



PUBLIC WORKS
OPERATIONS

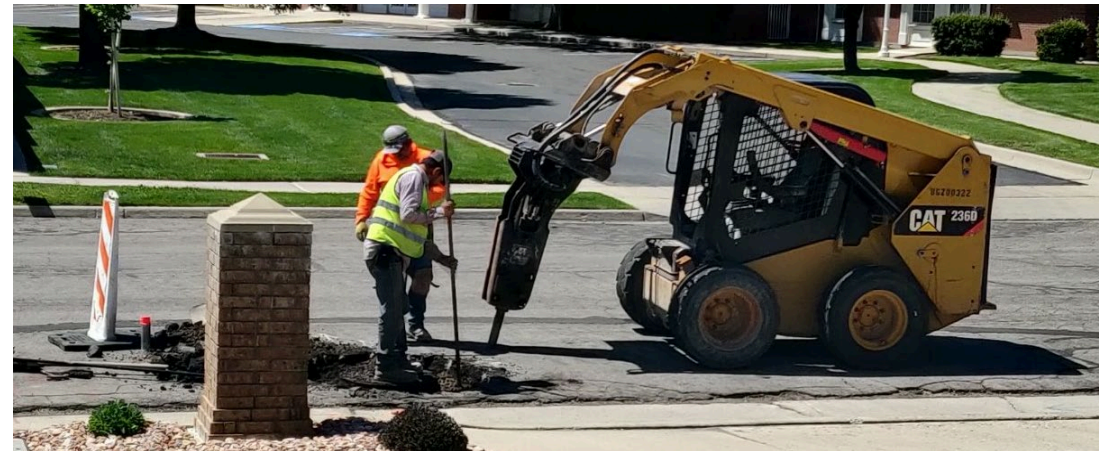
White City Pavement Management

August 2025



Public Works Operations Provides the Following Services:

- Road inspections (3-year rotation)
- Data management
- Mill and overlays of asphalt surface (2")
- Repairs
 - Potholes
 - Crack sealing
 - Mastic patch
 - Asphalt patch
- Micropave (contracted)
- Slurry seals (contracted)



**SL SALT LAKE
COUNTY**
PUBLIC WORKS
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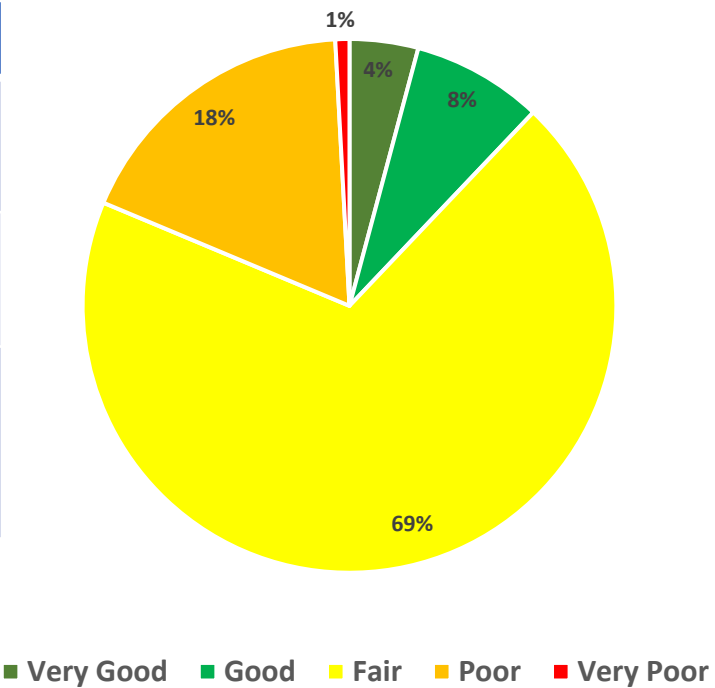


