

CITY OF AUSTIN PUBLIC WORKS

FY23 Street Service Plan

James M. Snow, Interim Director of Public
Works

(Jan TBD)

Microsoft Teams Meeting



PUBLIC WORKS

*Well-Built
Well-Maintained
Well-Being For All*



AGENDA

- Public Works Department and Street & Bridge Operations
- Why Do We Have a Streets Service Plan?
- Service Plan Development
- FY23 Streets Service Plan
- Conclusion

PUBLIC WORKS DEPARTMENT

MISSION

Build and maintain a better community by delivering services to every corner of Austin.

SERVICES

- Manage, design, and inspect capital improvement projects
- Maintain the City's network of trails, roadways, and bridges once they are built
- Promote bicycle, pedestrian, safe routes to school, and urban trail programs

STREET AND BRIDGE OPERATIONS

ROLE

Manage and maintain public right-of-way infrastructure including streets, bridges, sidewalks, guardrails, trees and vegetation

SERVICES

- Minor Concrete Repair & Construction
- **Street Preventative Maintenance**
- Right of Way Maintenance (trees + vegetation)
- Bridge Maintenance
- Alley & Roadway Repairs
- Tree Pruning & Trimming
- Sidewalk Services



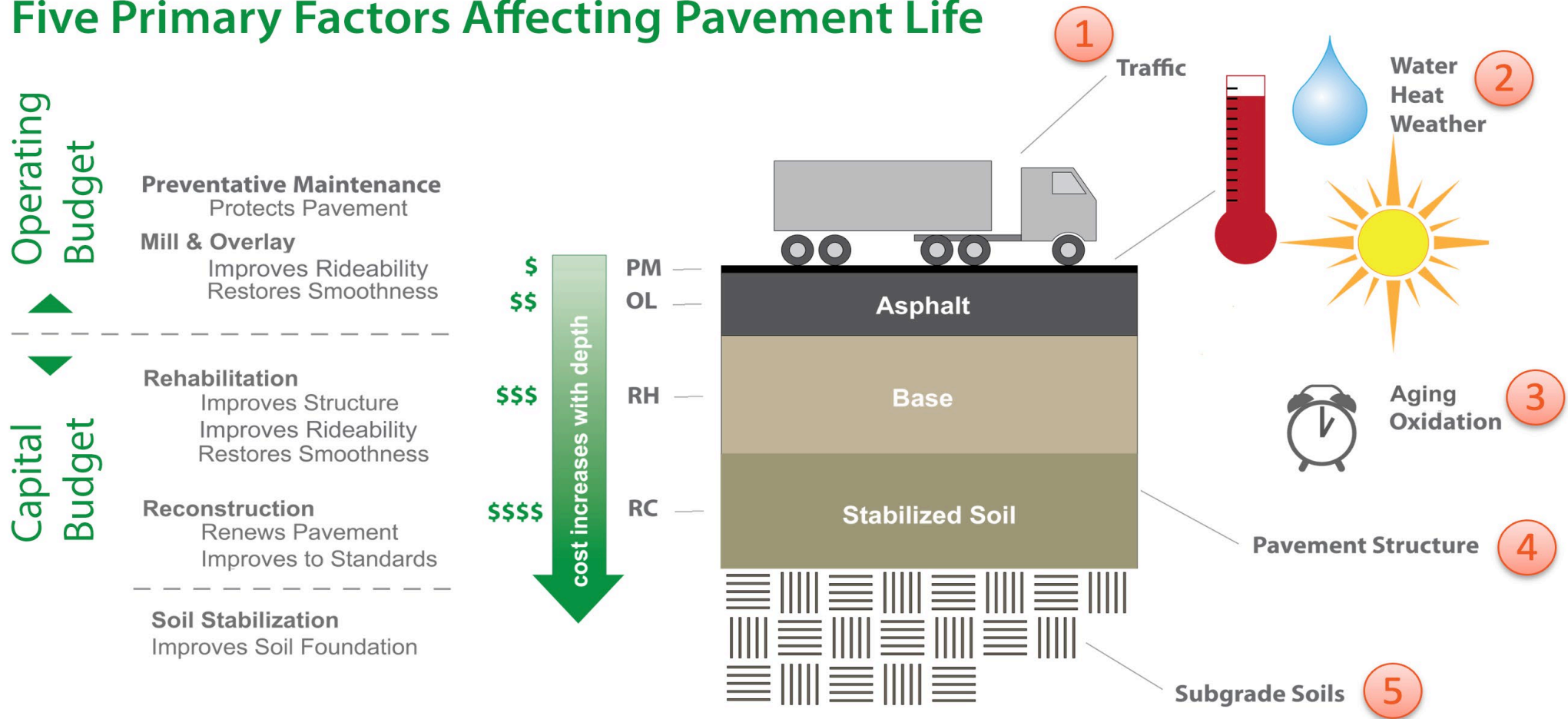
Why do we do street preventative maintenance?

