



Community Meeting



**WELCOME**  
City of Turlock Roads Program

# MEETING AGENDA

- Background of Roads Program
- Summary of the Pavement Management Report
- Wrap-up

# BACKGROUND OF OUR ROADS PROGRAM

- Turlock's road infrastructure has deteriorated over time. City Council expressed fixing the roads as a top priority.
- In November 2020, Measure A passed: a  $\frac{3}{4}$ -cent sales tax measure for general city services.
- Turlock City Council approved 50% of Measure A money to go toward road rehabilitation in 2021-2022 (approx. \$5.6 million).
- The Pavement Management Report was completed to assess existing conditions, and 15 roads were highlighted as priority for repair.
- These 15 roads will be repaired over the next year.

# PAVEMENT MANAGEMENT REPORT

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*Presented to City Council on May 17, 2022*

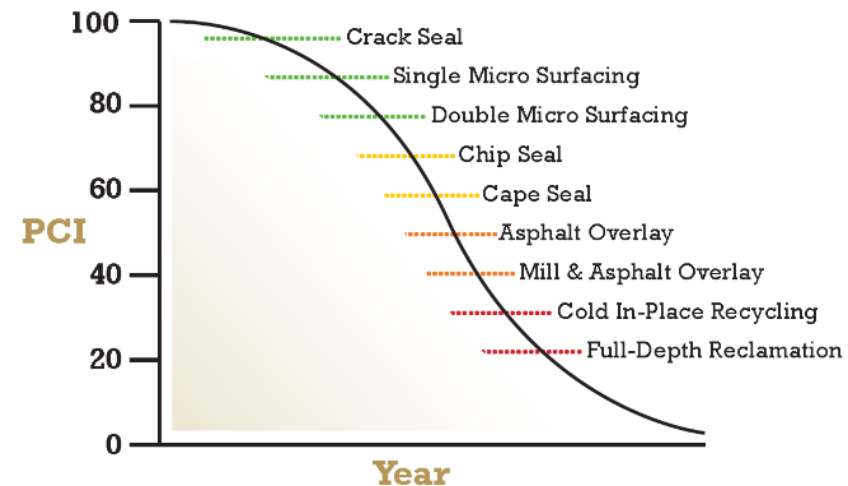
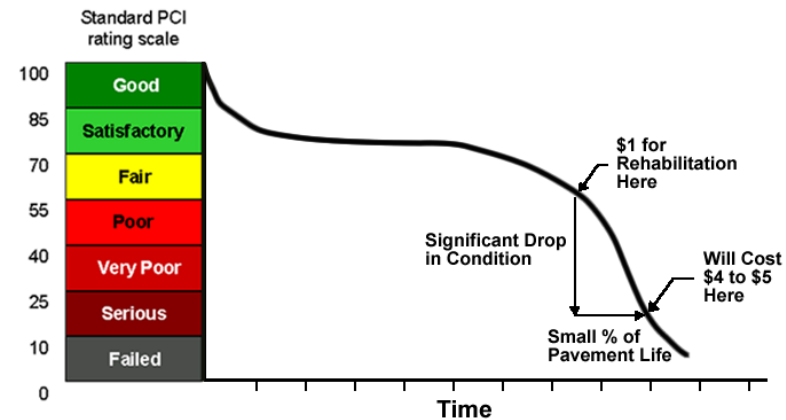
- Before determining a plan to fix the roads, we need to know the existing condition of the roads. Michael Baker International was hired to complete this diagnostic.
- A series of data collection and testing was conducted to measure pavement distress to determine what roads need the most attention. Findings are in the Pavement Management Report.
  - Tests: LiDAR, LCMS, GPR, Coring & Soil Testing
- PCI = Pavement Condition Index (0-100)
  - Grades the overall health of a street's pavement.
  - 80 or higher means "State of Good Repair."

# PAVEMENT MANAGEMENT REPORT

*Presented to City Council on May 17, 2022*

## Pavement Preservation

- The **worse the pavement** condition is, the **more expensive treatment** is required to restore the pavement to **good** condition
- Pavement preservation is most **effective** when a pavement is **structurally sound** and exhibits little or no distress
- Considerably **less expensive** compared to resurfacing or reconstruction projects

