

Pavement Maintenance Status Report and Funding Strategy Update



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“Grading” San Jose Street Conditions

| Major Streets (967 miles; PCI 76) | |
|---|------------|
| A, B Good to Excellent | 74% |
| C At Risk to Fair | 20% |
| D, F Poor to Failed | 6% |

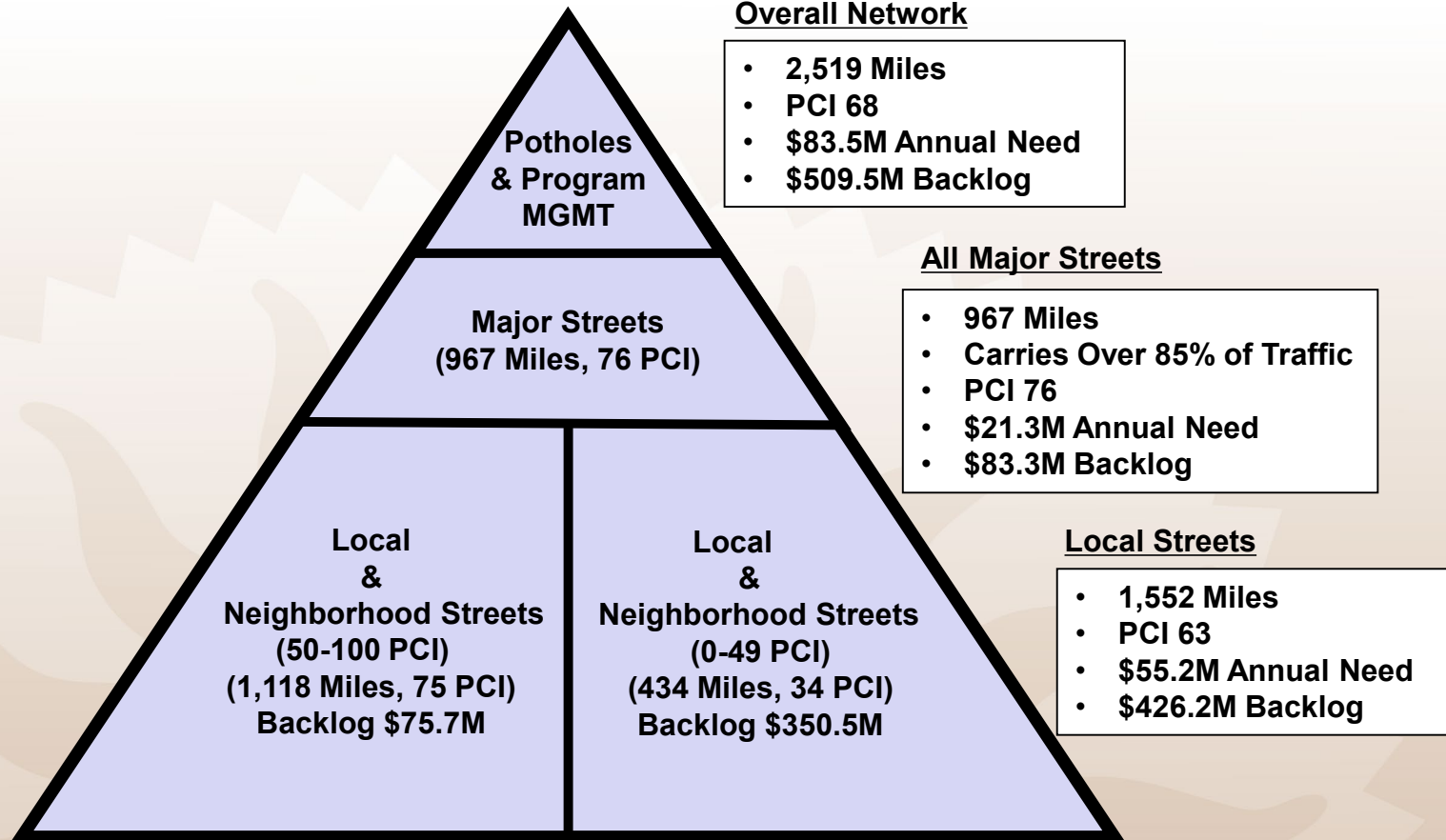
| Local Streets (1552 miles; PCI 63) | |
|--|------------|
| A, B Good to Excellent | 45% |
| C At Risk to Fair | 27% |
| D, F Poor or Failed | 28% |