*Scheduled preventative maintenance helps **prolong the life of streets** by protecting the surface from the effects of aging, cracking, deterioration, and water infiltration.*

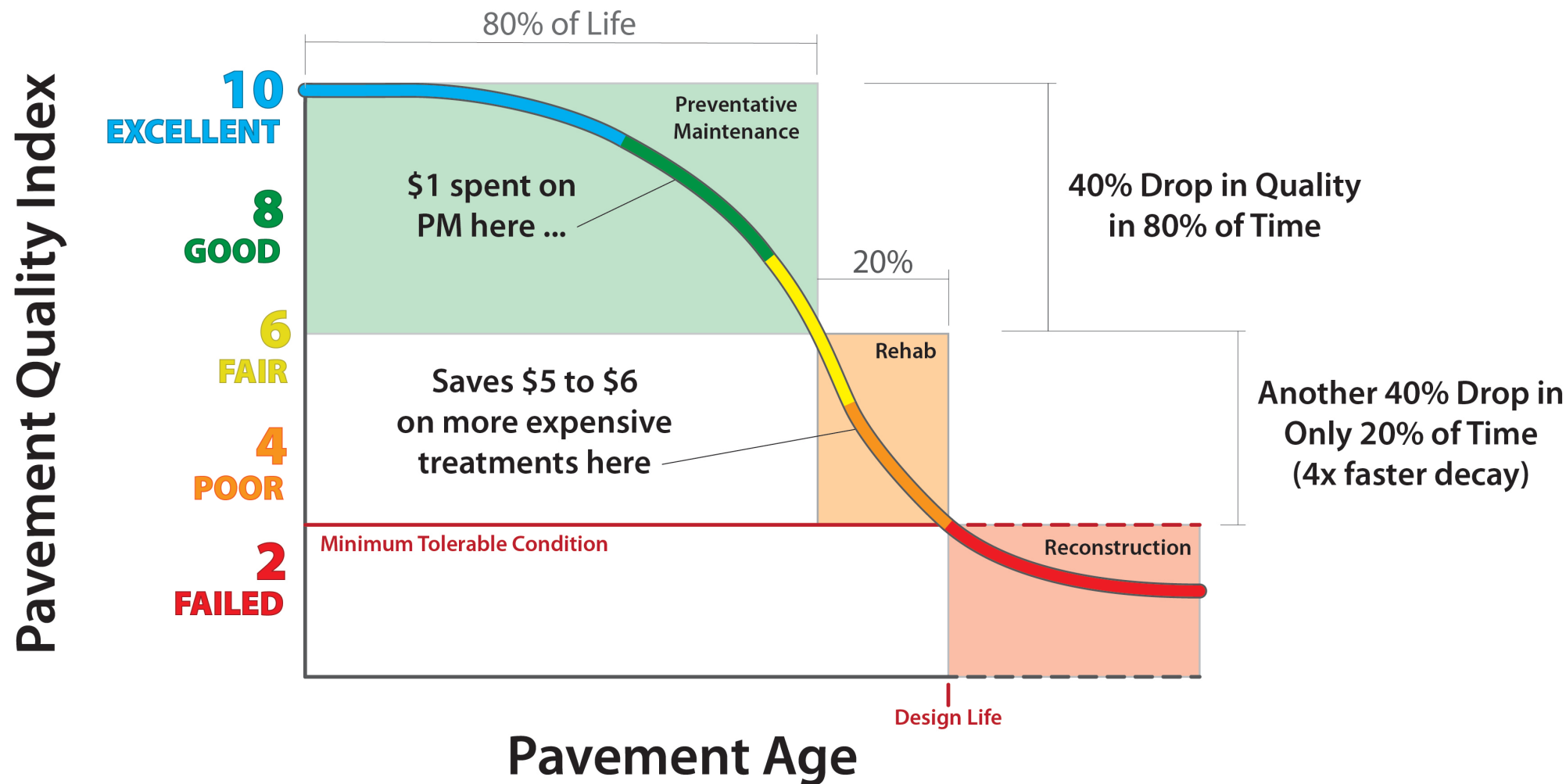
*Preventative maintenance allows us to make **safety updates, add bike lanes, and save time and taxpayer money** by intervening before full reconstruction is needed.*