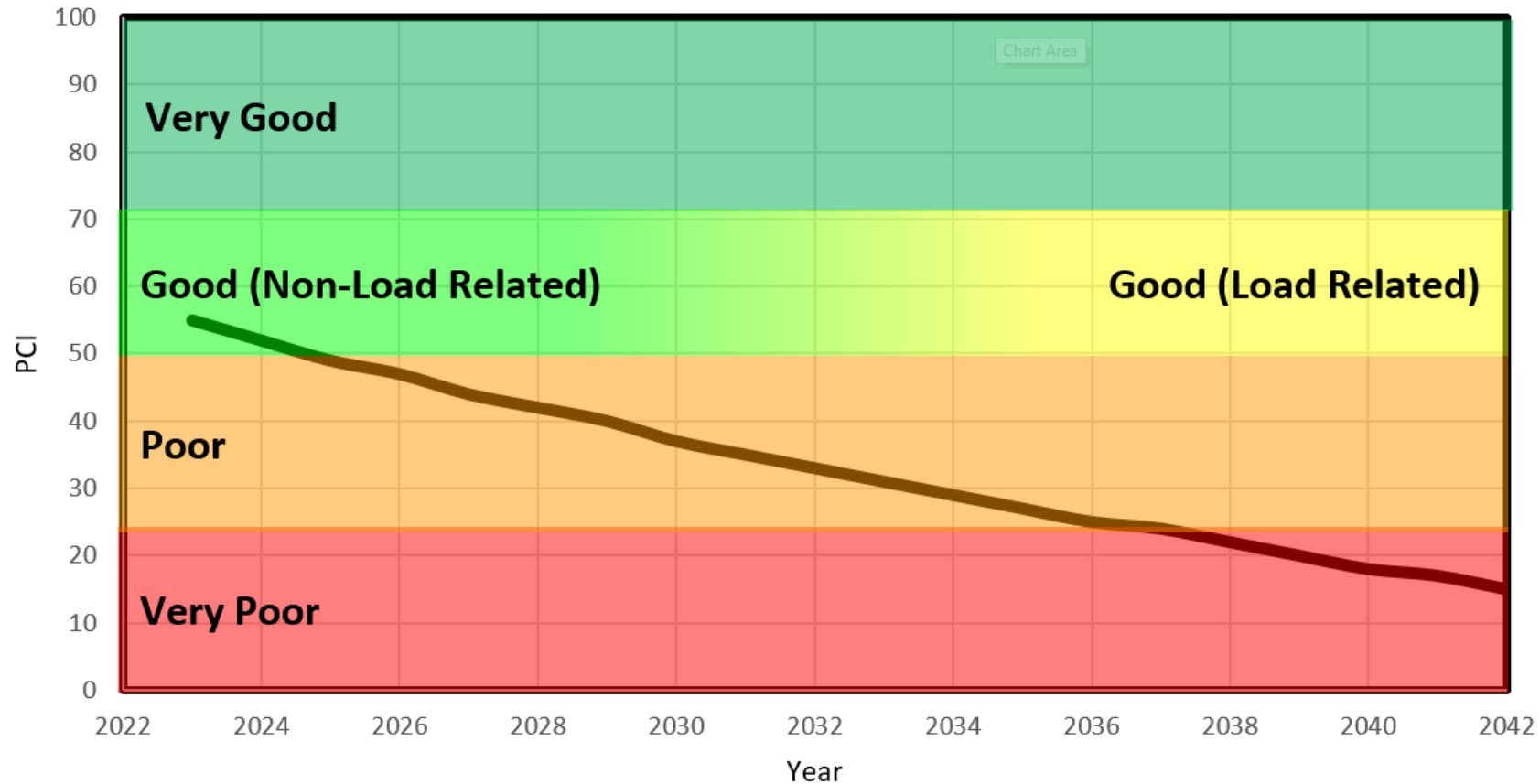




# PAVEMENT MANAGEMENT REPORT

*Presented to City Council on Sept. 13, 2022*

Predicted PCI from 2022 to 2032

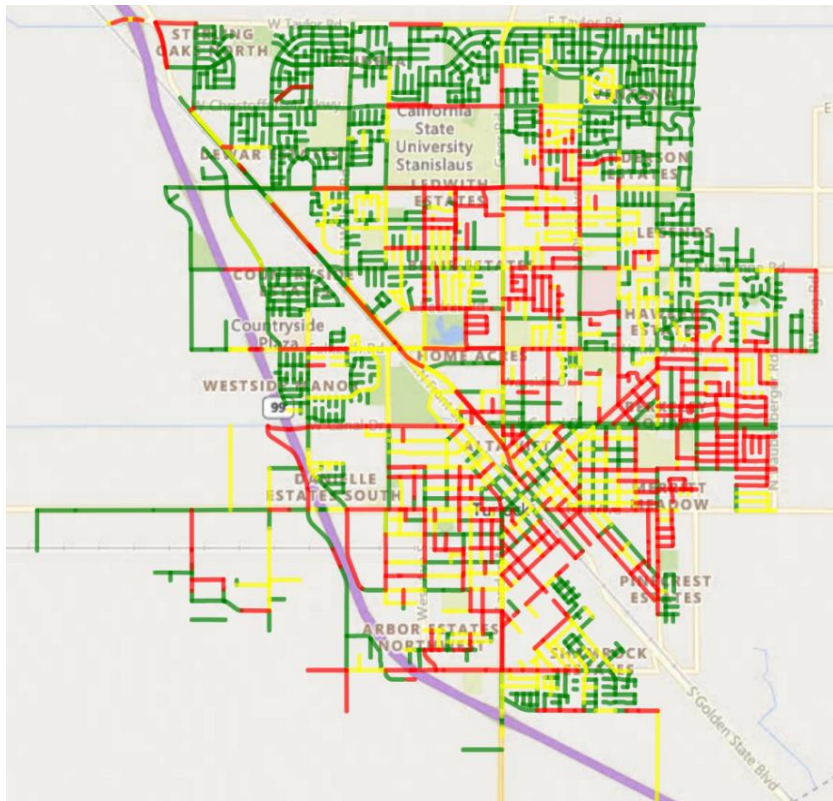


Pavement Deterioration over Time with No Funding

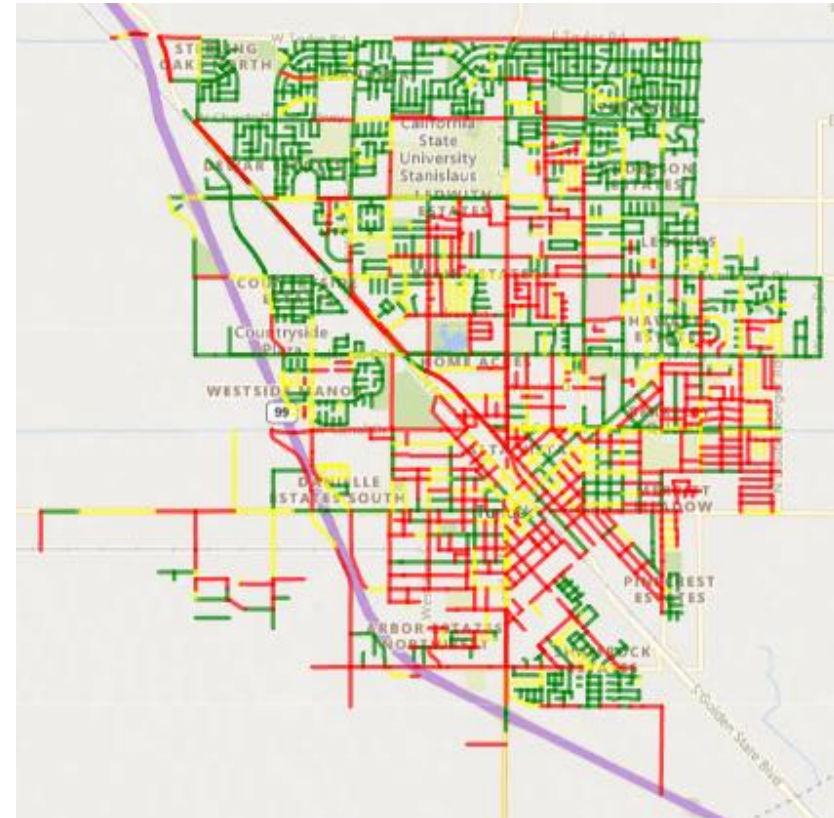
# PAVEMENT MANAGEMENT REPORT

*PRESENTED TO CITY COUNCIL ON MAY 17, 2022*

- Over 500 miles of road were tested. Average PCI is 62, worse than 2013.



2013 (PCI = 69)

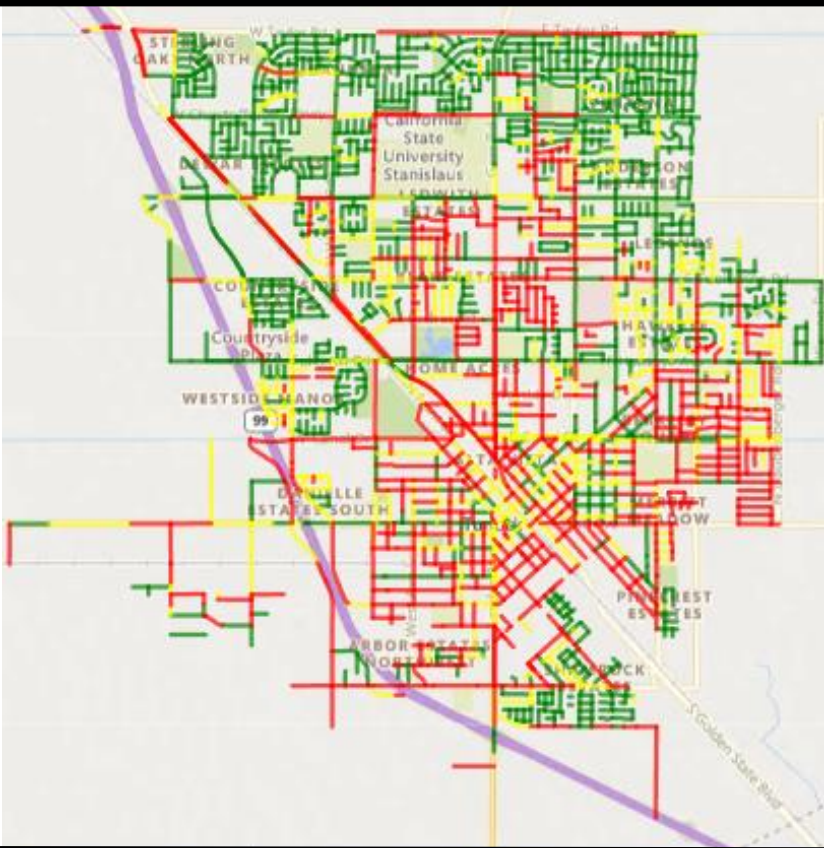


2022 (PCI = 62)