Pavement Preservation

	Very Good	Good	Fair	Poor	Very Poor	Total
Centerline Condition	4%	8%	69%	18%	1%	100%
Centerline Miles	0.88	1.23	12.52	3.36	00.16	18.15
Area Square Feet	119,465	228,070	1,989,460	512,458	24,502	15,919,708

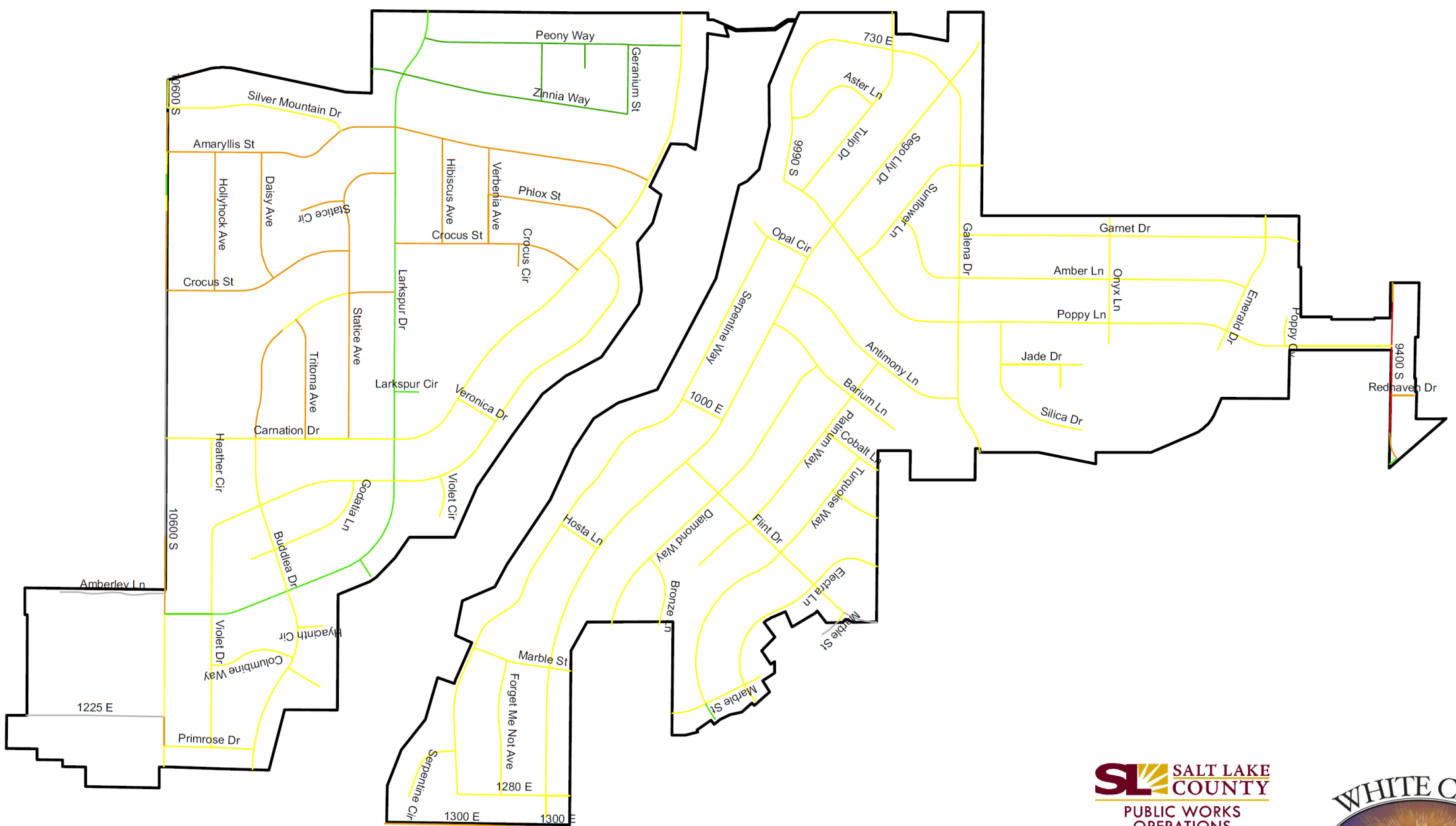
Average Road Segment OCI = 69.88

White City Pavement Condition



White City Current Condition





White City Current Condition



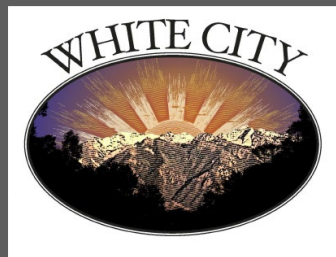
Budget Forecast Assumptions:

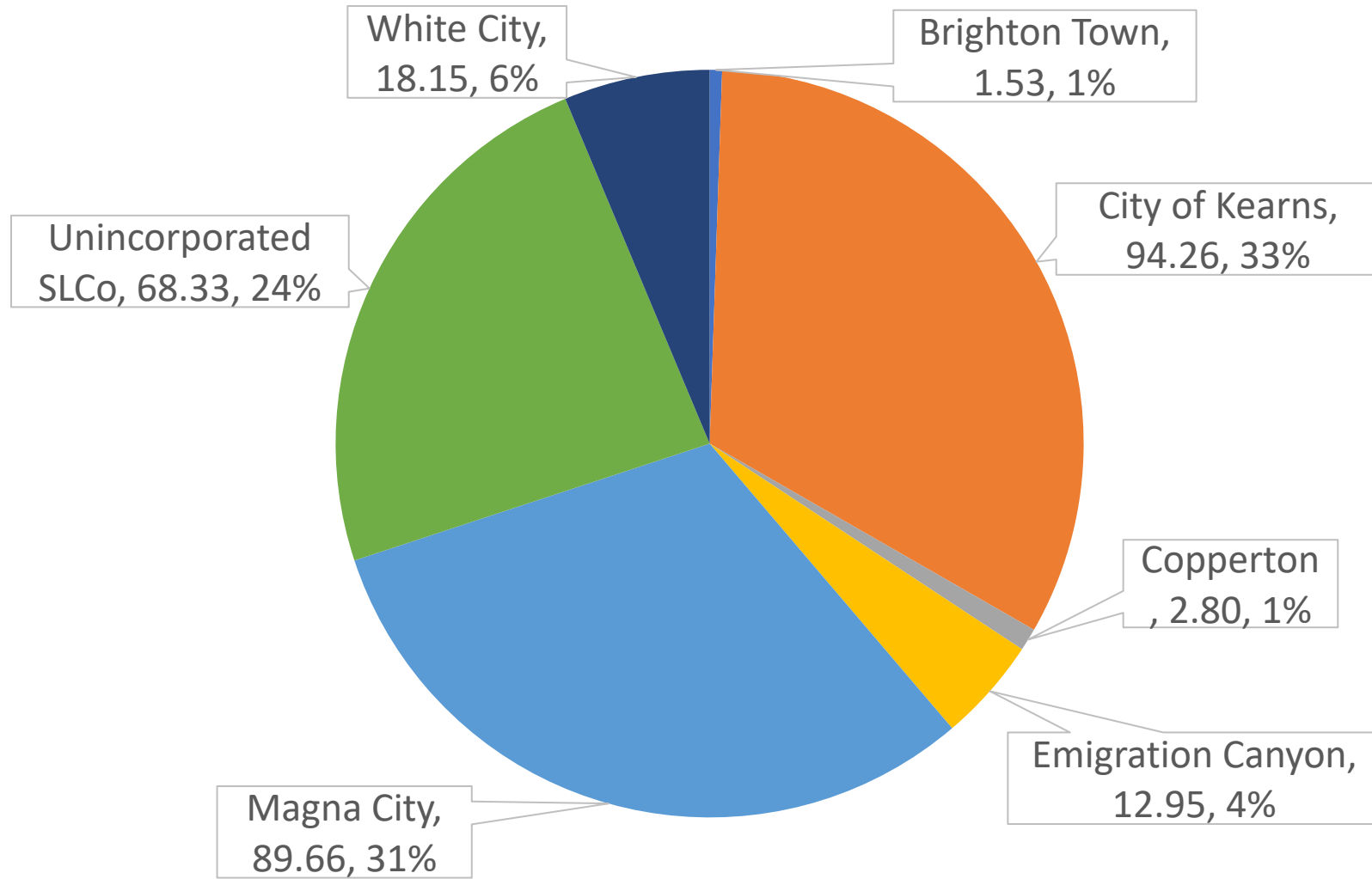
- Does not consider concrete improvements, asphalt maintenance only.
- Class B&C road fund allocations to jurisdiction set at 2024 allocations plus 3% annual growth (avg. statewide from past 5-yr)
- Linear deterioration rate of asphalt vs. 20-yr service life
- Construction inflation of 6.5%
- Engineering reconstruction projects available every ~ 6 years up to approximately ~50,000 SF.
- Overlay available every ~ 3 years up to 135,000 SF