Influencing Factors for Pavement Life

Five Primary Factors Affecting Pavement Life



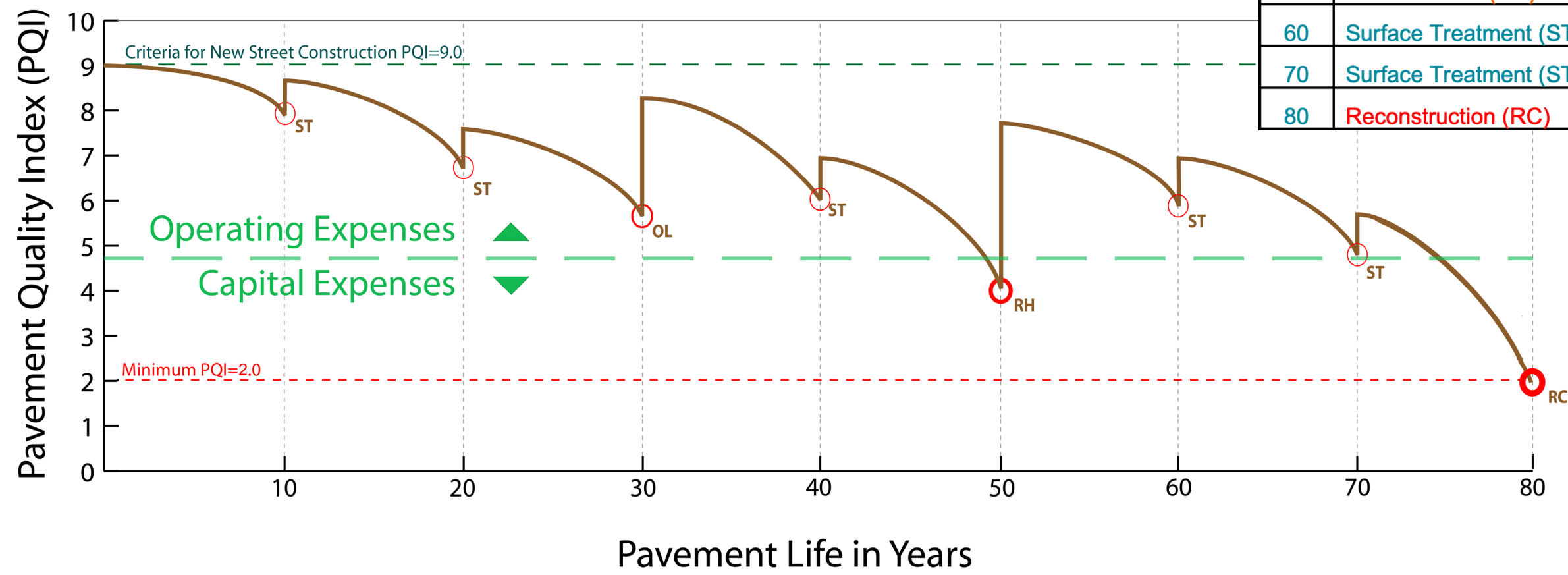
Preventative Maintenance Cost Savings



Pavement Life Cycle

THE RIGHT TREATMENT AT THE RIGHT TIME LEADS TO MAXIMUM STREET LIFE

Year	Treatment
0	Initial Construction (RC)
10	Surface Treatment (ST)
20	Surface Treatment (ST)
30	Standard Overlay (OL)
40	Surface Treatment (ST)
50	Rehabilitation (RH)
60	Surface Treatment (ST)
70	Surface Treatment (ST)
80	Reconstruction (RC)



