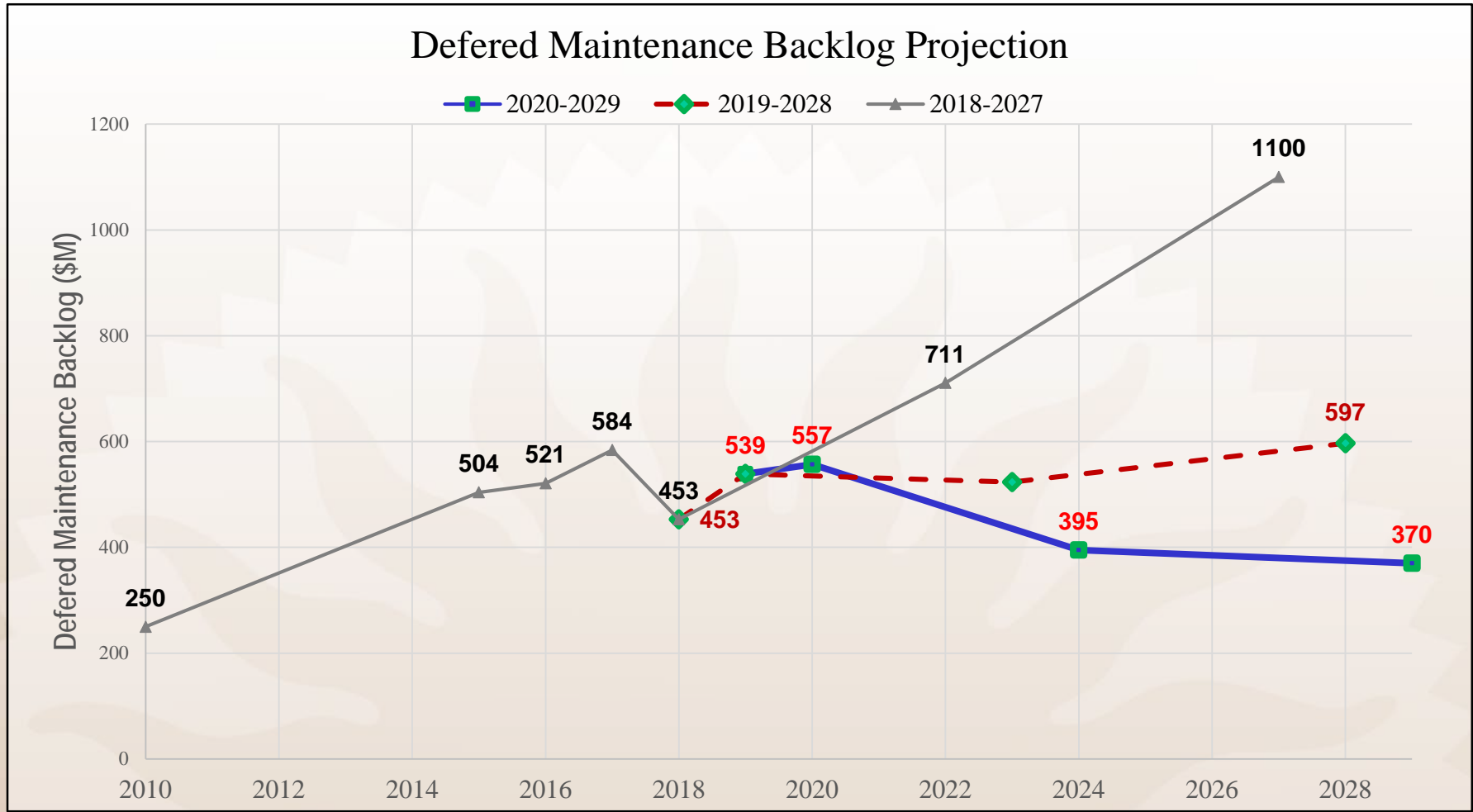
- 1,490 Miles
- PCI 60
- \$70.5M Annual Need
- \$423.4M Backlog

# 10-Year Funding Status

## Pavement Funding Projections



# Cost to Recover Based on Current Funding Level



# Pavement Production History





# Pavement Pipeline: 2020 Season

Major Streets Award Date	Project	Miles
March 10	Concrete and ADA Ramps (Sealing Prep)	
March 17	Asphalt Concrete Remove Replace (Sealing Prep)	
April 21	Arterial Sealing	34
April 14	Arterial Resurfacing	13
TBD	OBAG 2	30
<b>Total Major Streets</b>		<b>77</b>
Local & Neighborhood Streets Award Date	Project	Miles
N/A	Minor Concrete and ADA Ramps (8 projects)	
April 7	Concrete and ADA Ramps #1	
April 14	Concrete and ADA Ramps #2	
April 21	Asphalt Concrete Remove Replace (Sealing Prep)	
April 14	Local Streets Resurfacing #1	19
April 28	Local Streets Resurfacing #2	19
May 19	Local Streets Resurfacing #3	17
June 2	Local Streets Resurfacing #4	17
May 19	Local Streets Sealing	56
<b>Total Local &amp; Neighborhood Streets</b>		<b>128</b>
<b>Total Combined Major + Local &amp; Neighborhood</b>		<b>205</b>