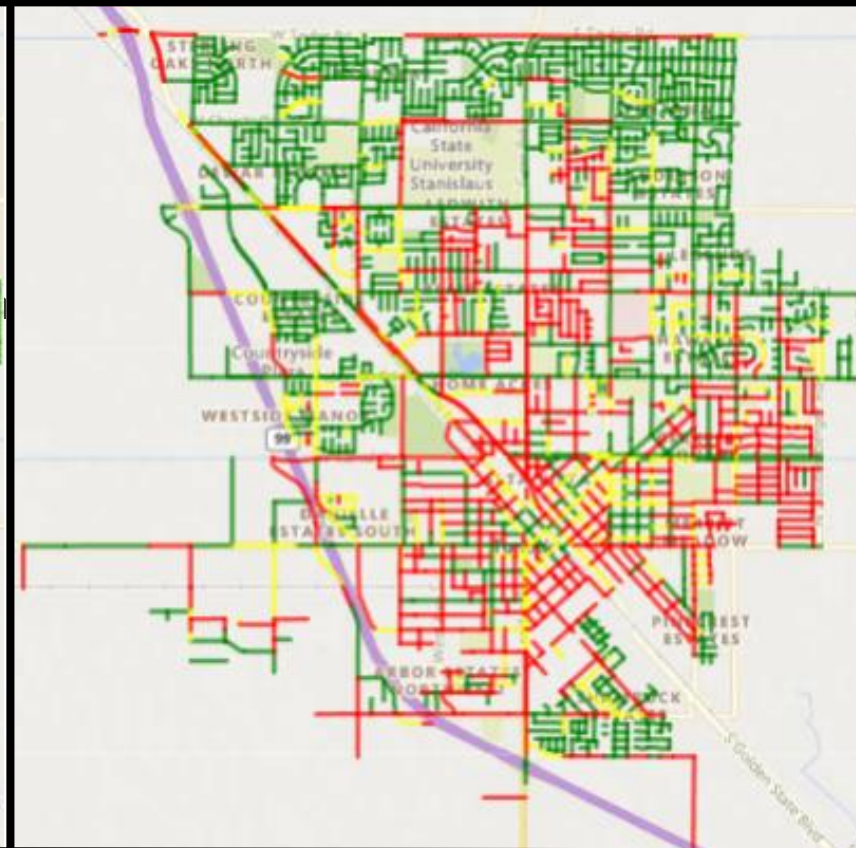


# PAVEMENT MANAGEMENT REPORT

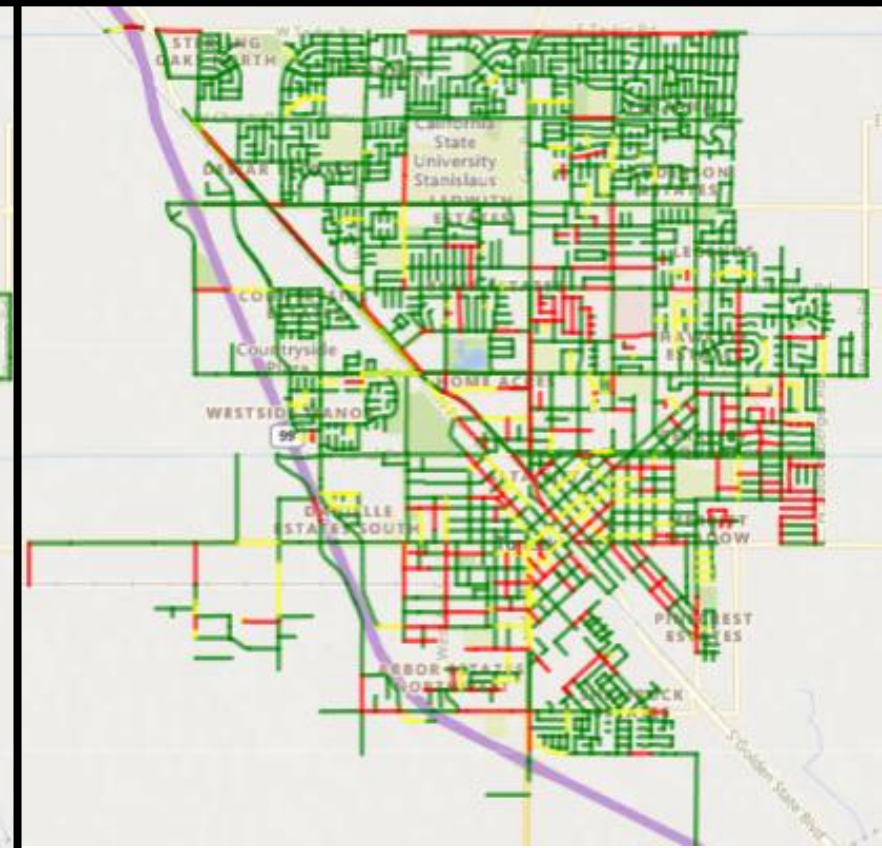
*Presented to City Council on May 17, 2022*



2027 w/ no funding (PCI = 50)



2027 w/ \$53M funding (PCI = 59)



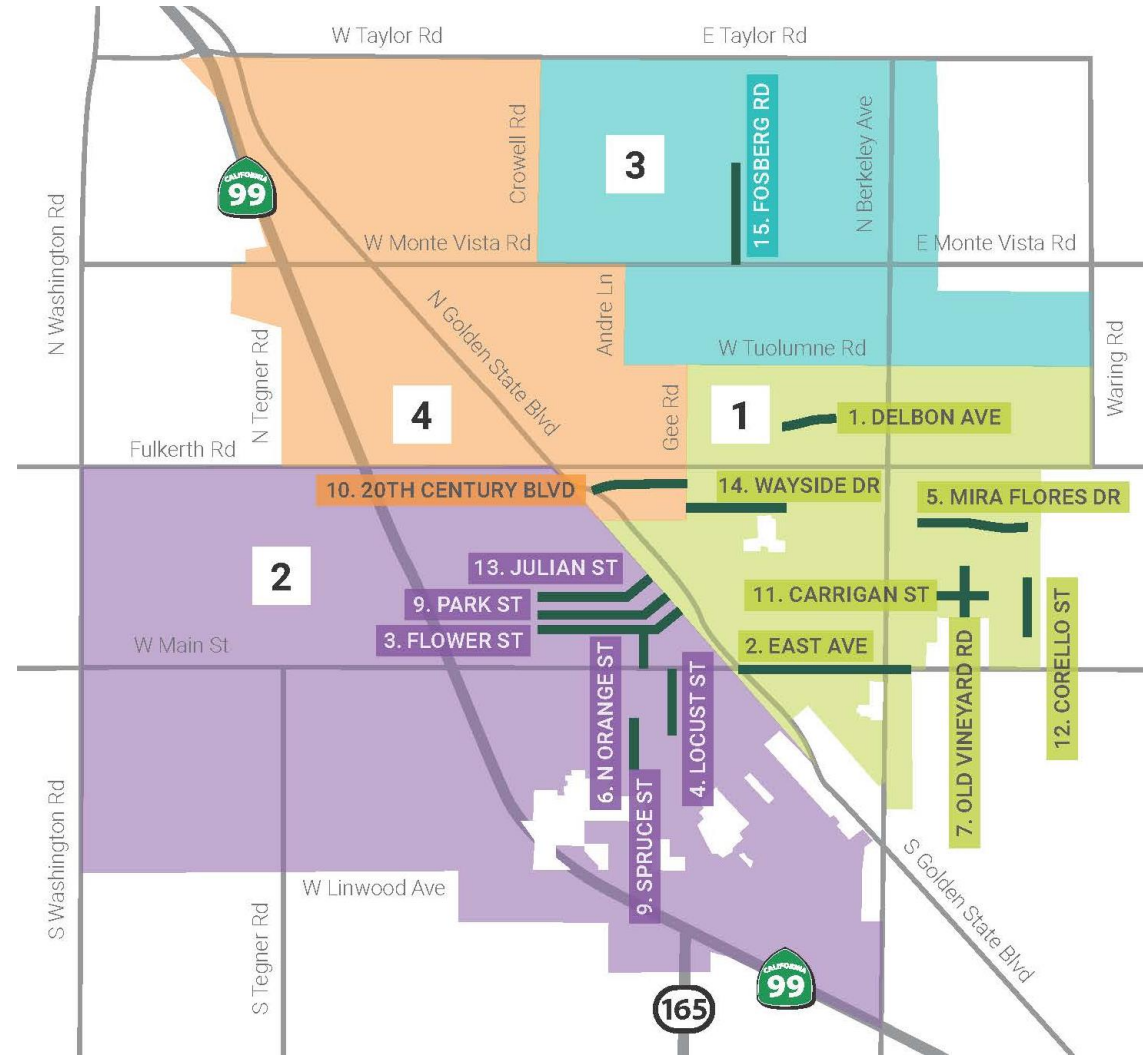
2027 w/ \$223M funding (PCI = 80)



# PAVEMENT MANAGEMENT REPORT





*Presented to City Council on May 17, 2022*

- Five-year Capital Improvements Program (CIP) developed to repair streets.
- CIP – logical, cost effective and allows more streets to be repaired.
- 15 streets identified as the first to undergo significant repair.