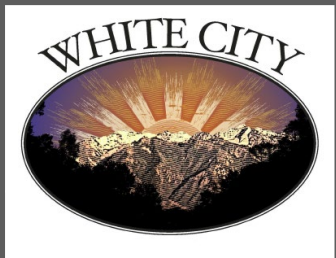
2025-2045 Budget Forecast

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GSLMSD Road Miles (July 2025)



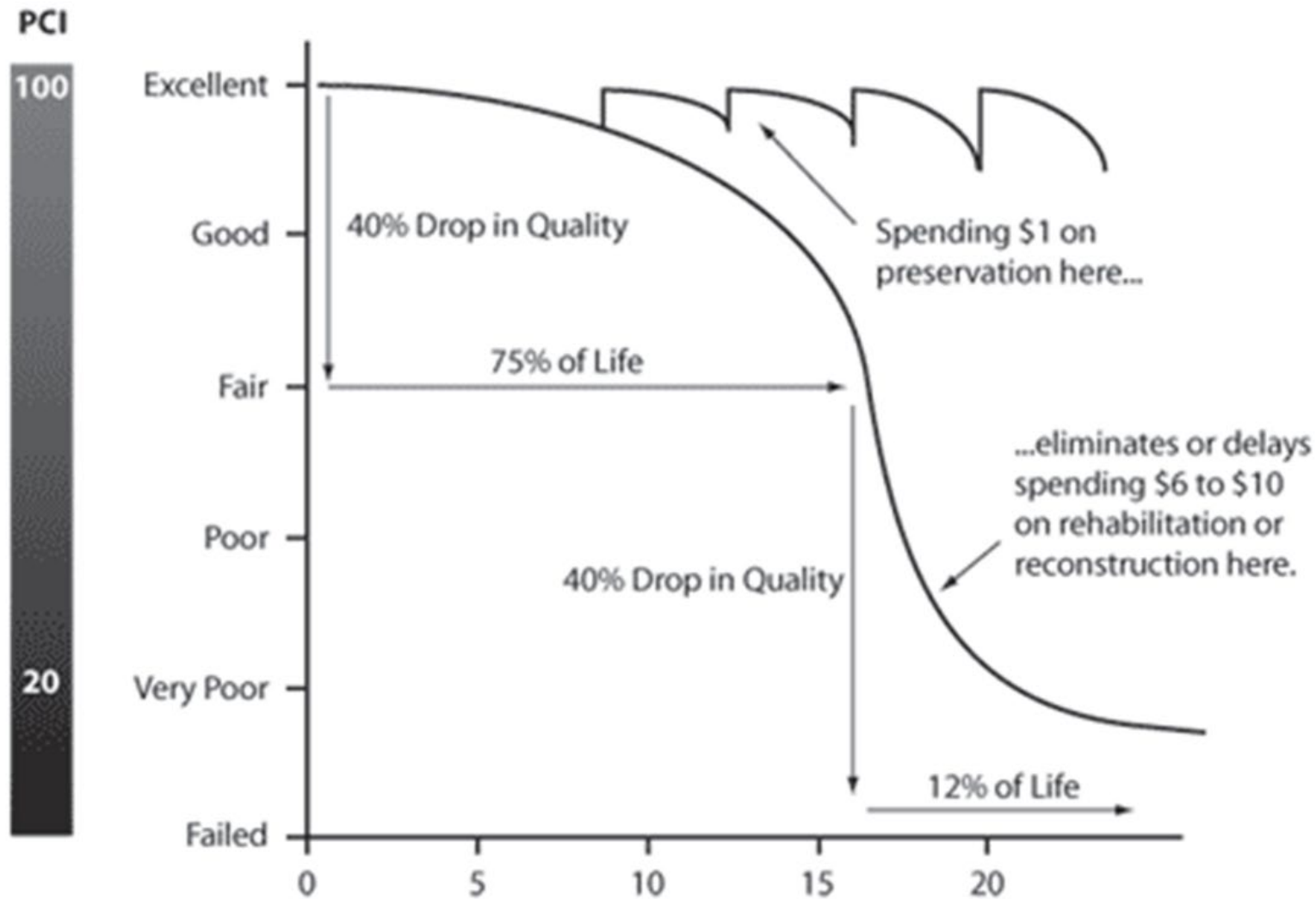
Treatment Type	Minimum (yrs)	Average (yrs)	Maximum (yrs)
Thin (< 2.5-inch) Hot-Mix Asphalt (HMA) Overlay	2	8	12
Thick (≥ 2.5-inch) HMA Overlay	6	10	17
Single Chip Seal	1	6	12
Double Chip Seal	4	9	15
Thin (< 2.5-inch) Mill and Fill	4	8	20
Thick (≥ 2.5-inch) Mill and Fill	6	10	17
Cold-In-Place HMA Recycling	5	10	20
Crack Sealing	2	3	10
Microsurfacing	4	6	10

Source: Federal Highway Administration. (2017). *Pavement performance measures and forecasting and the effects of maintenance and rehabilitation strategy on treatment effectiveness (Revised)* (FHWA-HRT-17-095). U.S. Department of Transportation.

<https://www.fhwa.dot.gov/publications/research/infrastructure/pavements/ltp/17095/003.cfm>