Preventative Maintenance Treatments - Terminology



CRACK SEAL



FOG SEAL



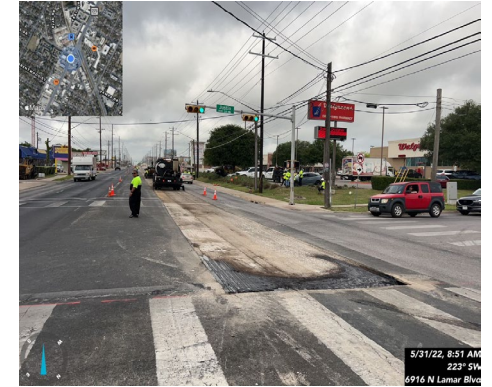
SEAL COAT

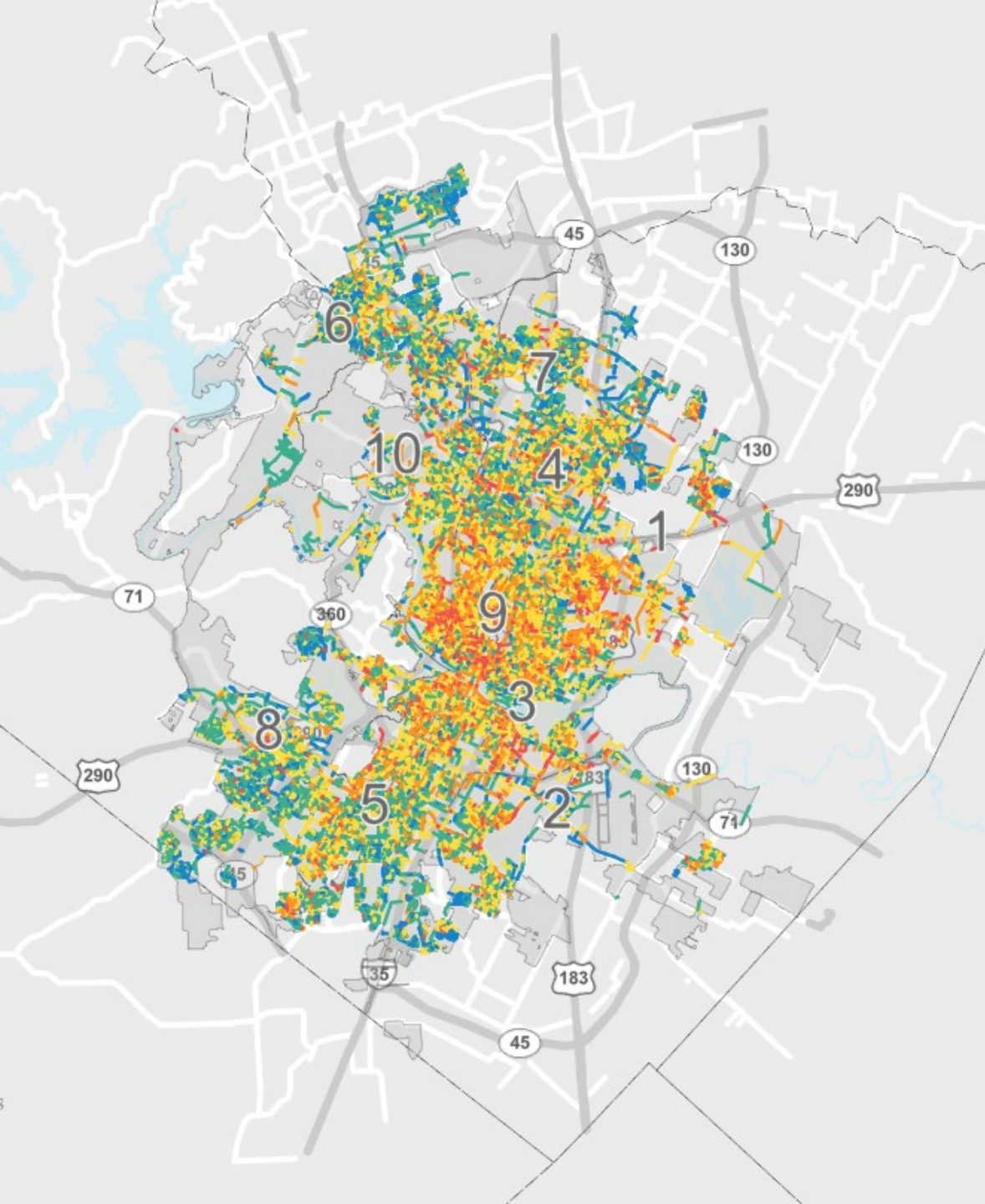


SLURRY SEAL



**MILL AND
OVERLAY**

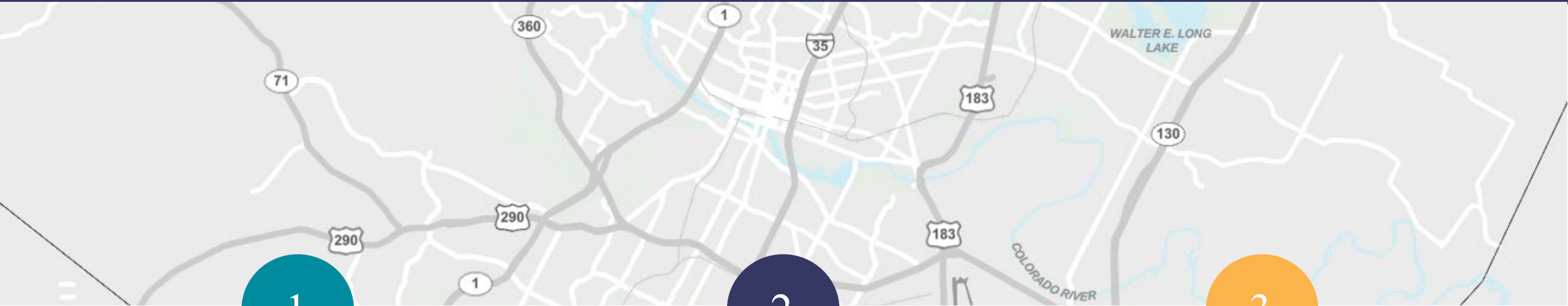




FY23 Annual Service Plan Development

How Public Works Plans Maintenance

INCORPORATING EQUITY



1

We are data-informed.

Public Works uses data to apply the *right* treatments on the *right* streets at the *right* time.

2

We prioritize equity.

Public Works also considers factors such as community input and historical context.

3

We are always trying to improve.

Public Works is undergoing a process to discover how we can incorporate equity even more.

