



Pavement Management Program Update

February 27, 2024





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- Analysis and Project Planning

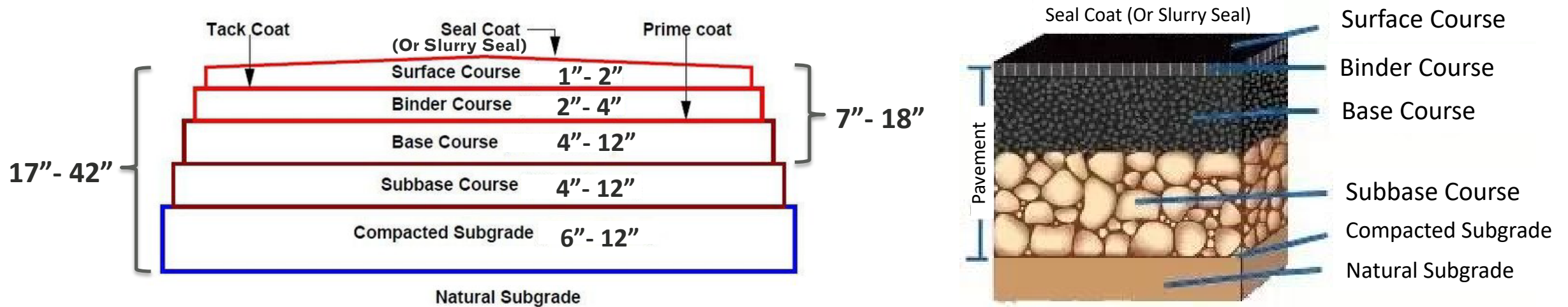




Overview of Pavement Section



Typical Asphalt Pavement Section



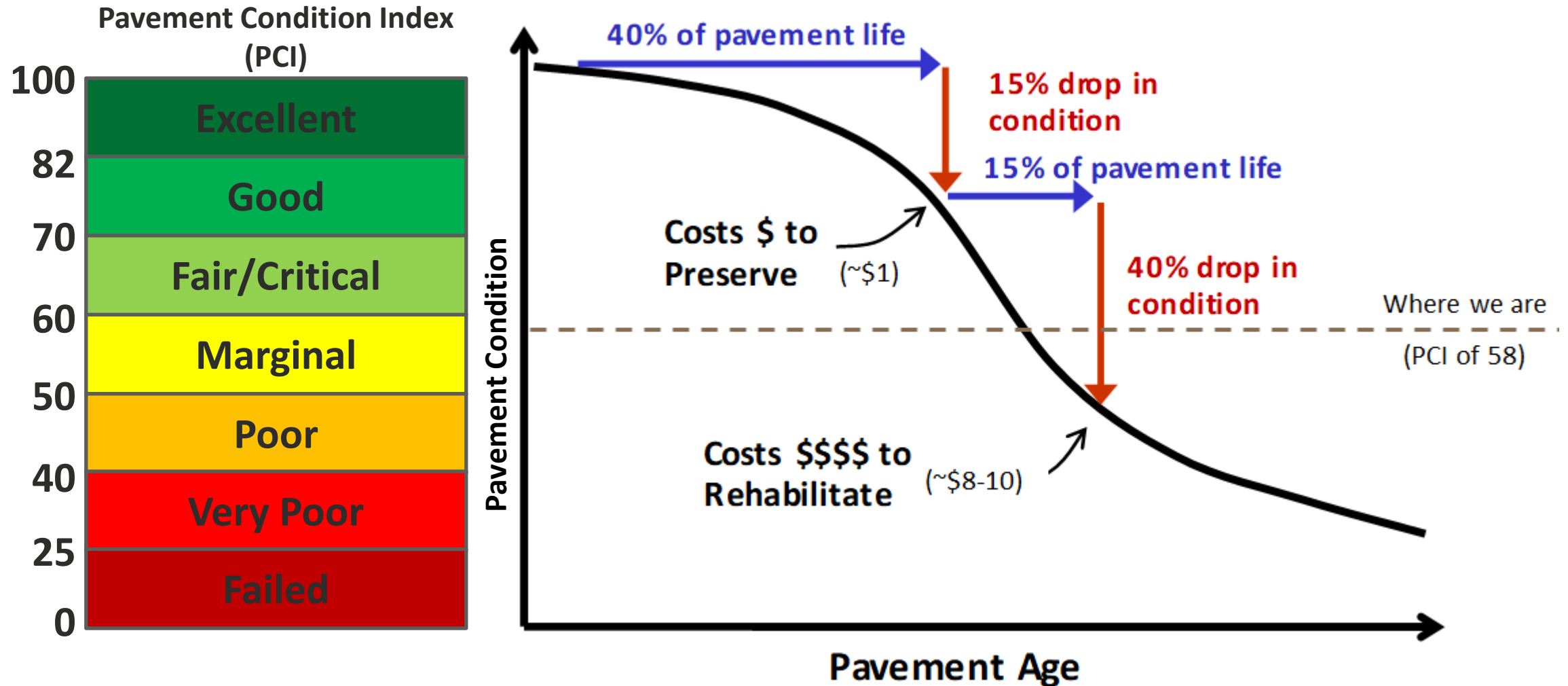
- Without being over technical, it is imperative to understand the importance of the Base Course.
- Aggregate Base Course is a very important element of any pavement section.
- It is typically composed of crushed rock ($\frac{3}{4}$ " in size down to dust).
- When properly compacted, it provides the foundation upon which asphalt or concrete is placed on. Simply put weaker the foundation, shorter the life of the pavement.