Treatment Performance

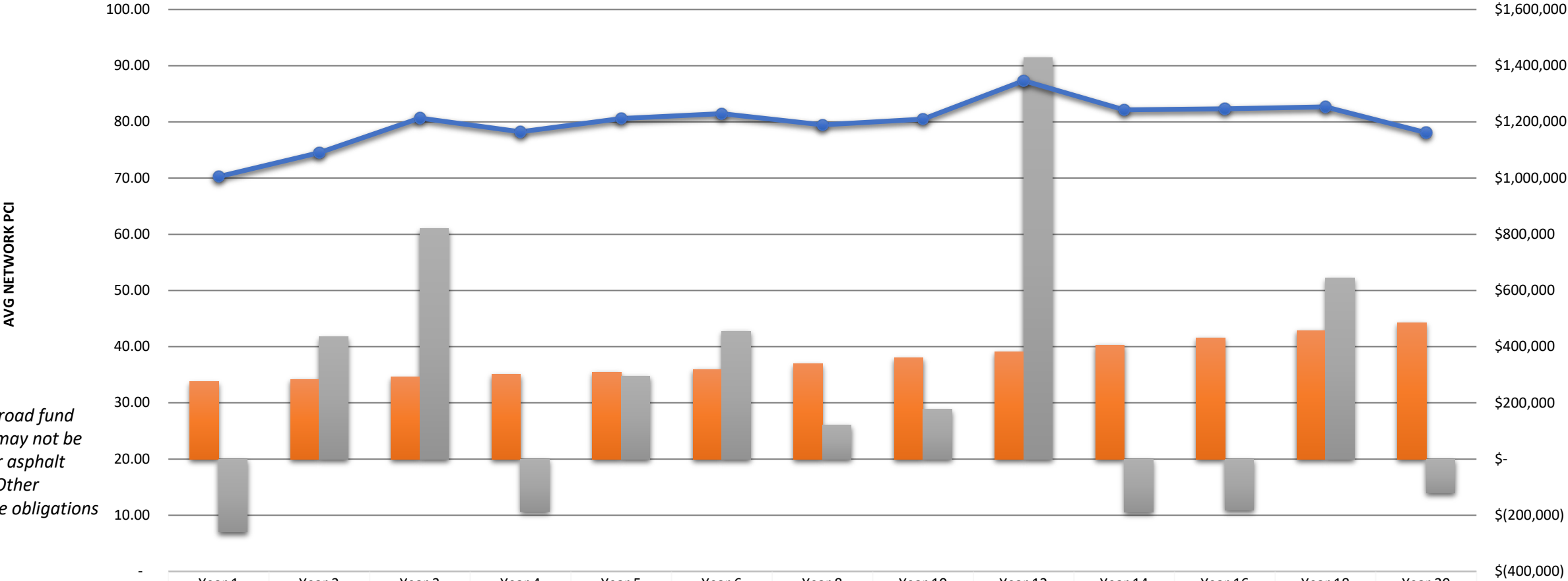




Pavement Preservation



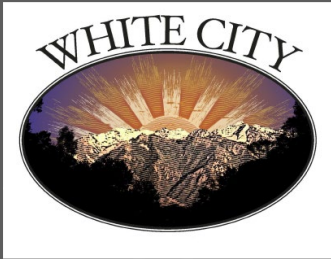
Average PCI vs Budget