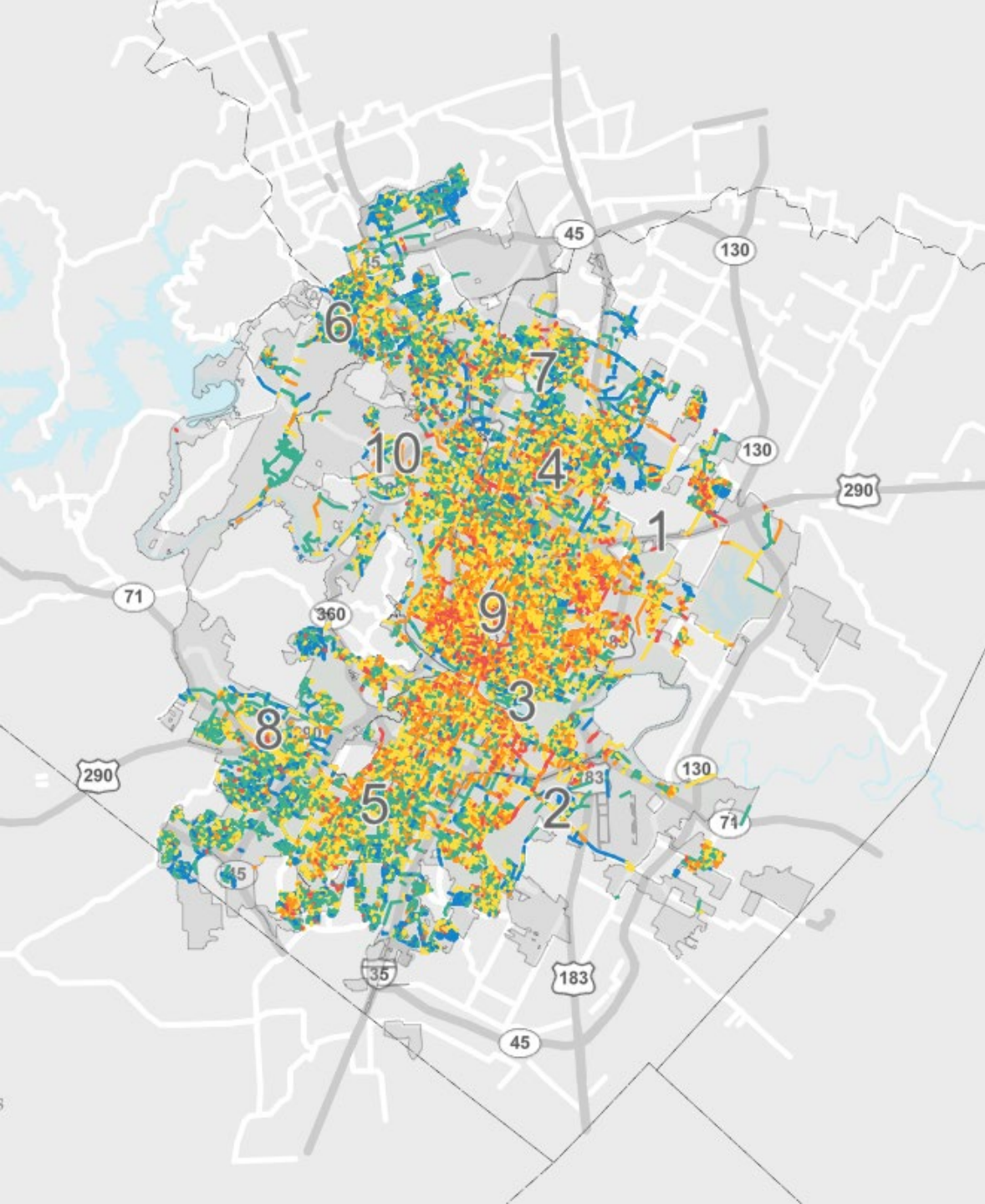


Annual Service Planning

Each fiscal year, the Public Works Department creates an **Annual Street Service Plan** to help achieve the following goals:

- Perform Preventive Maintenance on approximately 10% of the network each year
- Maintain 80% of street network in Fair to Excellent condition





Network Condition

Condition Grades

Blue: A (Excellent) Orange: D (Poor)
Green: B (Good) Red: F (Failed)
Yellow: C (Fair)