Pavement Management Program Strategy

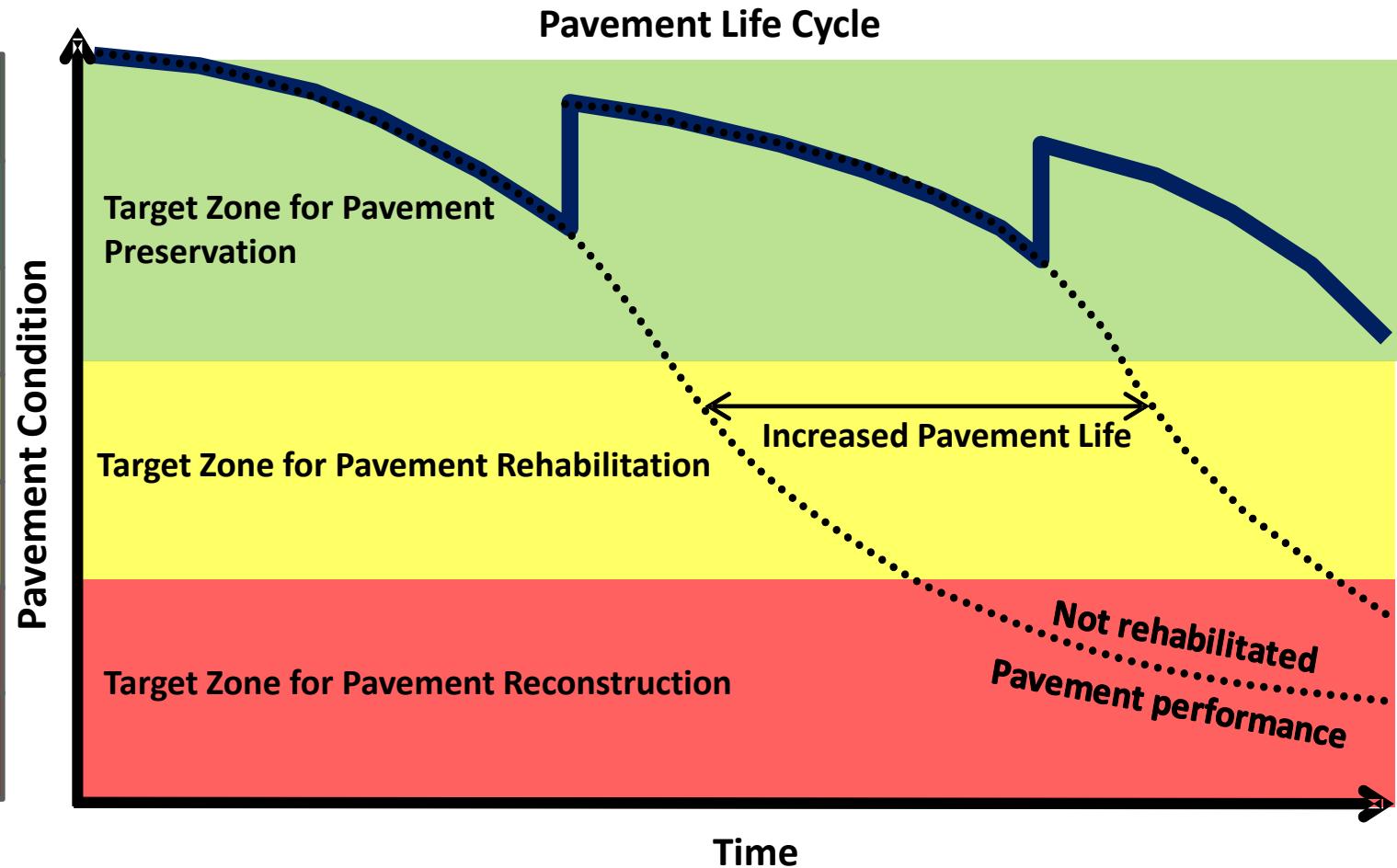


Cost of Deferral





Right Treatment, Right Time





PMP Strategy

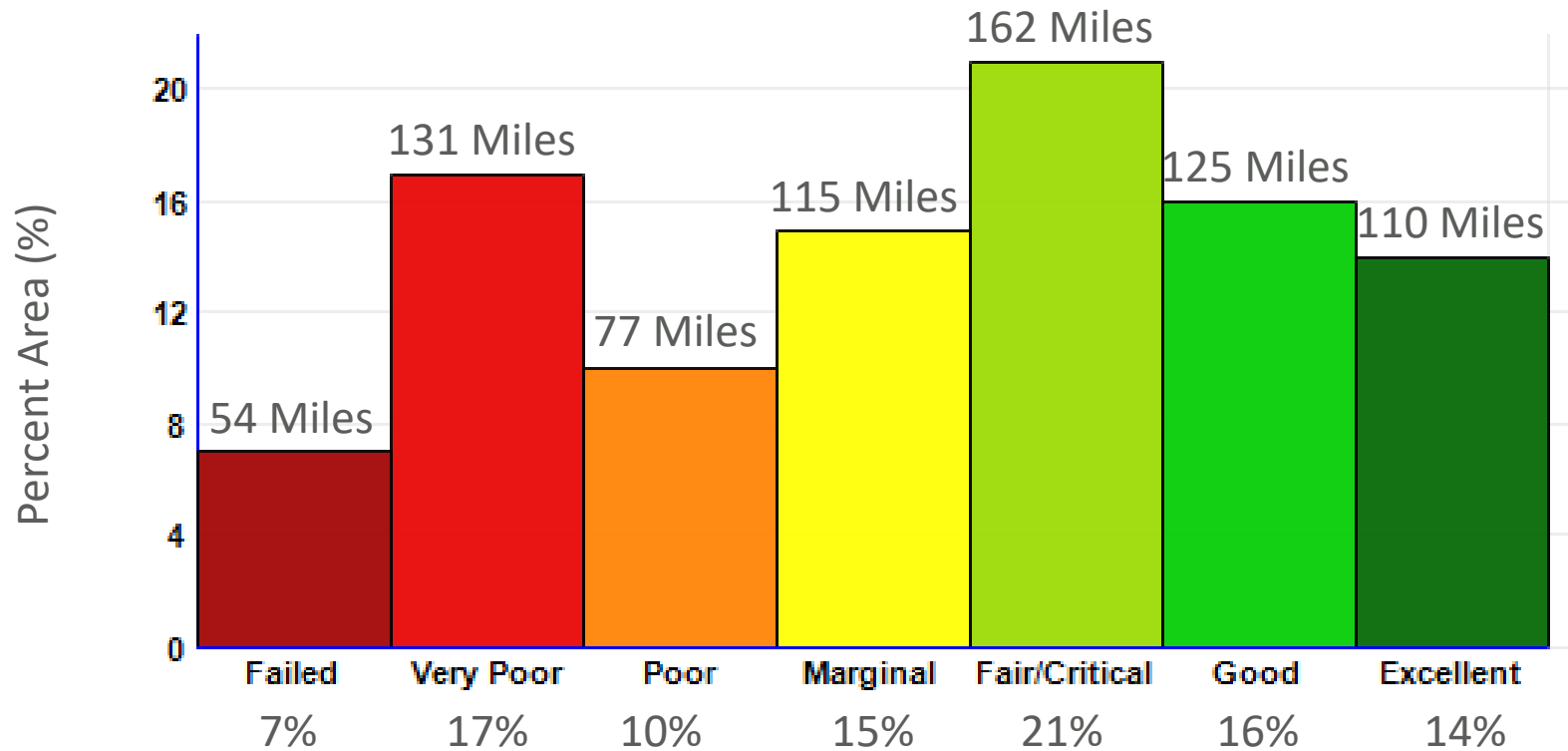
- **What have we achieved** – Pavement has been stabilized throughout the City.
- **Target** – Bring pavement to 70-72 PCI in the next 10 years, so that we spend less and thereby maximize spending to provide longer pavement life.
- **Goal** – Bring pavement to 82 PCI.