“Grades” based on 2021 PCI Ratings

Pavement Condition Overview

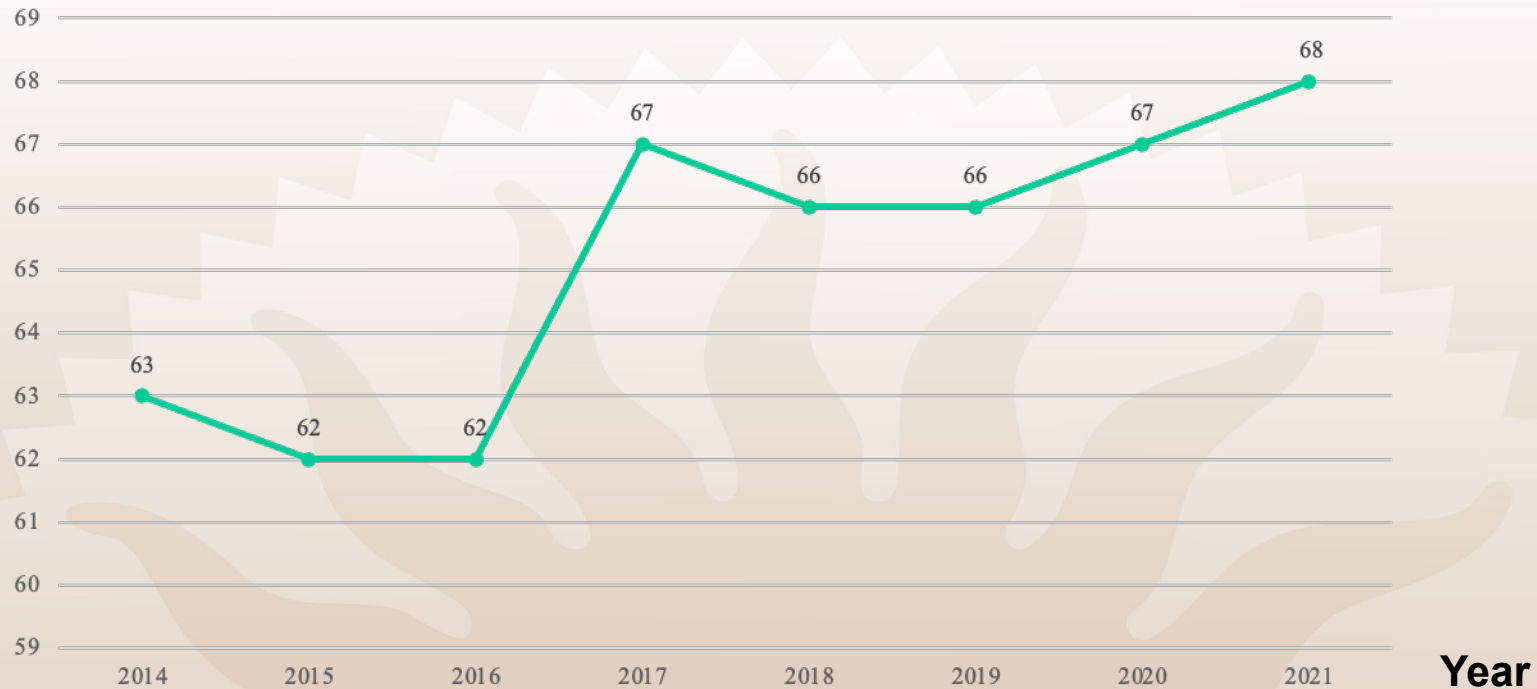
| Street Network | Miles | 2021 PCI | 2022 PCI | Total PCI Change |
|--------------------|--------------|-----------|-----------|------------------|
| Major | 967 | 77 | 76 | -1 |
| Local/Neighborhood | 1,552 | 62 | 63 | 1 |
| Combined | 2,519 | 67 | 68 | 1 |