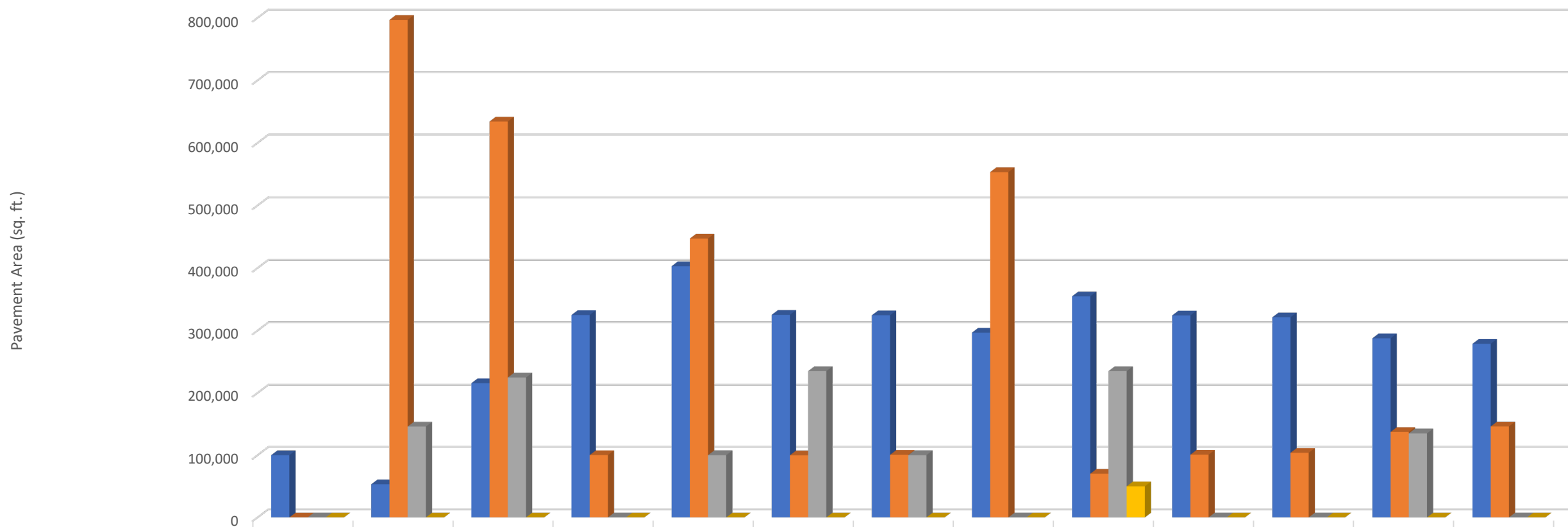
**All of B&C road fund allocations may not be available for asphalt treatment. Other maintenance obligations may exist.*