Austin's Street Network by Grade

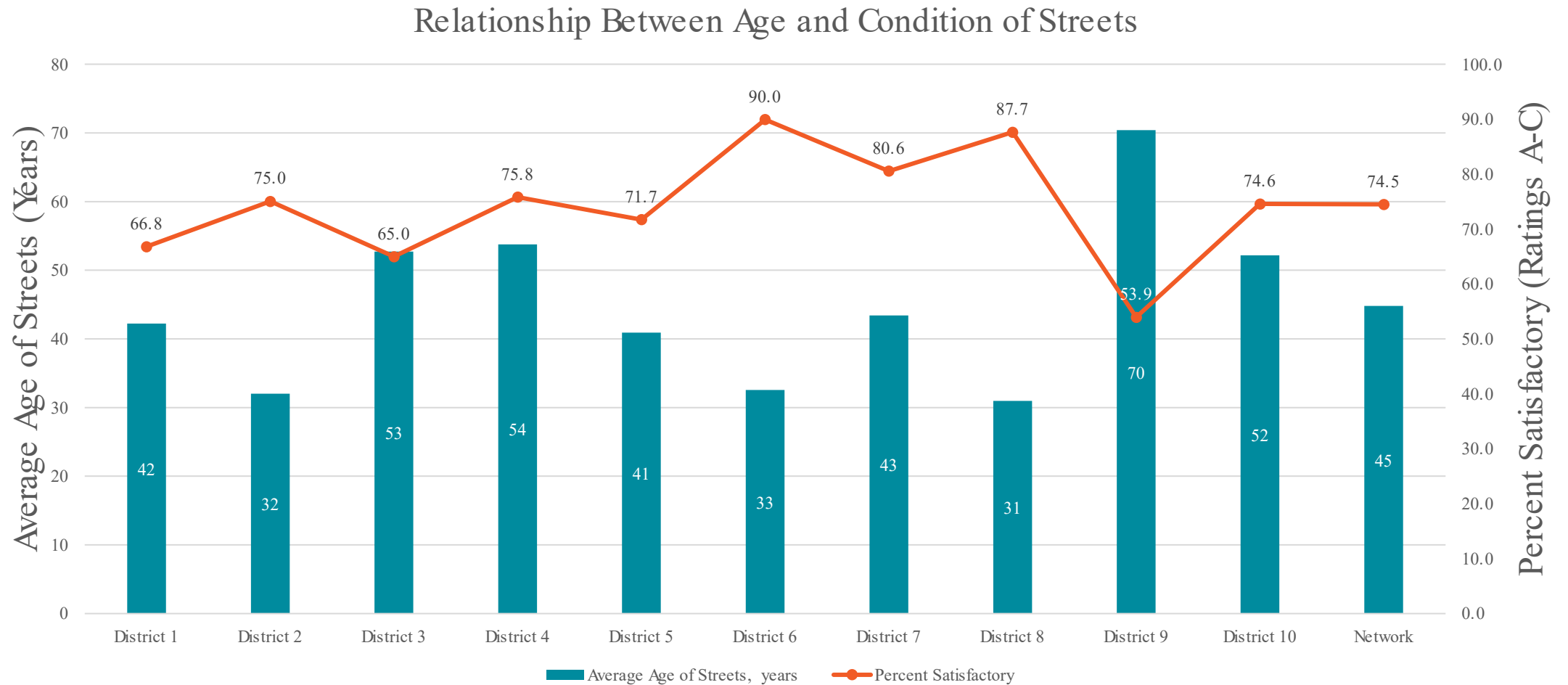
AS OF SEPTEMBER 2022

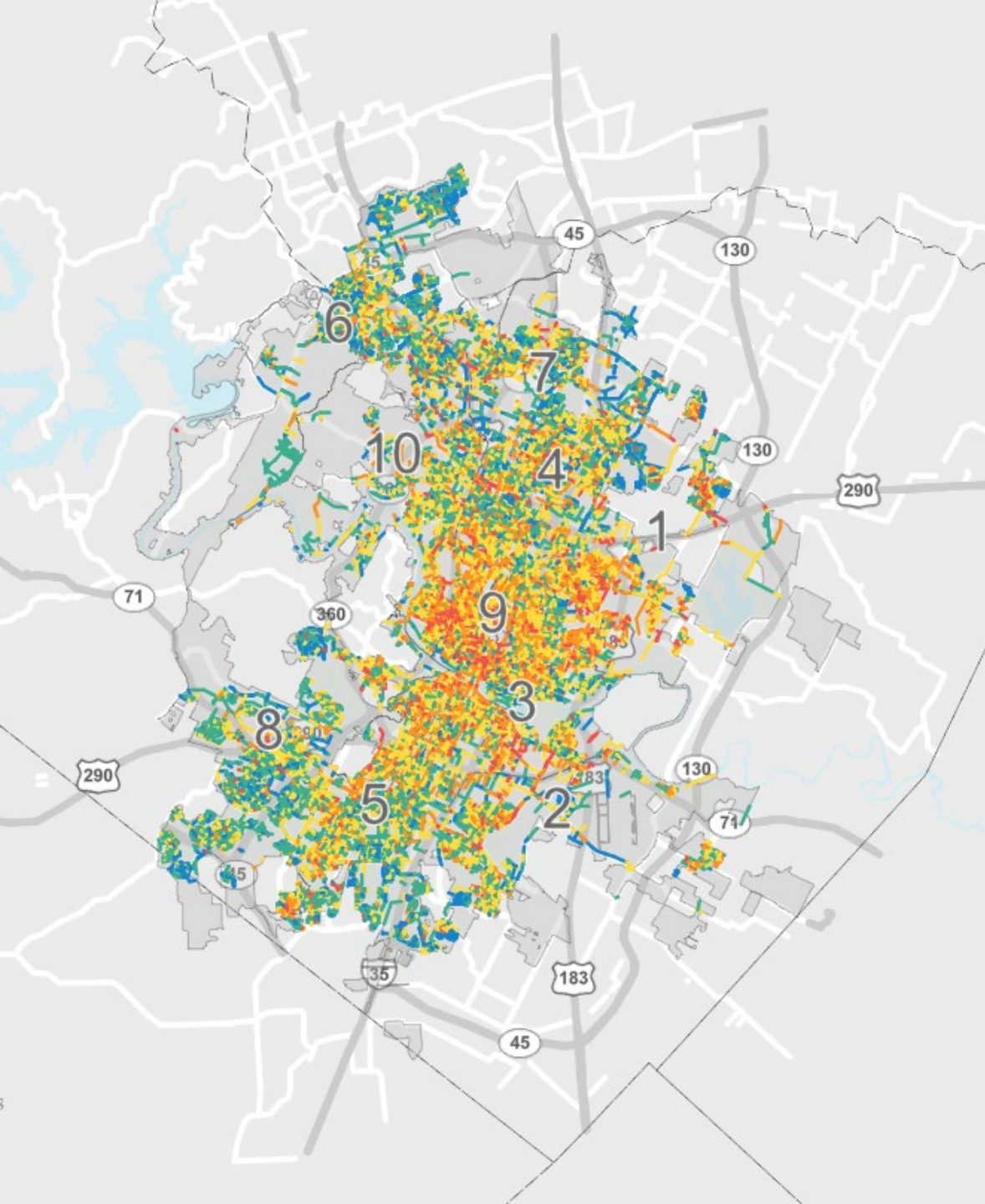


Grade Meaning		Lane Miles (as of FY22)
A	Excellent: Street should need only preventative maintenance (PM).	▶ 1287 LM (16%)
B	Good: Street should need only preventative maintenance and a few minor spot repairs.	▶ 2,273 LM (29%)
C	Fair: Street still preserved by preventative maintenance and more minor spot repairs.	▶ 2,368 LM (30%)
D	Poor: Street is in less than desirable condition and has an unsatisfactory ride.	▶ 1,270 LM (16%)
F	Failed: Street does not have an acceptable ride even at reduced speeds.	▶ 759 LM (9%)