Pavement Needs and Funding



Pavement Condition Index (PCI) History

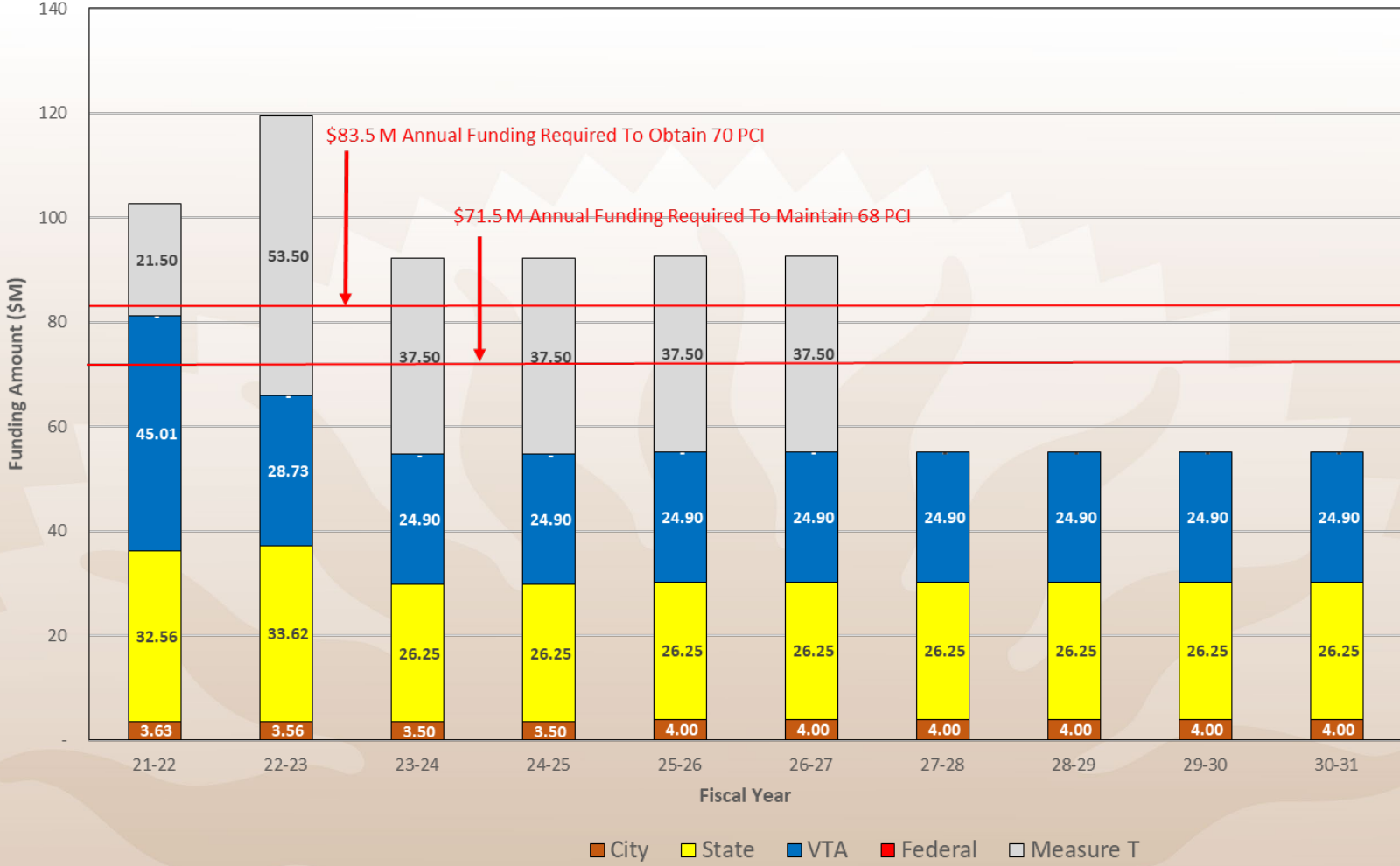
PCI



- **PCI will continue to increase, potentially reaching 70 in 2023**
- **Likely to begin declining in 2027-28**