Overview of Pavement Conditions



Pavement Conditions



Centerline Miles:
774

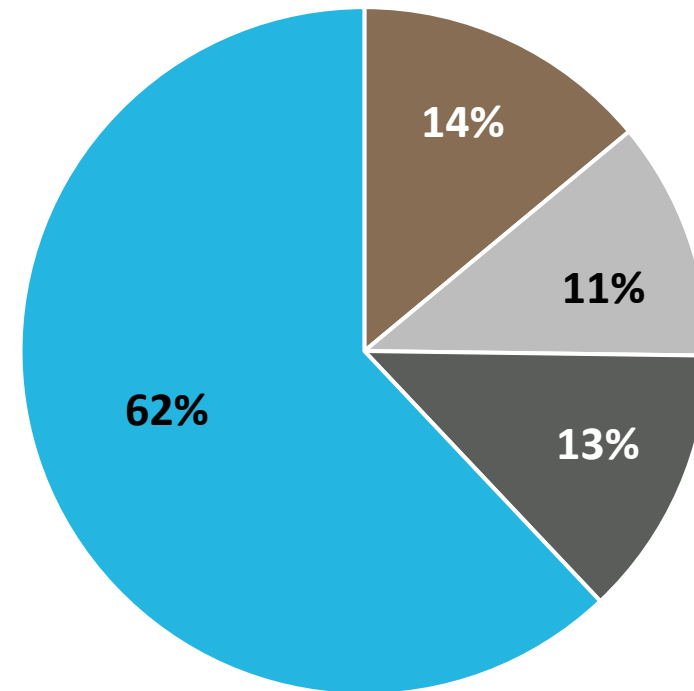
Network Average
PCI: 58

Reconstruction
Needed: 24%



Pavement Conditions per Functional Class

Functional Class	Area (SY)	Length (Mile)	PCI
Major Arterial	2,499,961	65	58
Arterial	2,008,287	62	54
Collector	2,280,652	91	64
Local	11,092,455	556	57
All	15,829,355	774	58



■ Major Arterial ■ Arterial ■ Collector ■ Local



Analysis and Project Planning



Funding Level Impact on PCI

Duration	Post PCI	Annual Budget (\$M/Yr)
10	58	20.8
10	72	31.0
10	82	35.9



Planned Miles by Functional Class

Classification	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	FY2033
Arterials	13.0	16.2	2.6	2.7	3.8	6.8	2.2	7.3	6.0	8.0
Collectors	21.1	8.5	7.0	11.8	13.7	12.4	3.5	1.7	1.4	4.7
Locals	107.5	92.0	87.6	72.3	38.4	73.1	31.8	22.4	14.3	14.9
TOTAL	141.6	116.7	97.2	86.8	55.9	92.3	37.5	31.4	21.7	27.6