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 8	Year 10	Year 12	Year 14	Year 16	Year 18	Year 20
B & C Funding	\$275,000	\$283,367	\$291,988	\$300,871	\$310,025	\$319,457	\$339,190	\$360,143	\$382,390	\$406,012	\$431,092	\$457,722	\$485,997
Supplemental Funding Needed	\$(260,000)	\$434,920	\$819,642	\$(185,165)	\$295,335	\$455,595	\$120,688	\$176,656	\$1,429,317	\$(188,334)	\$(181,687)	\$644,018	\$(120,336)
Average PCI	70.26	74.50	80.67	78.24	80.62	81.45	79.47	80.47	87.33	82.13	82.31	82.66	78.08

2025-2045 Budget Forecast



Pavement Treatment Area by Type(sq. ft.)



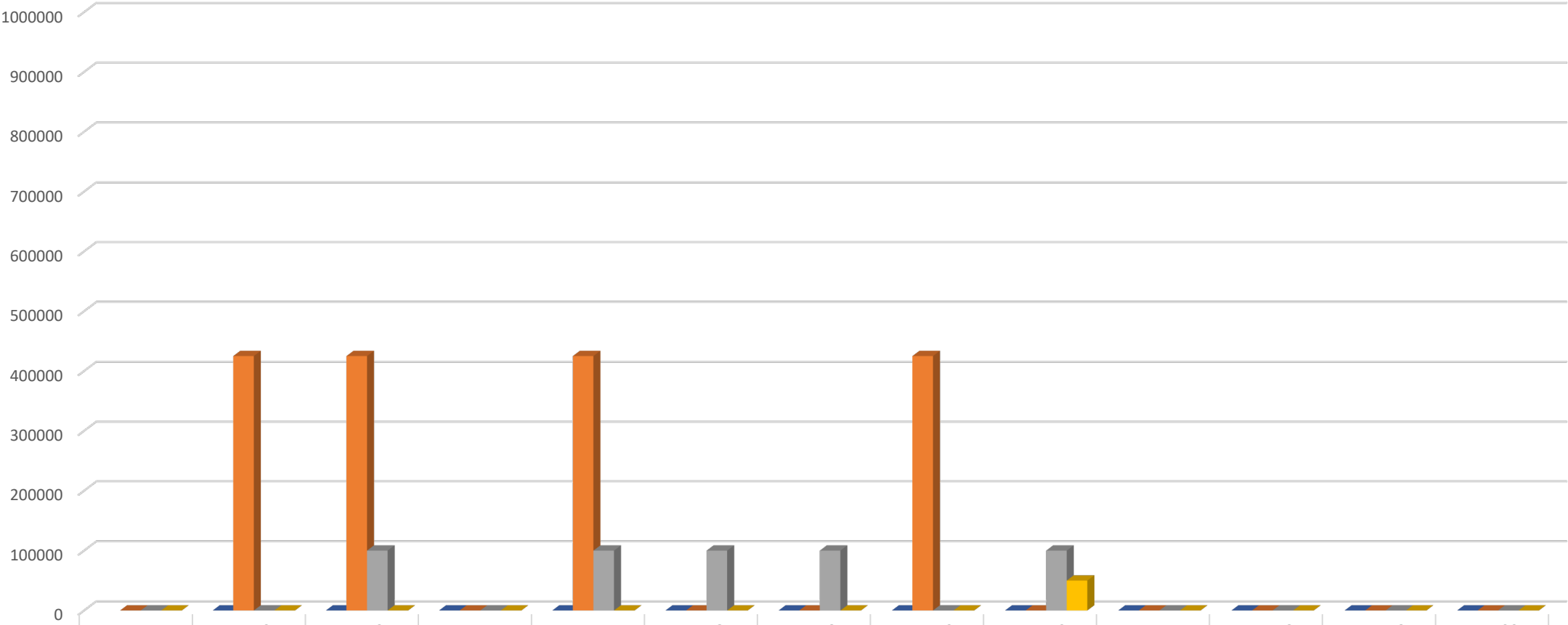
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 8	Year 10	Year 12	Year 14	Year 16	Year 18	Year 20
■ Routine	100,000	53,290	215,718	324,883	402,939	325,170	324,423	296,704	354,725	324,220	321,171	287,686	278,848
■ Preventative (Slurry or Micropave)	0	796,710	634,282	100,117	447,061	99,830	100,577	553,296	70,275	100,780	103,829	137,314	146,152
■ Rehabilitation (Mill and Overlay)	0	146,000	224,804	0	100,000	235,000	100,000	0	235,000	0	0	135,000	0
■ Reconstruction	0	0	0	0	0	0	0	0	50,000	0	0	0	0