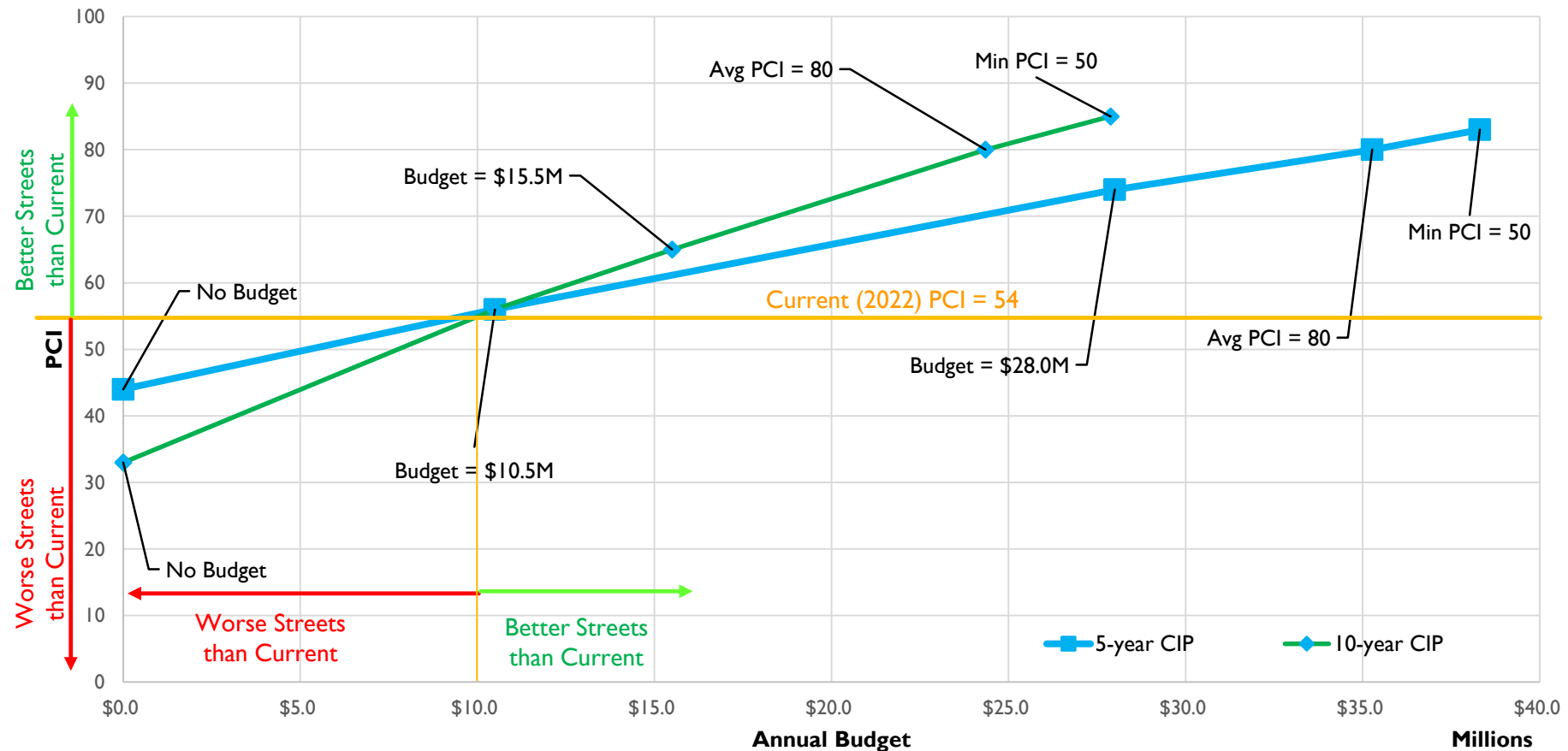
1. Delbon Ave – District 1
2. East Ave – District 1
3. Flower St – District 2
4. Locust St – District 2
5. Mira Flores Dr – District 1
6. N Orange St – District 2
7. Old Vineyard Rd – District 1
8. Park St – District 2
9. Spruce St – District 2
10. 20th Century Blvd – District 4
11. Carrigan St – District 1
12. Corello St – District 1
13. Julian St – District 2
14. Wayside Drive – District 1 and boundaries of a county island
15. Fosberg Rd – District 3

**LEGEND**

	DISTRICT 1
	DISTRICT 2
	DISTRICT 3
	DISTRICT 4

# TURLOCK PAVEMENT NETWORK CONDITION OVERVIEW

Annual Budget vs. Final Network PCI for 5- and 10-Year Capital Improvement Plan (CIP)








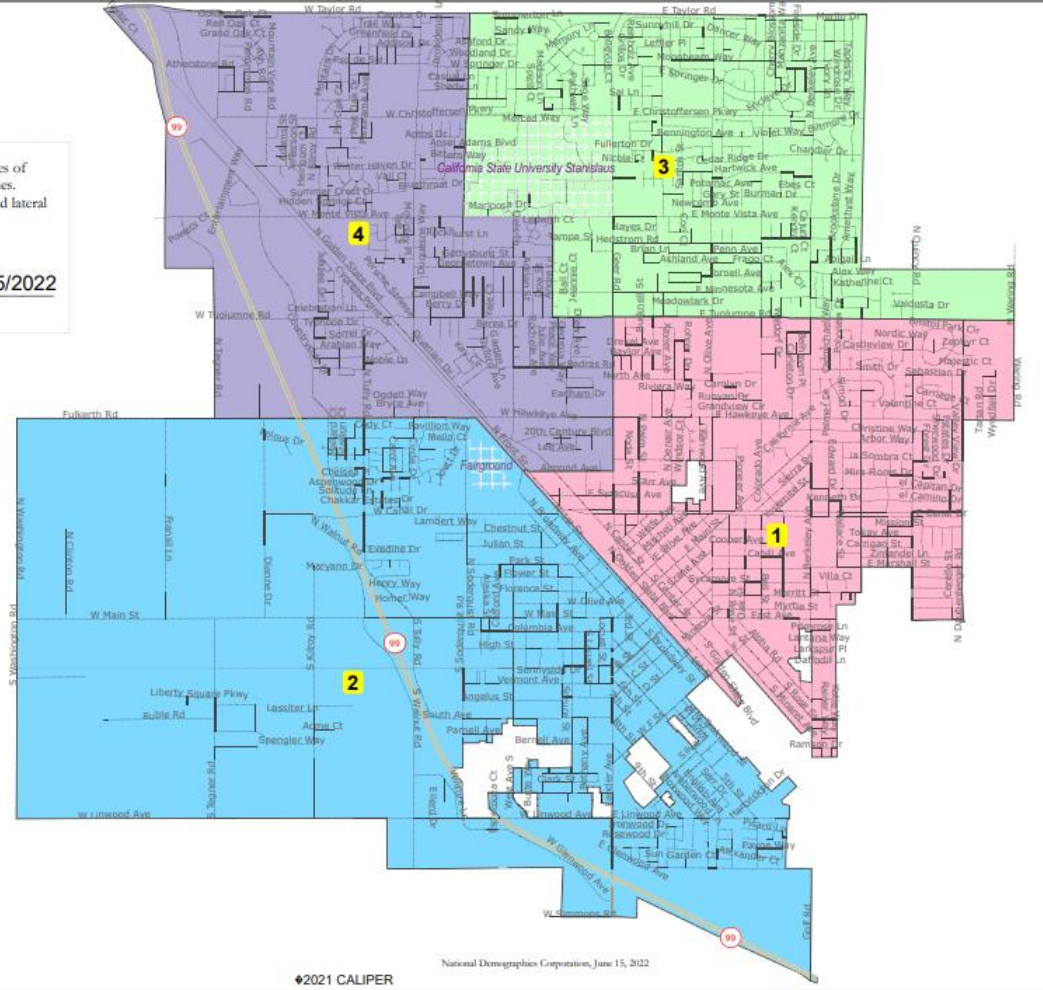
# TURLOCK CITY COUNCIL DISTRICTS

## City of Turlock Redistricting 2021 Council Districts

I certify that this map correctly represents the boundaries of Turlock and approved council election district boundaries. Please note that trustee area boundaries follow street and lateral centerlines and the edge of rights-of-way as indicated.

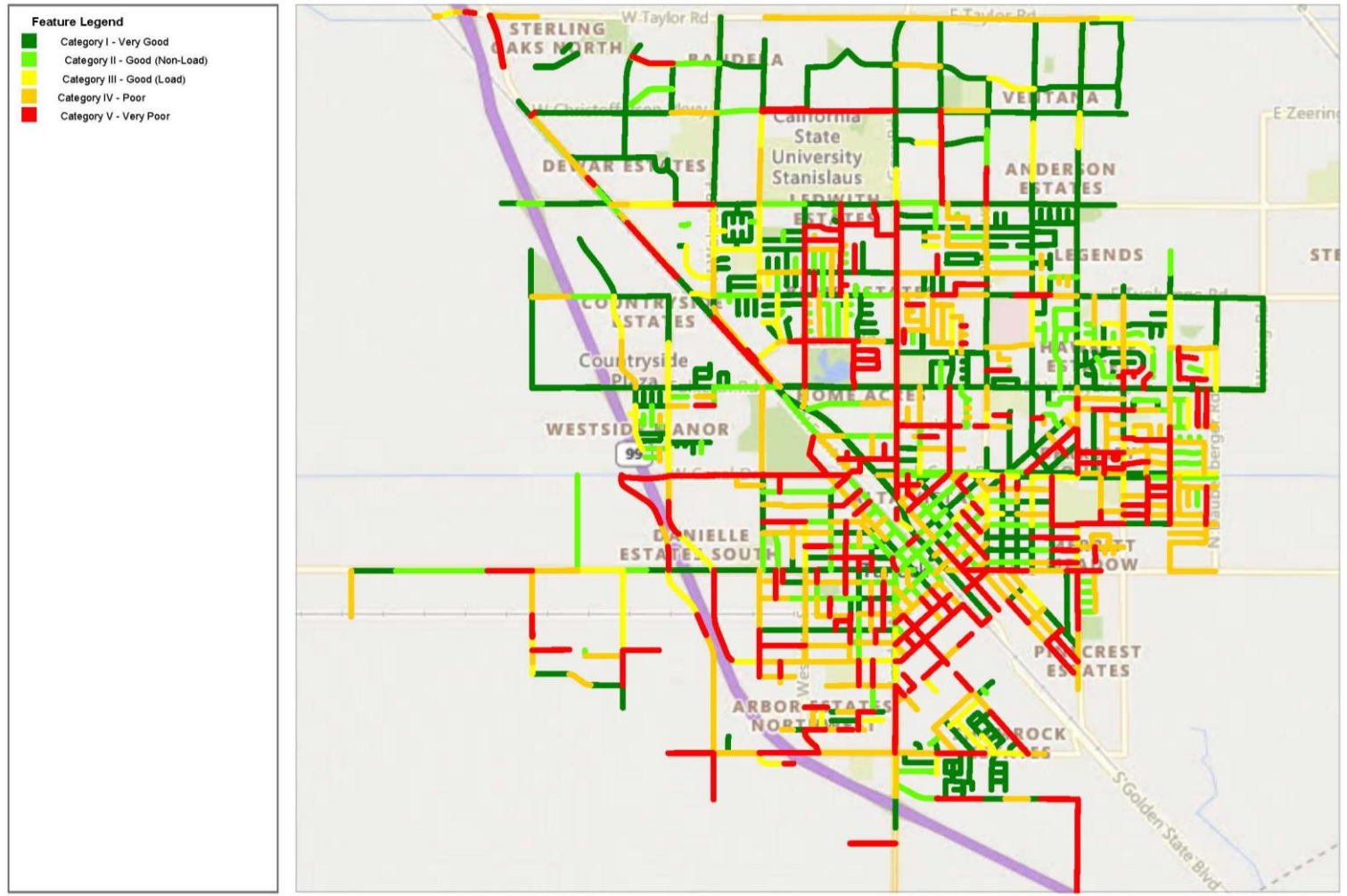
*Julia Christel* 06/15/2022  
Julia Christel, City Clerk Date  
City of Turlock