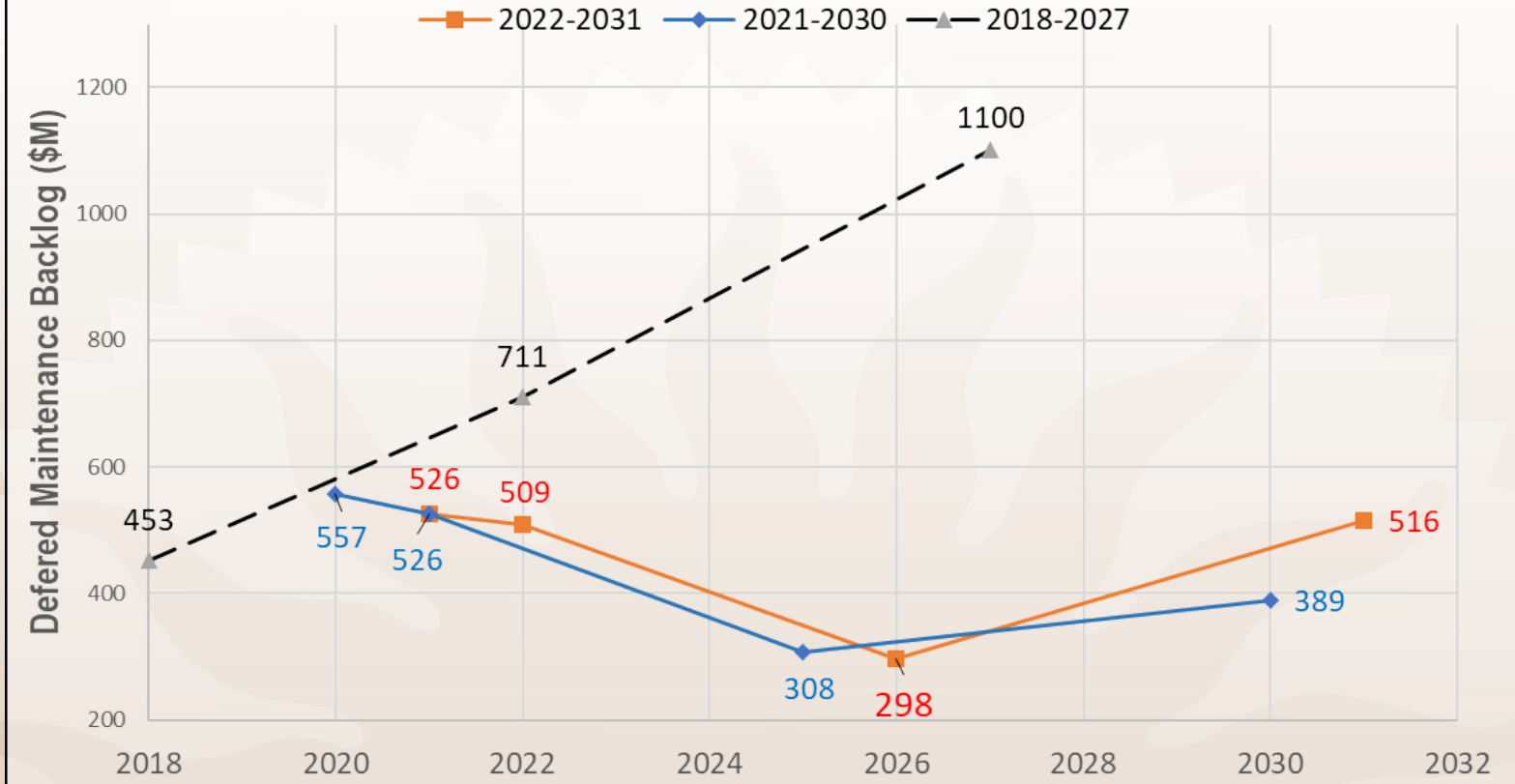
10-Year Funding Status

Pavement Funding Projections

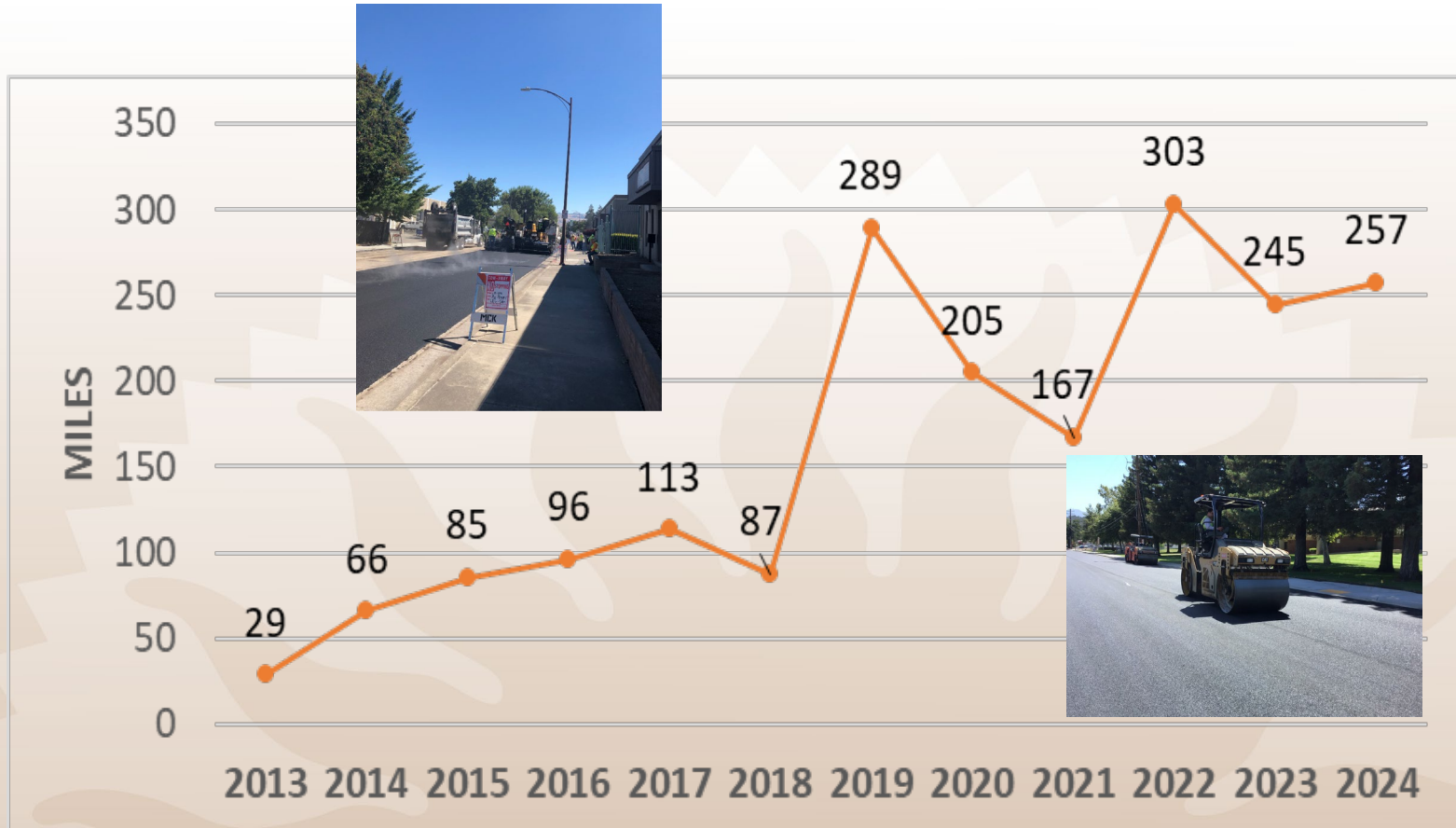


Cost to Recover Based on Current Funding Level

Attachement B: Deferred Maintenance Backlog Projection



Pavement Production History/Planned



2022 Pipeline – 29 Projects!

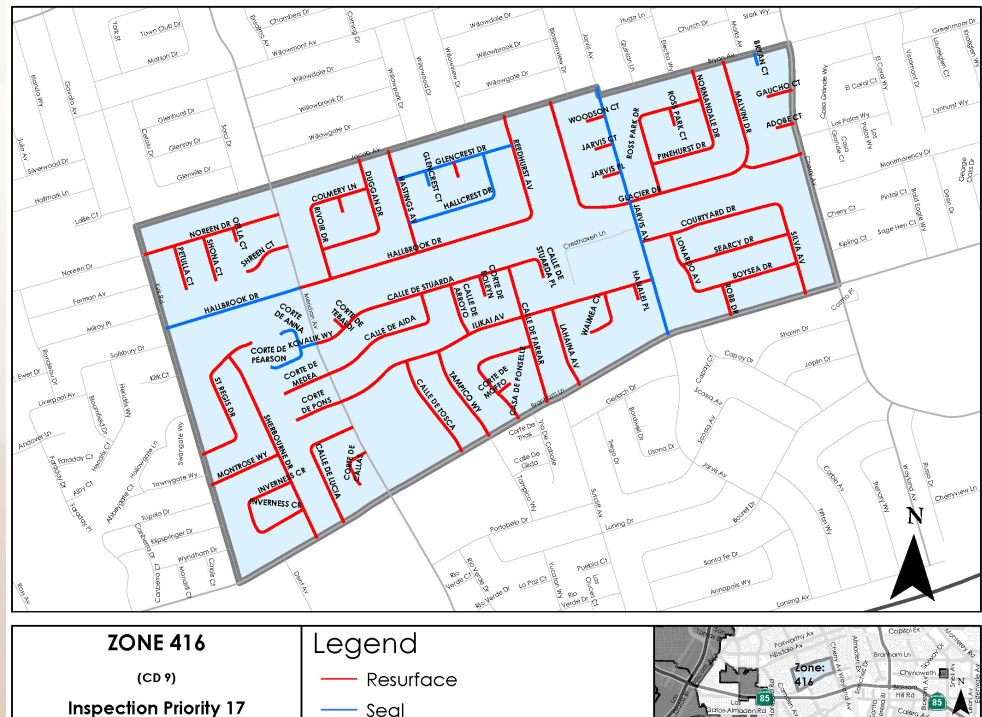
| Major Streets Award Date | Project | Miles |
|---|--|------------|
| April 12 | Concrete and ADA Ramps (Sealing & Resurfacing Prep) | |
| April 26 | Asphalt Concrete Remove Replace (Sealing Prep) | |
| May 10 | Arterial Resurfacing | 27 |
| May 10 | Stevens Creek & Winchester Resurfacing | 8 |
| May 17 | Arterial Sealing | 24 |
| | Total Major Streets | 59 |
| Local Streets Award Date | Project | Miles |
| June 23, 2020 | 2020-2024 LS Multi-year Resurfacing (Option Year 2) | 24 |
| February 8 | 2022-2024 LS Multi-year Resurfacing (Initial Term) | 25 |
| March 15 | 2022 LS Concrete #1 | |
| March 29 | 2022 LS Concrete #2 | |