2025-2045 Budget Forecast



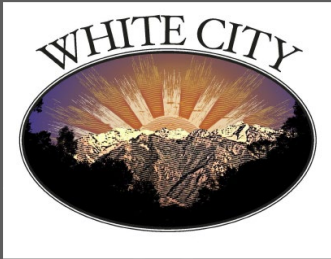
Supplemental Pavement Maintenance by Type

Pavement Treatment (SF)



	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 8	Year 10	Year 12	Year 14	Year 16	Year 18	Year 20
Contract Routine Maintenance	0	0	0	0	0	0	0	0	0	0	0	0	0
Contract Preventative Maintenance	0	425000	425000	0	425000	0	0	425000	0	0	0	0	0
Contract Rehabilitation	0	0	100000	0	100000	100000	100000	0	100000	0	0	0	0
Contract Reconstruction	0	0	0	0	0	0	0	0	50000	0	0	0	0

2025-2045 Budget Forecast



- Supplemental mill & overlay until network achieves average PCI of 80 or “good” condition in 10-12 years, then is maintained through remaining 20-year period within Operations current level of service (for overlays)
- Equilibrium of “good” condition achieved with 1/5th of road network receiving maintenance each year
- Supplemental preventative maintenance suggested beyond Operations current level of service by approximately 100% through first 10 years

Model Takeaways

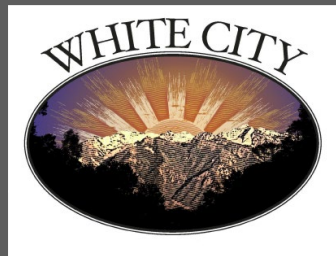


Interactive Web Map:

- Provide current pavement condition index (composite of 3-year data)
- Show planned Operations performed/managed:
 - Mill and Overlays (Red)
 - Micropave (Purple)
 - Slurry Seals (Blue)
- Includes recommended capital projects for MSD Engineering
 - Proposed (Orange)
 - Known funded capital projects (Green)

Link: [Operations Pavement Management Plan](#)

FY26-FY28 Pavement Plan



QUESTIONS?



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