- Map layers**
-  Current Adj
  -  Railroad
  -  Streets
  -  Landmark Point
  -  Landmark Area



# CURRENT 2022 PCI CONDITION (PCI = 54)

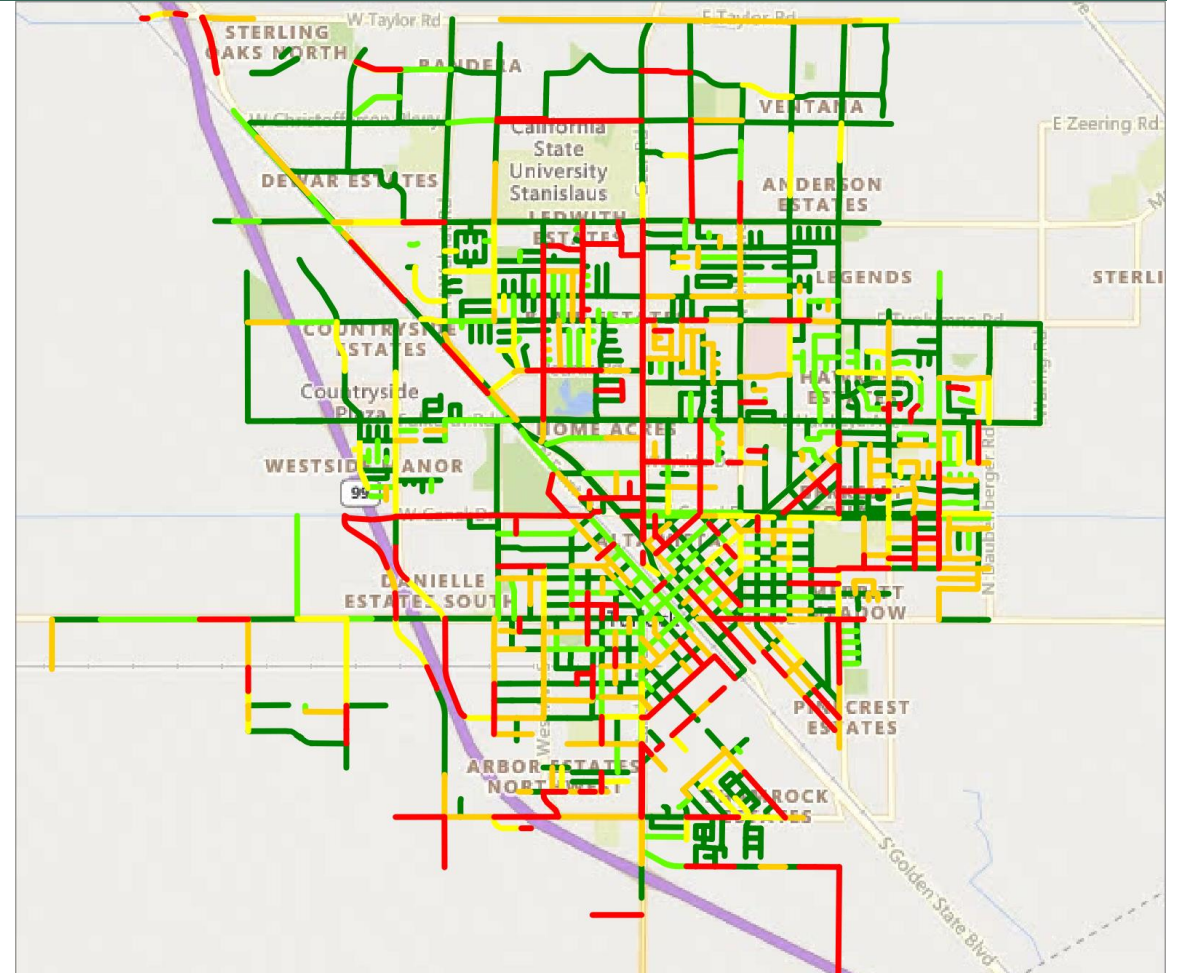
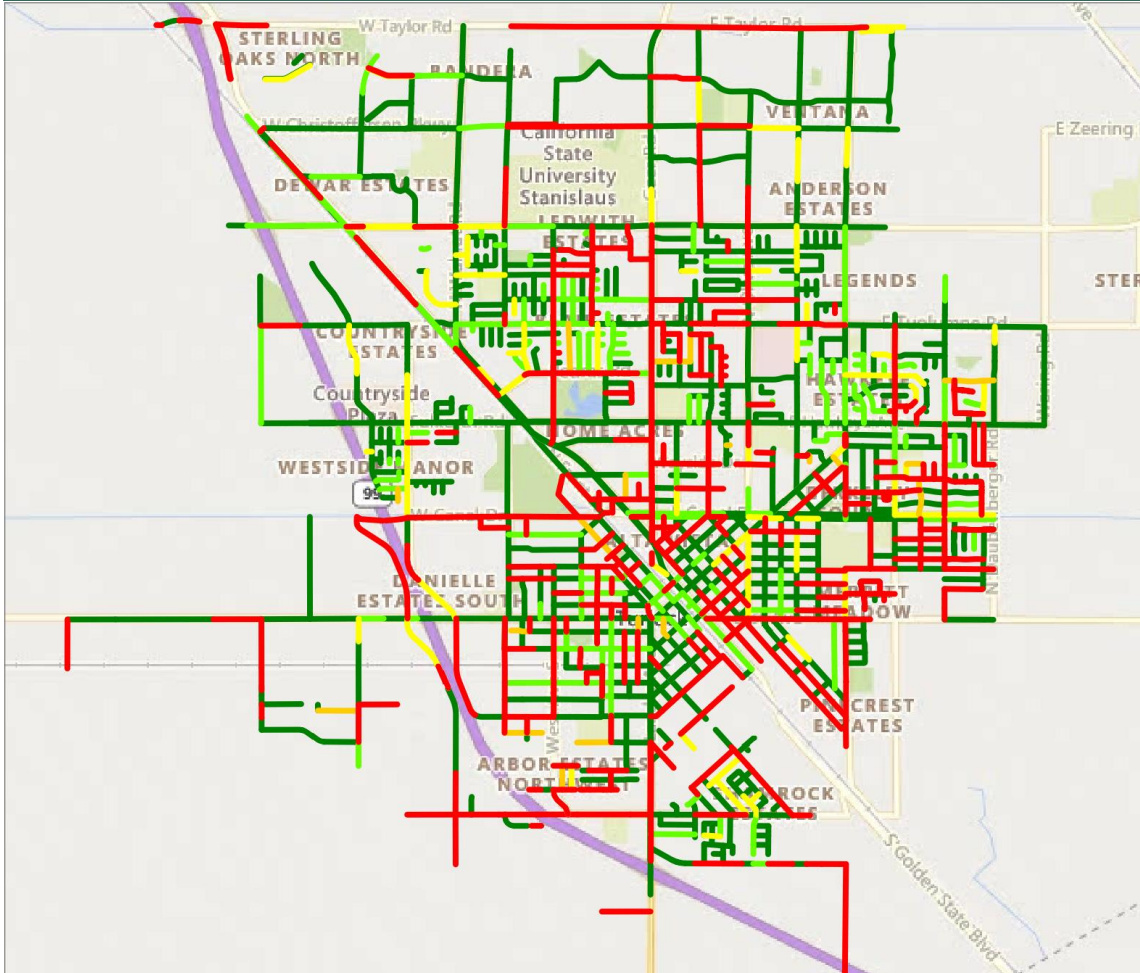
EXCLUDING ASSESSMENT DISTRICTS