Funding Level Impact on PCI

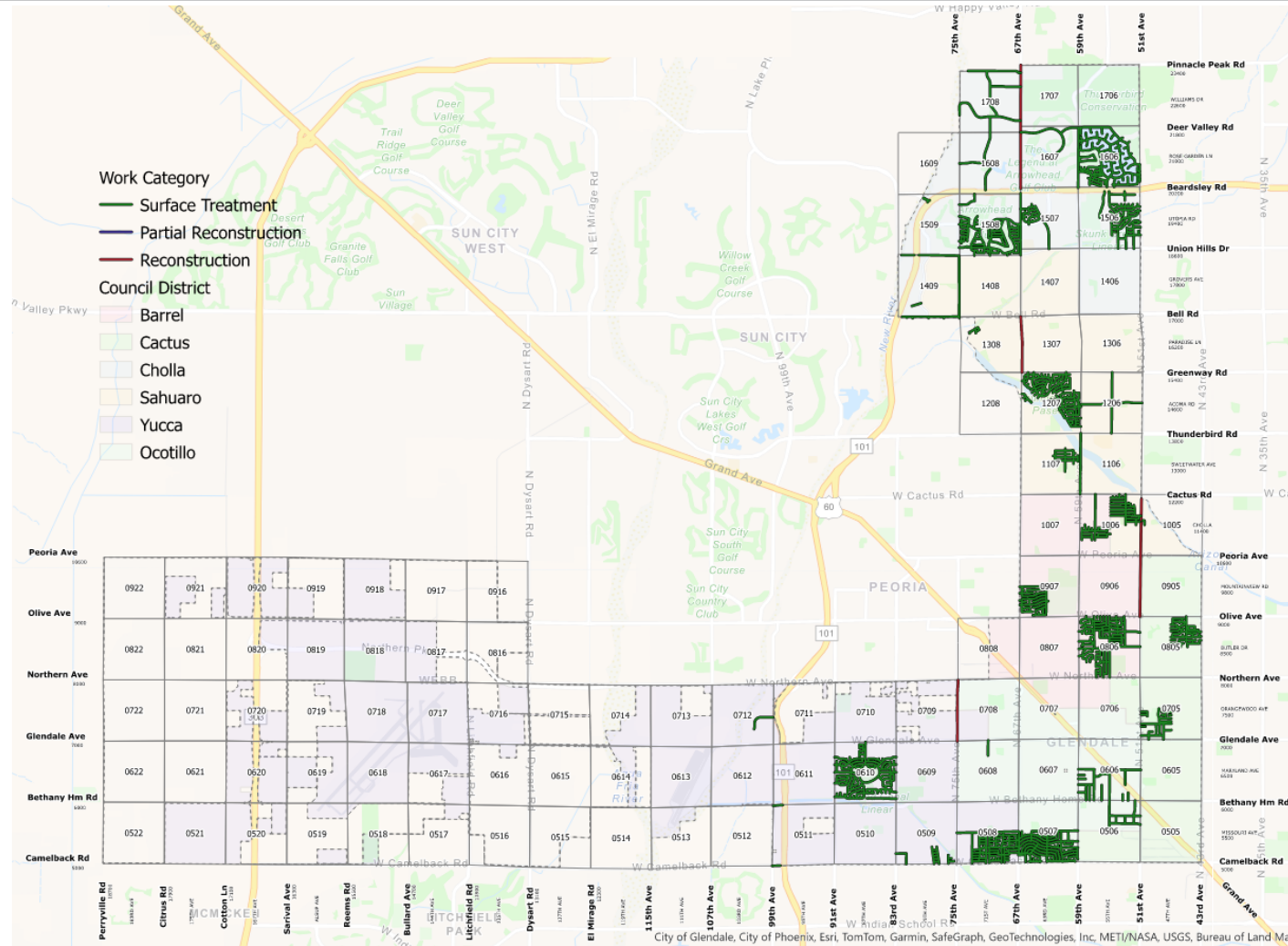
FY	PMP Budget (Transportation Sales Tax & HURF) (\$M)*	Bond Budget* (\$M)	Total Budget* (\$M)
FY24	17.1	11.4	28.5
FY25	18.1	11.6	29.6
FY26	19.0	12.0	31.0
FY27	19.9	11.5	31.4
FY28	20.9	6.8	27.7
FY29	21.9	7.0	28.9
FY30	23.0	7.2	30.2
FY31	24.1	7.4	31.5
FY32	25.3	5.6	30.8
FY33	26.5	1.0	27.5
FY24-28 Total:	94.9	53.3	148.2
FY29-33 Total:	120.8	28.2	149.0
FY24-33 Total:	215.7	81.5	297.2

*FY 2024-2033 CIP

Annual budget amounts identified do not include adjustments needed for inflation.