# Local & Neighborhood Streets - Examples



**Salamoni Ct: PCI 87, 2008 2" Overlay**



**Boncheff Dr: PCI 66, 2001 Chip Seal**



**Rinehart Dr: PCI 46, 1997 Chip Seal**



**Eighth St: PCI 23, 1990 Chip Seal**



# Local & Neighborhood Streets

## 135 Pavement Maintenance Zones

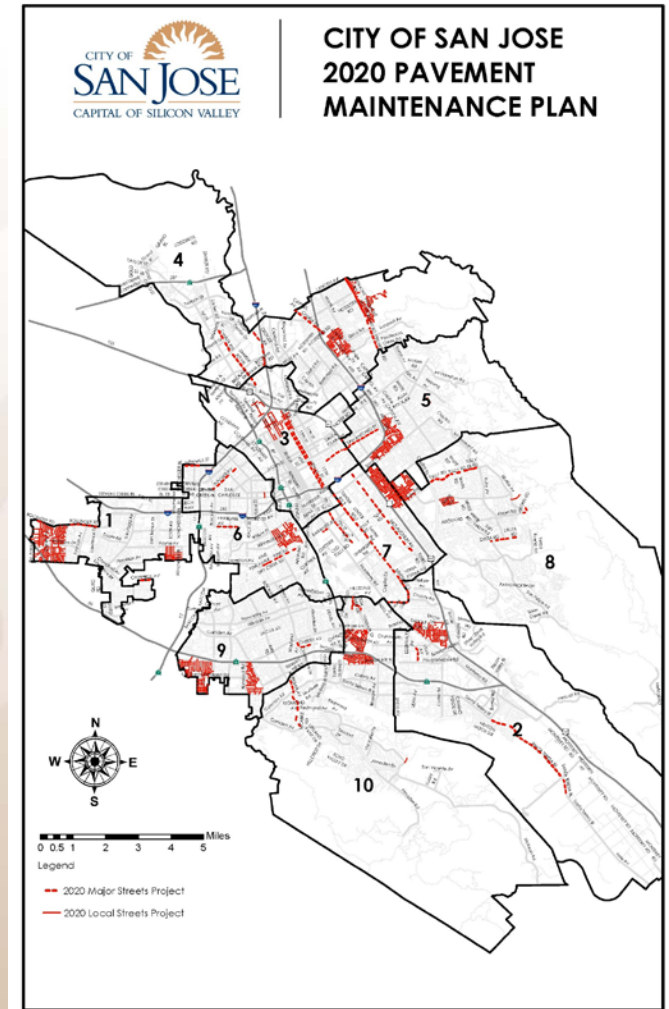
- Geographically contiguous
- Efficient planning and delivery of paving projects
- Maximize work completed in a neighborhood area
- Provide geographic spread across the City.



# Local & Neighborhood Streets

## 2020 Projects

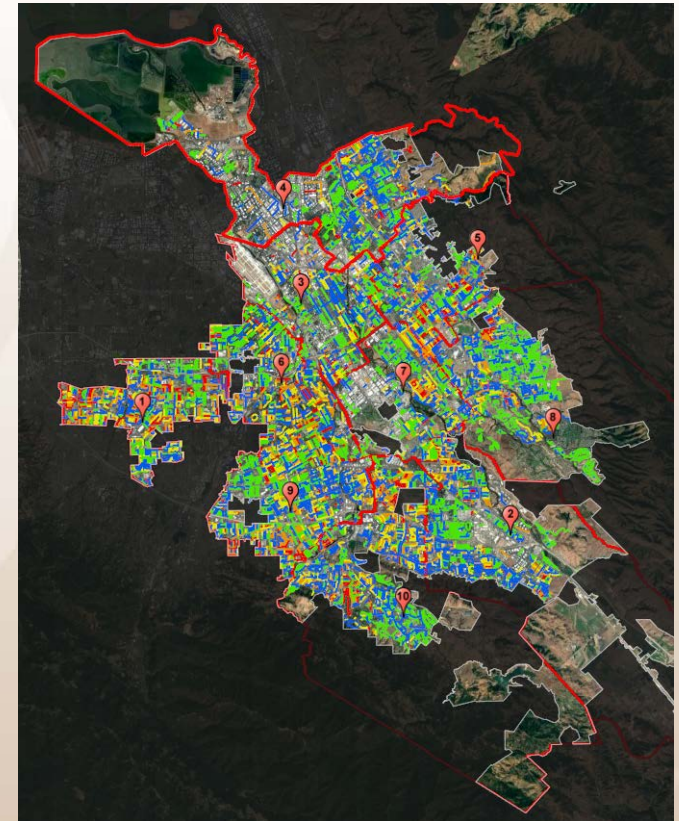
- 8 minor construction projects (ADA prep)
- 8 major construction projects
  - (3 prep, 1 sealing, 4 resurfacing)
- Address nearly 128 miles (16 zones)
- Total funding: \$56.4 million
  - 2016 VTA Measure B (approx. \$18.9 million), and
  - 2018 San Jose Measure T (approx. \$37.5 million)
- Focused on maintenance zones “poor and failed” to maximize cost-effective treatment



# Local & Neighborhood Streets

## *Augmented by Measure T: 2020-2028*

- Remaining balance of 1,295 miles (estimated) in 116 Zones to be maintained
- Leverage all funding sources to appropriately maintain all residential streets by 2028
- Continue to Factor:
  - Street condition
  - Planned development and safety projects
  - Community and council feedback
  - Multi-year geographic spread across the City and Street Network
- Three-Year Pavement Plan issued annually





# Our New Reality

- **Investments have yielded results**
  - Major Streets have maintained an average 75 PCI
- **Funding has significantly improved**
  - Sufficient to properly maintain Major Streets network in “good” condition
  - Goal to ensure all Local & Neighborhood Streets will be maintained by 2028
  - PCI projected to increase to 70 by 2029
- **DOT continues to deliver**
  - 205 miles of street pavement projects in 2020
  - Exploring innovative tools in procurement and pavement materials



Empire St, post-sealing 2019



Nieman Blvd, post-resurfacing 2019

# Pavement Maintenance Status Report and Funding Strategy Update

## Summary

- Pavement Condition & Funding
- 2020 Project Delivery Strategy
- Three-year Plan & Coordination