| April 26 | 2022 LS R&R Project | |
| May 17 | 2022 LS Resurfacing #1 | 21 |
| May 24 | 2022 LS Resurfacing #2 | 22 |
| June 21 | 2022 LS Resurfacing #3 | 19 |
| June 28 | 2022 LS Resurfacing #4 | 15 |
| June 28 | 2022 LS Sealing Project | 65 |
| | Total Local & Neighborhood Streets | 191 |
| Total Combined Major + Local Streets | | 250 |

- 13 Minor Contracts on Local Streets (6/13 completed or IP)
- 1 Minor Contract on Major Streets (Start May)

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
- Considers Equity Priority Community as a tool in planning phase



Local & Neighborhood Streets

2021 Before and After

19th St
2021 Resurfacing



Minas Dr
2021 Resurfacing



Local & Neighborhood Streets

2022 Projects

- 13 minor construction projects (prep)
- 10 major construction projects (3 prep, 1 sealing, 6 resurfacing)
- Addresses nearly 191 miles
- Total funding: \$63 million
- Focused on maintenance zones “poor and failed” to maximize cost-effective treatment
- Approximately 458 miles maintained in 2019-2021 (30% of network)



Innovation

Reducing Carbon Footprint

- CO₂-injected concrete:
 - Reduce **5%** carbon footprint
 - Cost-neutral
 - Local material and production
- About 19,000 ADA ramps to be installed in the next 10 years:
 - 130,000 tons of concrete, or
 - 13,000 tons of CO₂ emissions
- DOT's goals:
 - Implemented a pilot project in 2021
 - Long-term goal: reduce **650 tons** of CO₂ emissions in the next 10 years



Conclusion

- **Investments have yielded results**
 - Major Streets steady at 76 PCI
 - PCI on Local Streets has jumped from 60 to 63 since 2018
- **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
- **DOT ready to deliver**
 - 303 miles of street pavement projects in 2022
 - Building capacity to plan, procure and deliver in 2022 and beyond



Hostetter Rd, post-resurfacing 2021



Landess Ave, post-resurfacing 2021

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