# UPDATED PAVEMENT MANAGEMENT REPORT

*Presented to City Council on Sept. 13, 2022*

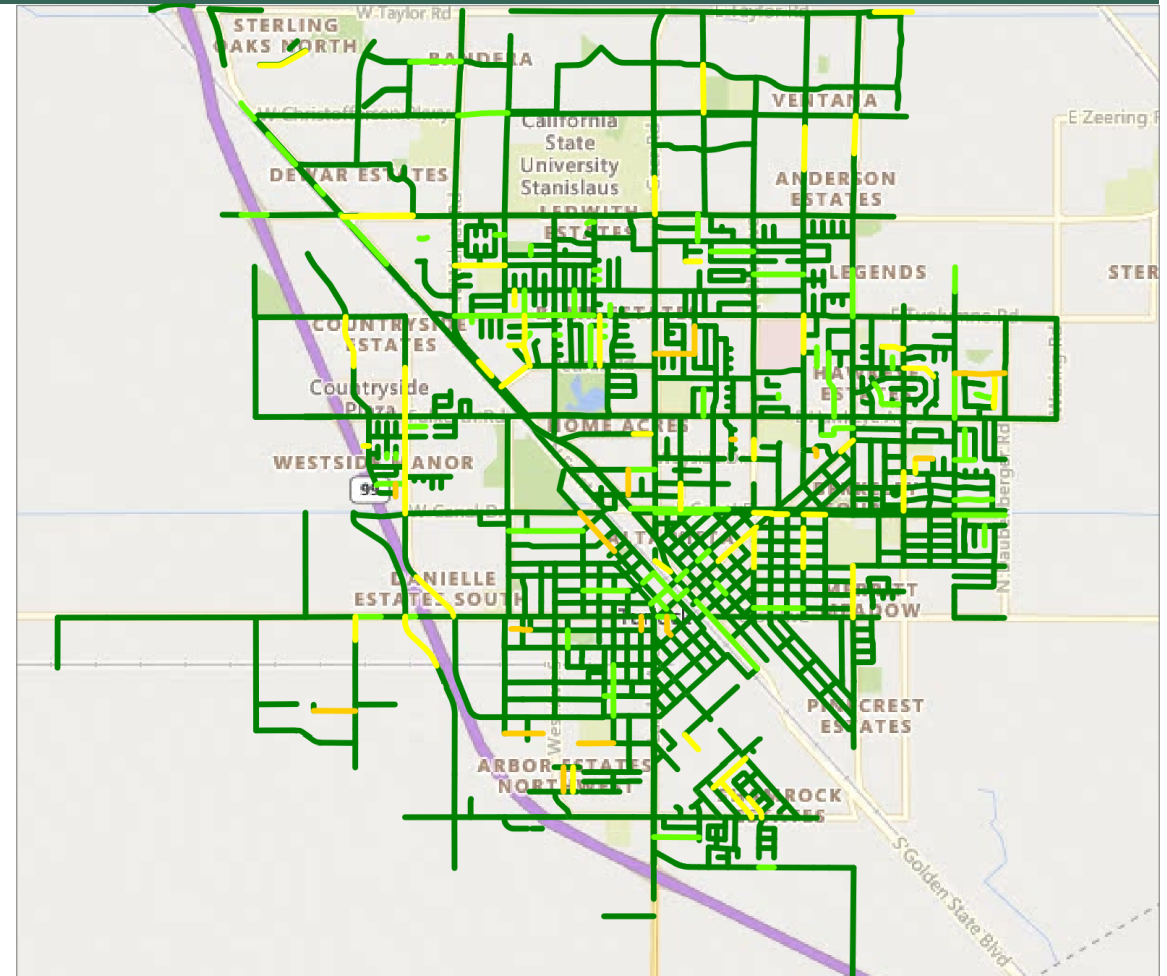
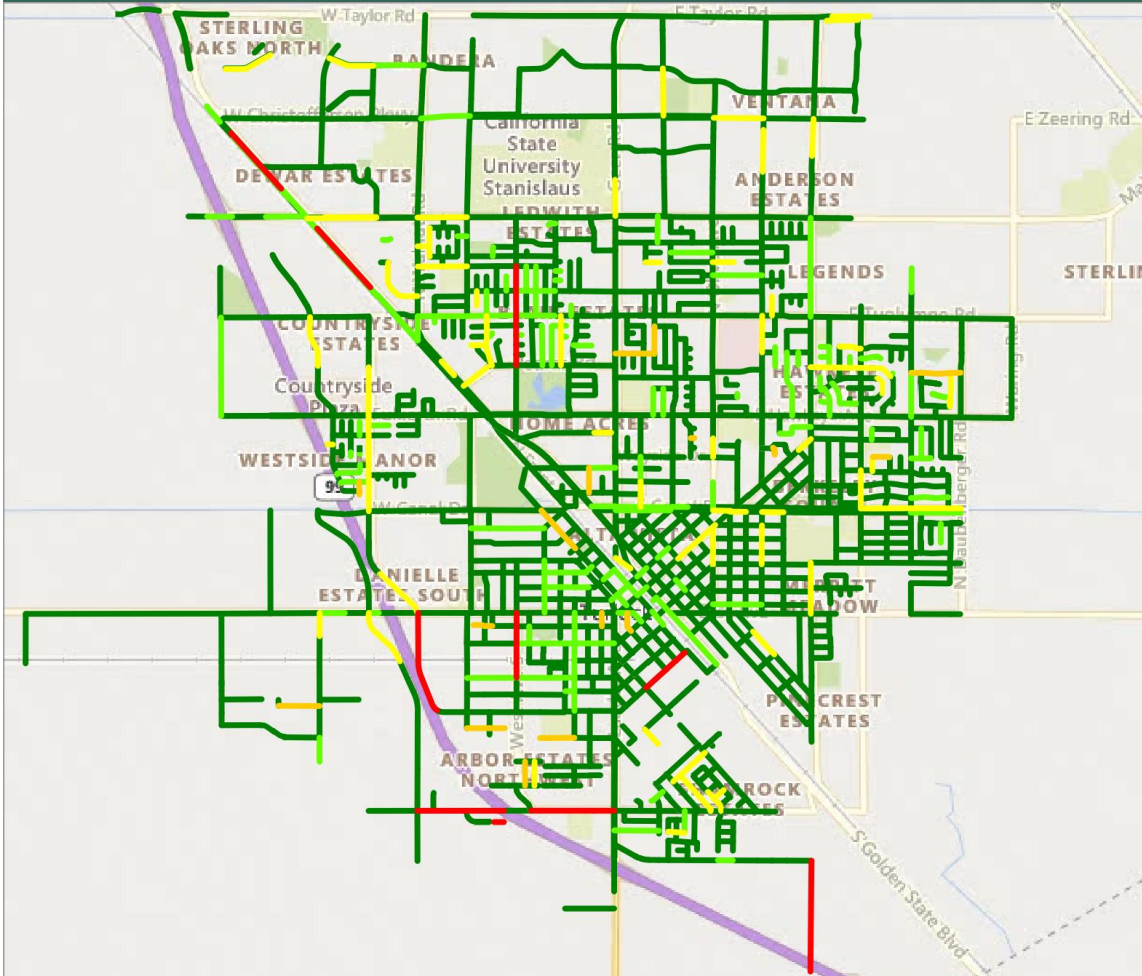


2027 (5-YR) PCI with \$10.5M Annual Funding (PCI = 56)

2027 (5-YR) PCI with \$28.0M Annual Funding (PCI = 74)