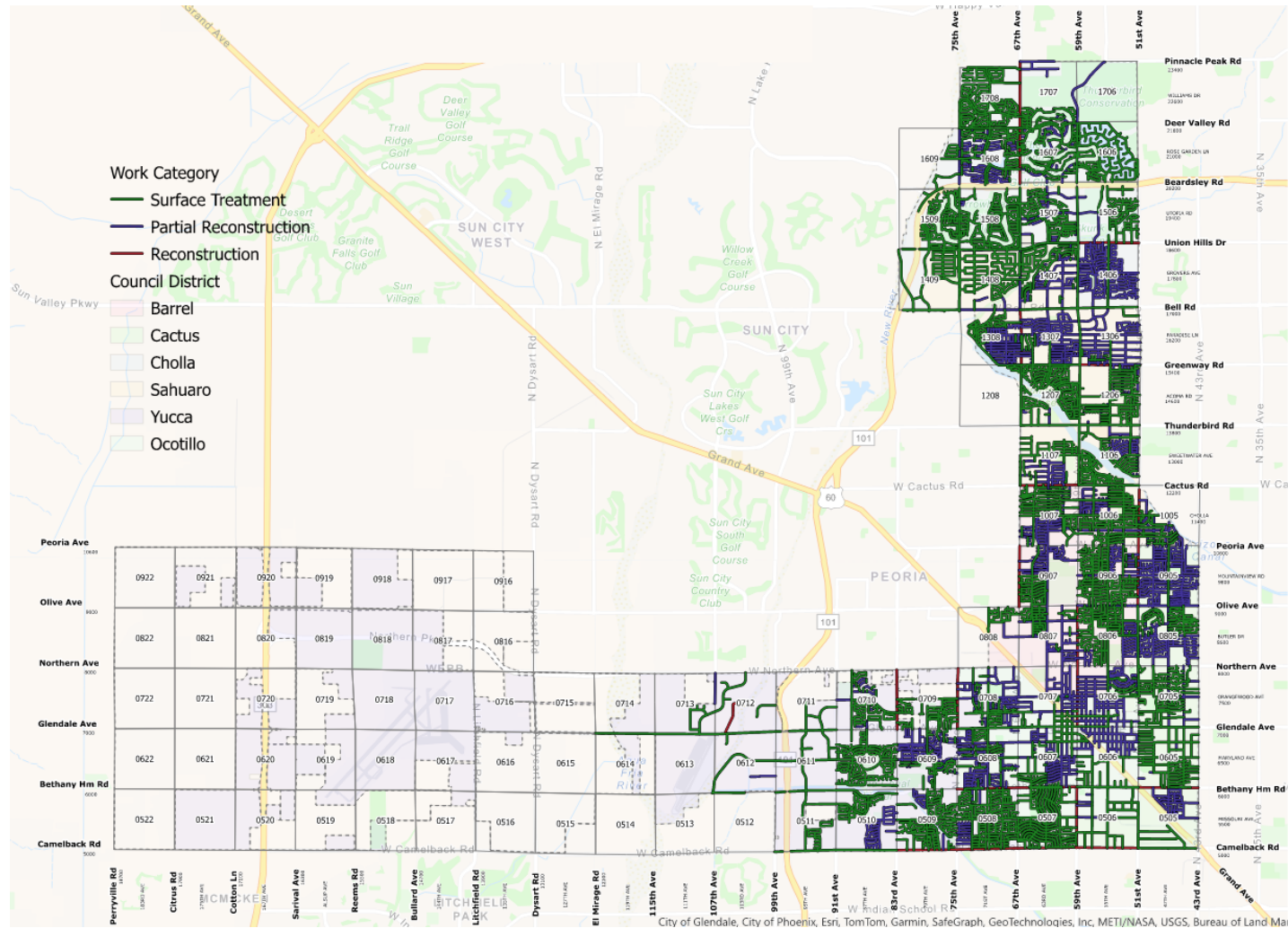


FY 2024 Projects





FY 2024-2033 Projects



City of Glendale, City of Phoenix, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Ma



[Paver Pavement Condition Map Dashboard \(Public\) \(glendaleaz.com\)](https://glendaleaz.com)³

Questions?

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