Street Inventory by Council District

AS OF SEPTEMBER 2022



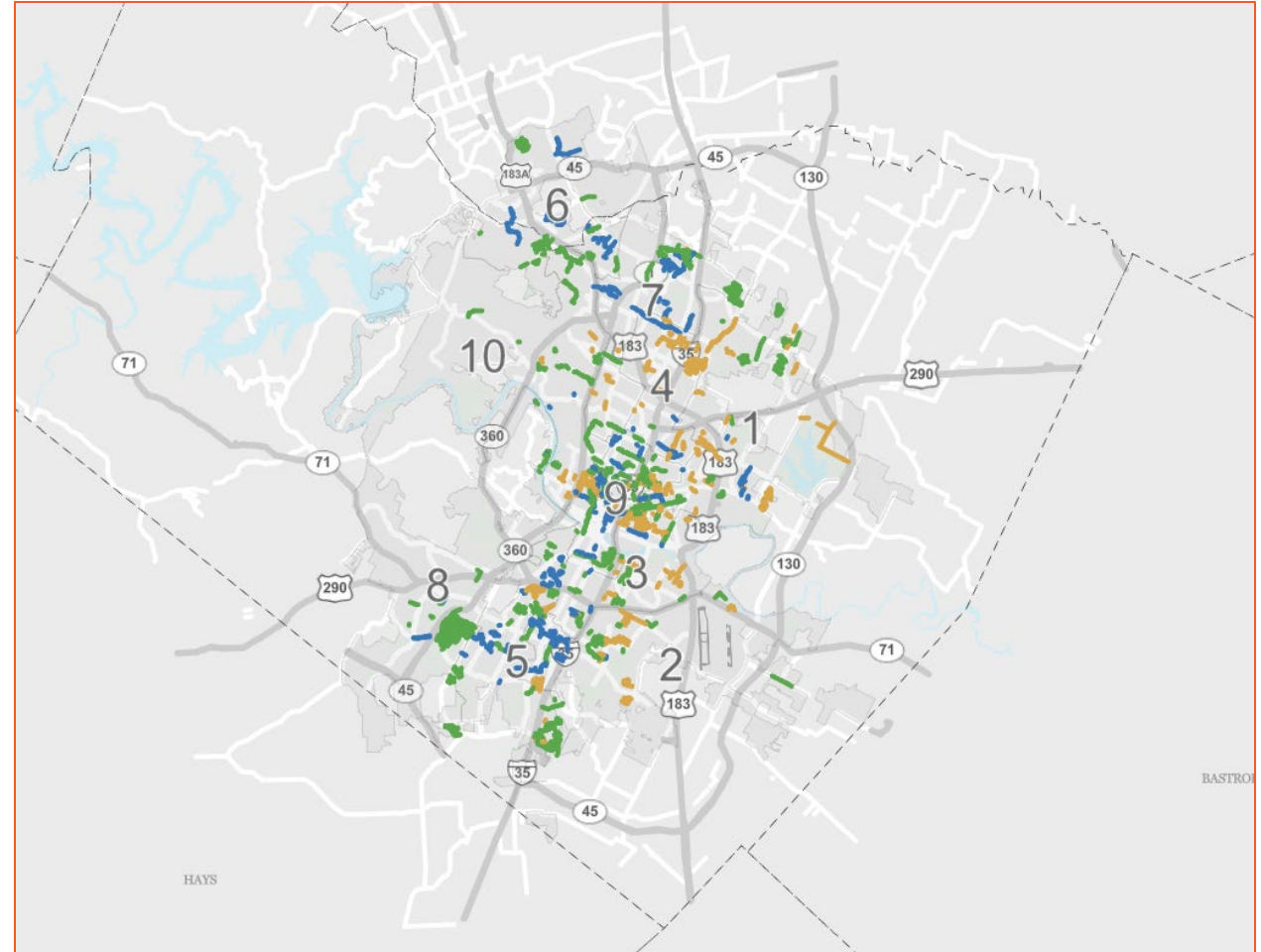


FY23 Annual Service Plan Overview

Overall Plan – FY23



Treatment	FY 2023 LMS
In-house Overlay	100
Seal Coat	260
Fog Seal	60
Crack Seal	200
Contract Overlay	44
Contract Slurry Seal	40
TOTAL TREATMENT	704



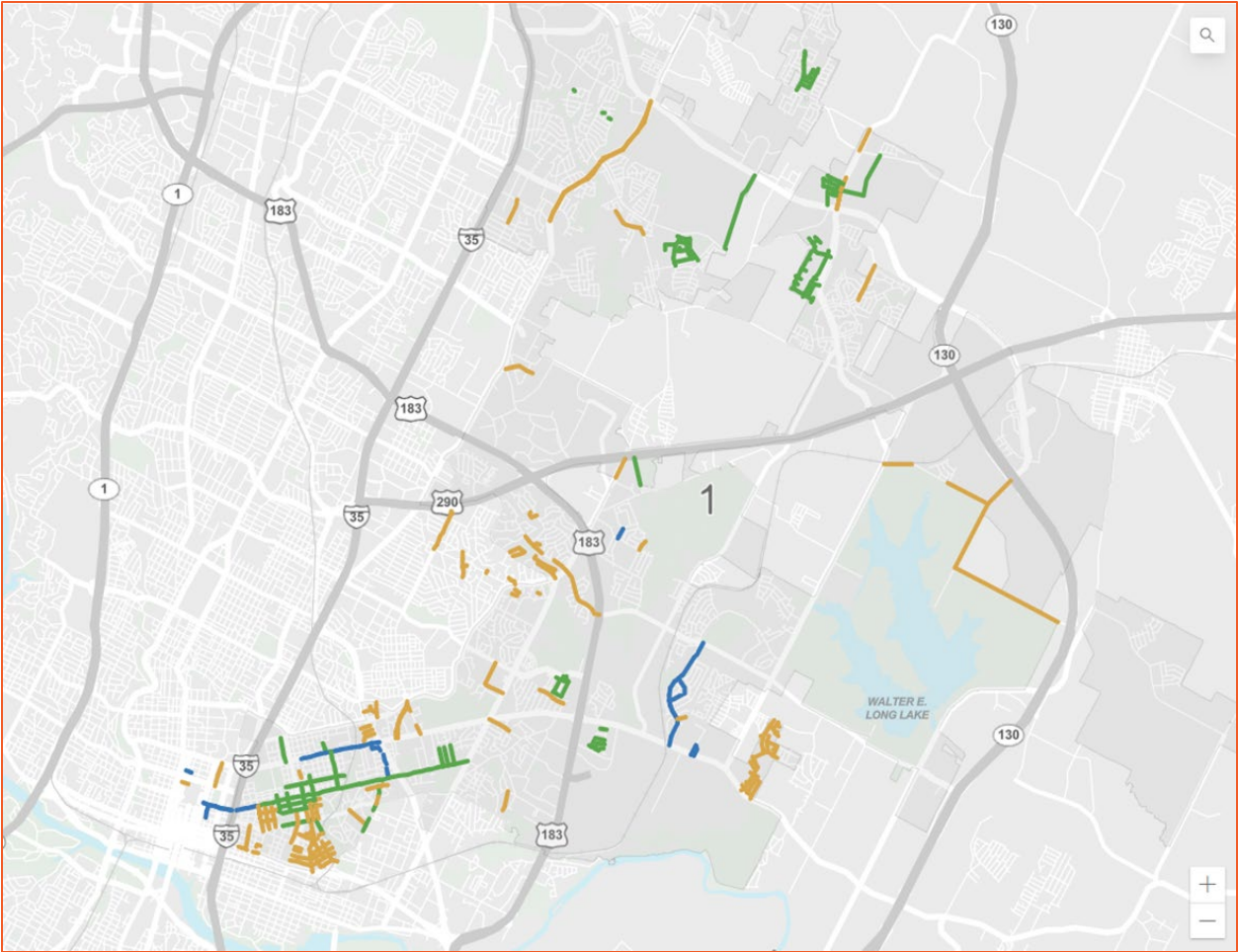
District 1 *(Example – Adjust as Needed)*