# UPDATED PAVEMENT MANAGEMENT REPORT

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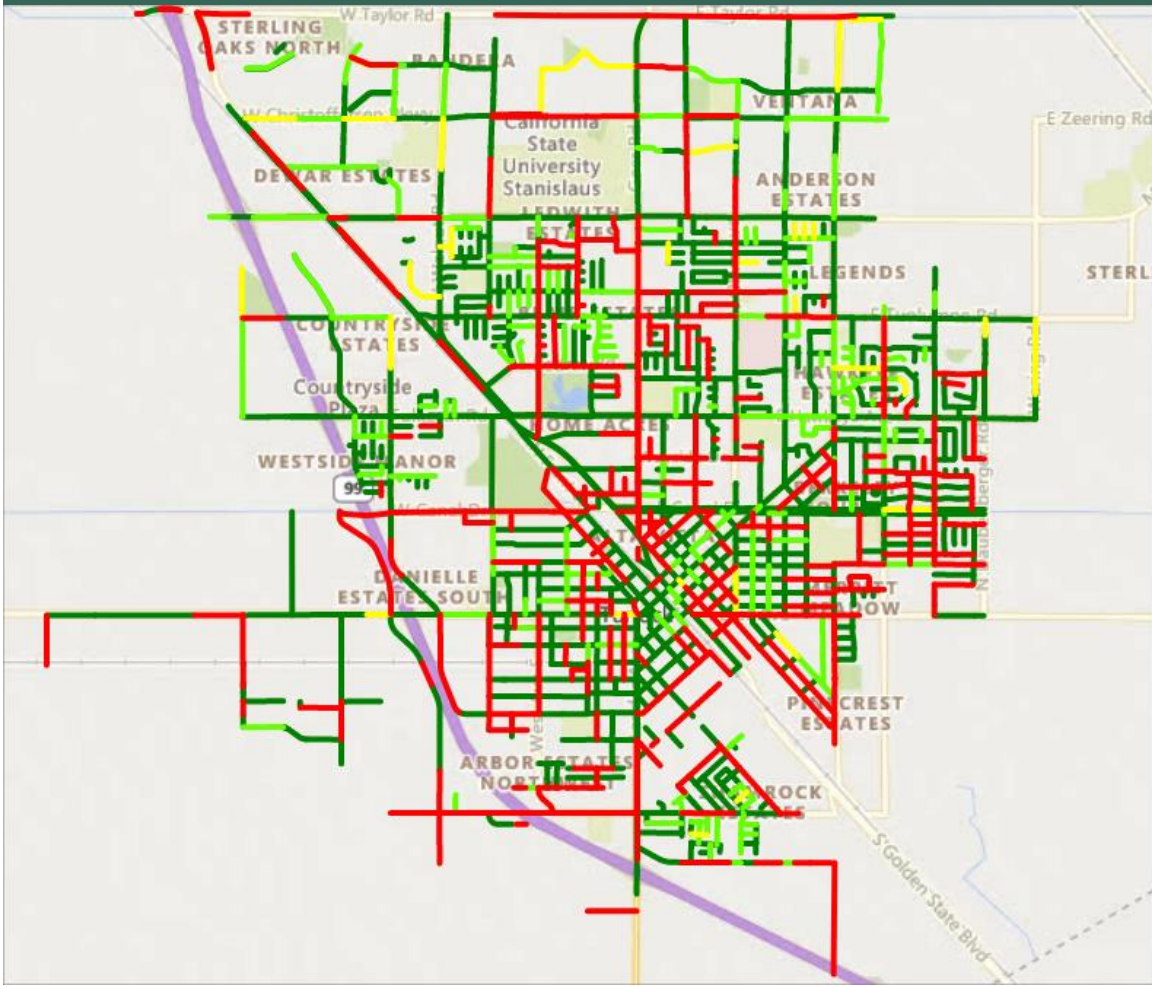


2027 (5-YR) PCI with \$35.3M Annual Funding (PCI = 80)

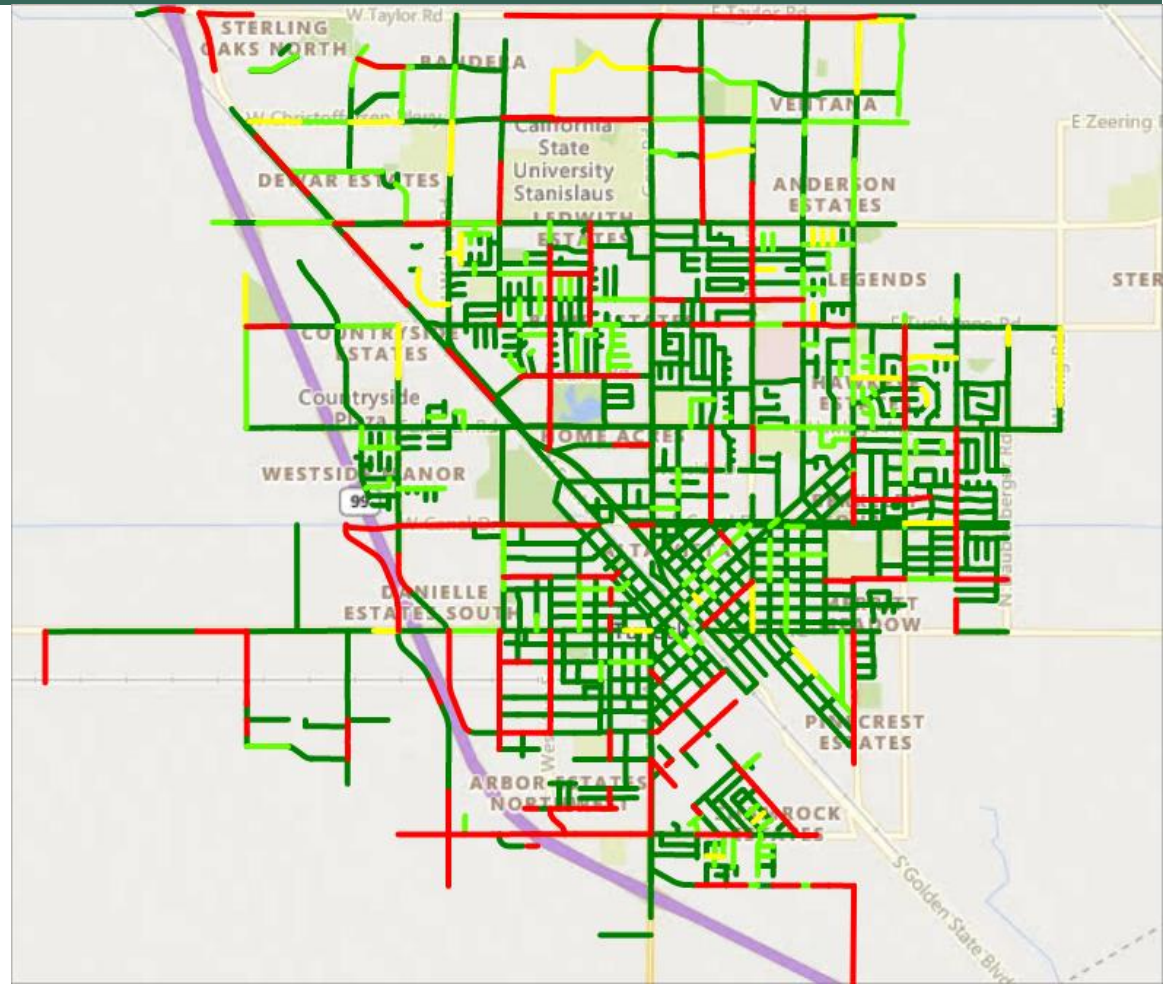
2027 (5-YR) PCI with \$38.3M Annual Funding (PCI = 83)



# UPDATED PAVEMENT MANAGEMENT REPORT Presented to *City Council on Sept. 13, 2022*



2032 (10-YR) PCI with \$10.5M Annual Funding (PCI = 56)

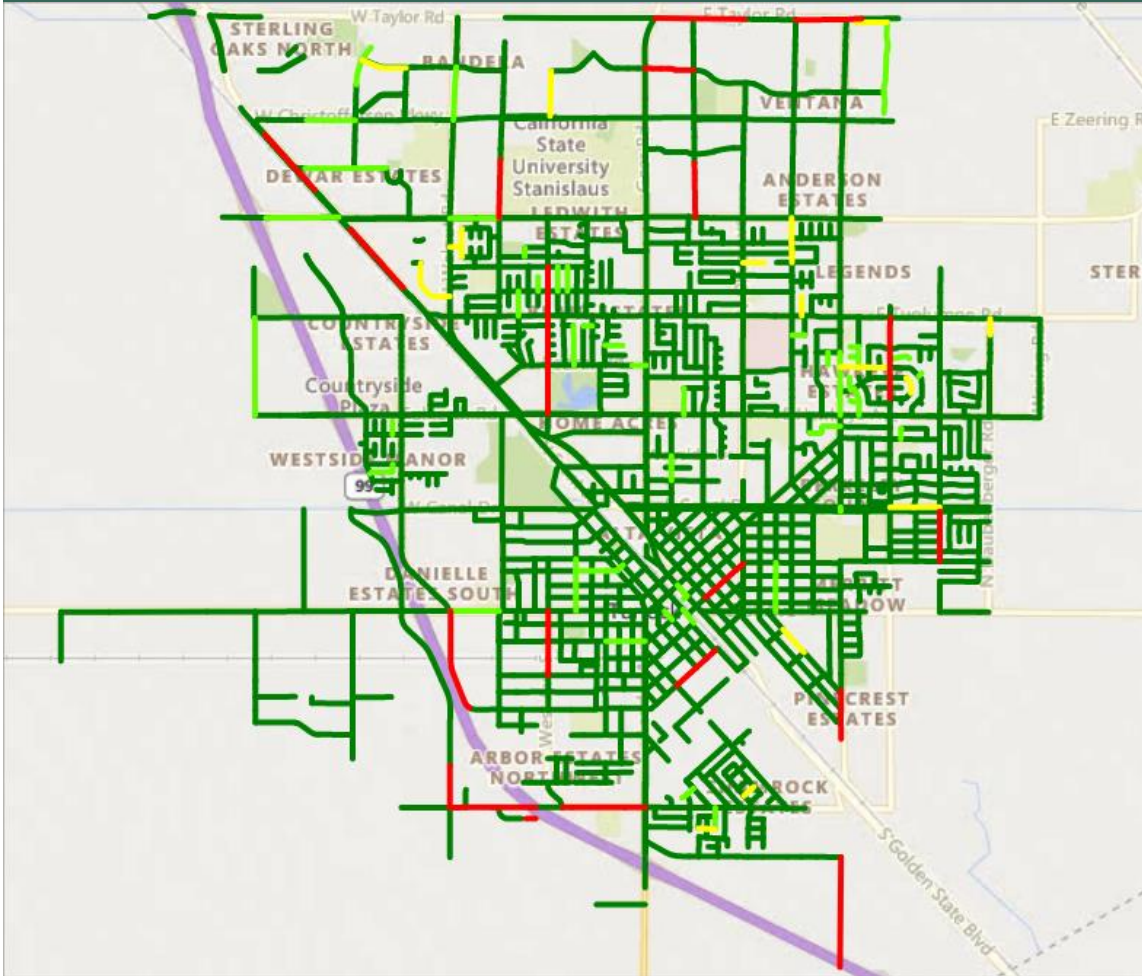


2032 (10-YR) PCI with \$15.5M Annual Funding (PCI = 65)

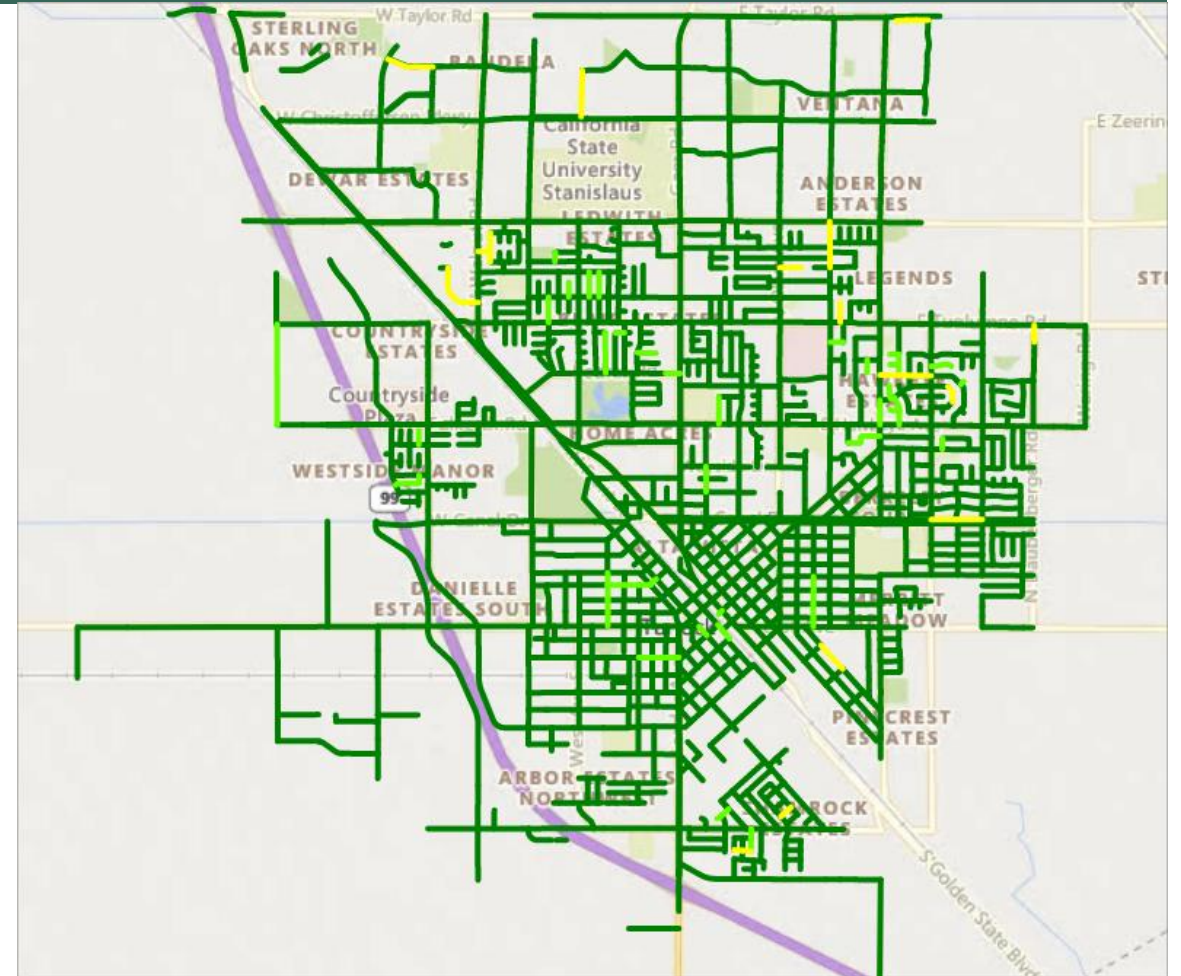


# UPDATED PAVEMENT MANAGEMENT REPORT

*Presented to City Council on Sept. 13, 2022*



2032 (10-YR) PCI with \$24.4M Annual Funding (PCI = 80)



2032 (10-YR) PCI with \$27.9M Annual Funding (PCI = 85)



# Summary of Various Scenarios for both 5- and 10-Year CIP

Scenario	CIP Period (yrs)	CIP Period	Final PCI with Treatment	Final PCI without Treatment	PCI Improvement	Annual Cost	Total Cost
Min. PCI = 50	5	2023-2027	83	44	39	\$38,309,508	\$191,547,538
Avg. PCI = 80	5	2023-2027	80	44	36	\$35,272,272	\$176,361,361
Budget = \$28.0M	5	2023-2027	74	44	30	\$28,000,000	\$140,000,000
Budget = \$10.5M	5	2023-2027	56	44	12	\$10,500,000	\$52,500,000
Do Nothing	5	2023-2027	44	44	0	\$0	\$0
Min. PCI = 50	10	2023-2032	85	33	52	\$27,880,552	\$278,805,522
Avg. PCI = 80	10	2023-2032	80	33	47	\$24,351,191	\$243,511,914
Budget = \$15.5M	10	2023-2032	65	33	32	\$15,500,000	\$155,000,000
Budget = \$10.5M	10	2023-2032	56	33	23	\$10,500,000	\$105,000,000
Do Nothing	10	2023-2032	33	33	0	\$0	\$0

# UPDATED PAVEMENT MANAGEMENT REPORT

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- Distribution of funding per district to bring average PCI to 80 in five years (\$35.3M/year).

	2023	2024	2025	2026	2027	All Years	
District 1	\$ 7,863,715	\$ 13,635,625	\$ 10,769,019	\$ 8,850,486	\$ 11,130,822	\$ 52,249,667	29%
District 2	\$ 8,114,208	\$ 9,950,773	\$ 10,772,259	\$ 17,682,229	\$ 16,530,165	\$ 63,049,634	35%
District 3	\$ 2,996,589	\$ 2,536,089	\$ 11,011,763	\$ 5,150,955	\$ 6,574,713	\$ 28,270,109	16%
District 4	\$ 4,468,503	\$ 4,464,135	\$ 7,804,951	\$ 5,931,458	\$ 11,766,551	\$ 34,435,598	19%
All Districts	\$ 23,443,015	\$ 30,586,622	\$ 40,357,992	\$ 37,615,128	\$ 46,002,251	\$ 178,005,008	100%
	13%	17%	23%	21%	26%	100%	

## NEXT STEPS

- City Council to determine funding levels for road repair during next budget cycle
- Pavement Improvement Project Design Phase



# THANK YOU!

PROJECT UPDATES CAN BE FOUND ON THE ROADS PROGRAM WEBPAGE AT [HTTPS://CI.TURLOCK.CA.US/STREETTRAFFIC/ROADSPROGRAM/](https://ci.turlock.ca.us/streettraffic/roadsprogram/)

CONTACT FRED PEZESHK [FPEZESHK@TURLOCK.CA.US](mailto:FPEZESHK@TURLOCK.CA.US) FOR MORE INFORMATION.

JOIN OUR UPDATES EMAIL LIST THROUGH THE ROADS PROGRAM WEBPAGE AT [HTTPS://CI.TURLOCK.CA.US/STAYINFORMED/EMAILALERTS/](https://ci.turlock.ca.us/stayinformed/emailalerts/)