TOTAL LANE MILES	1,004.7
TOTAL PLANNED TREATMENT	<u>152.9</u>
OVERLAY	15.7
CRACK SEAL	83.6
SEAL COAT / SLURRY SEAL	53.6

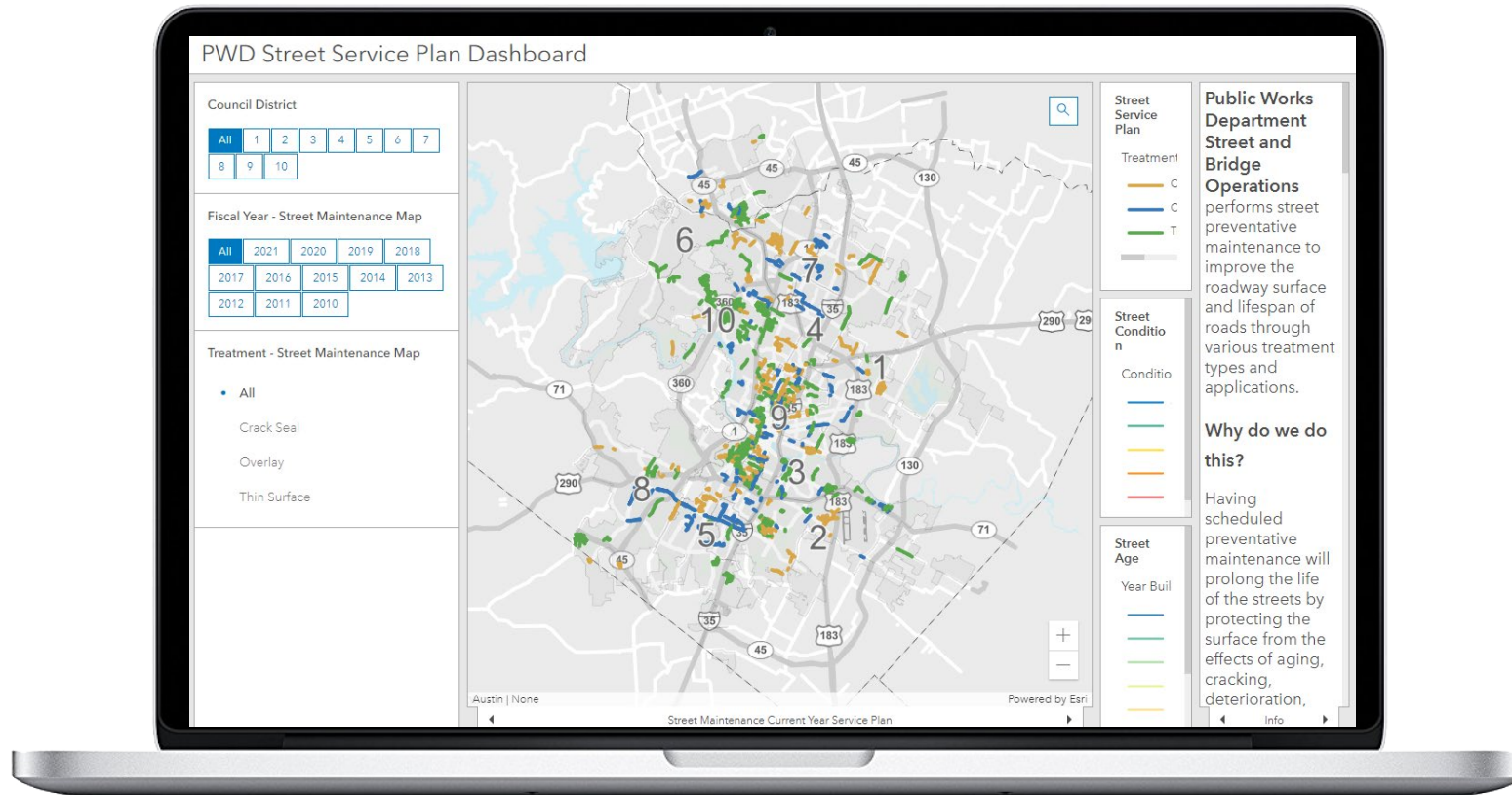


[PWD Street Service Plan Dashboard \(arcgis.com\)](#)



FY23 Street Service Plan

GIS TOOL



PWD Street Service Plan Dashboard

Let's explore a [GIS tool](#) that shows street maintenance for the past 10 years, plus the current Street Service Plan.



Thank you for your time today!

If you have any questions or concerns,
please feel free to **contact us**.



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