

2A PROJECT PLAN 2023-2026

Leo Evans

July 19th, 2023

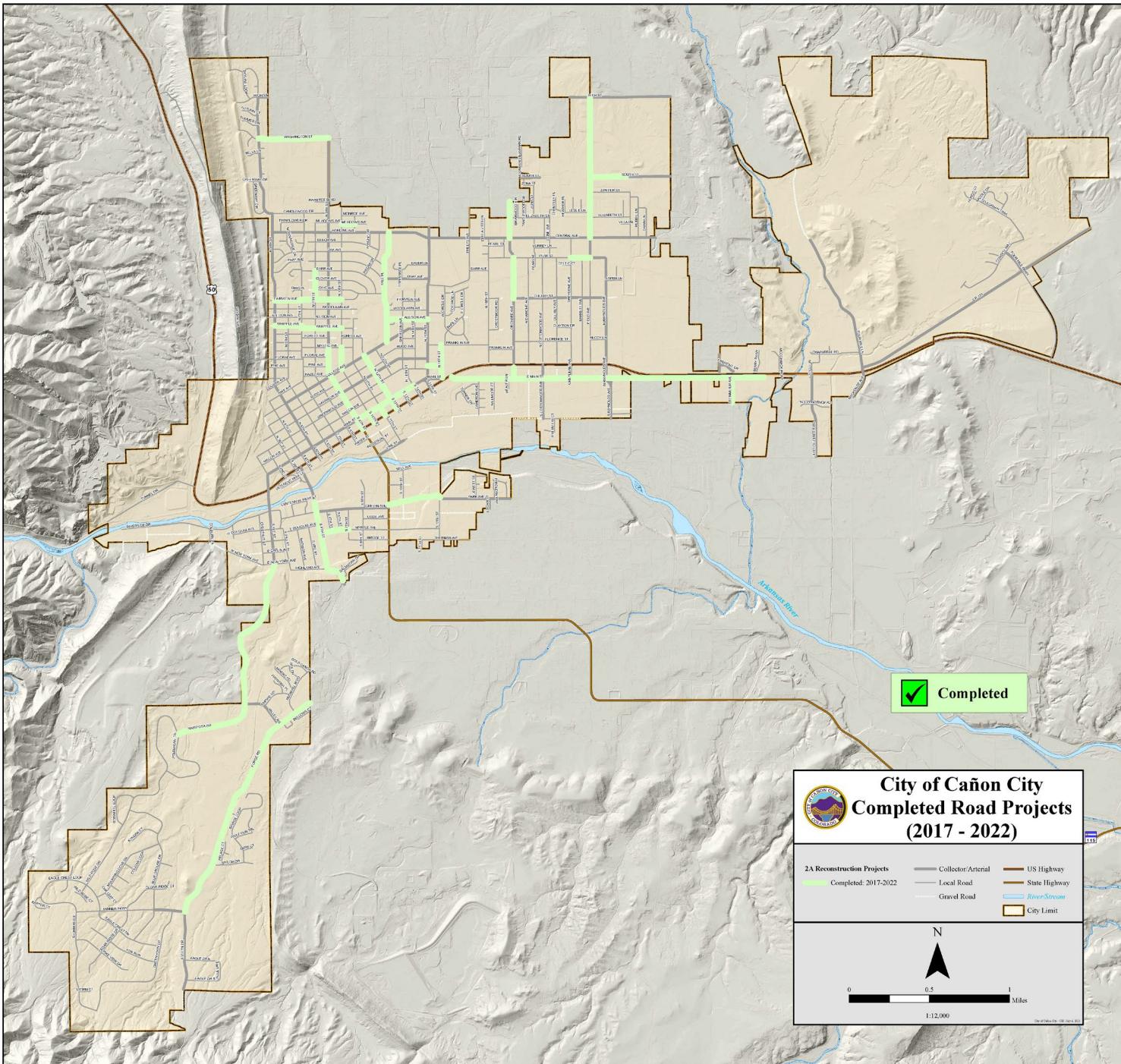
Updated July 20th, 2023 - With Meeting Comments

2017 – 2022 COMPLETED PROJECTS

\$19.0M Invested To Date

11.85 Miles of Roadway Improved

7/19/2023



2023 - 2026 IN PROCESS

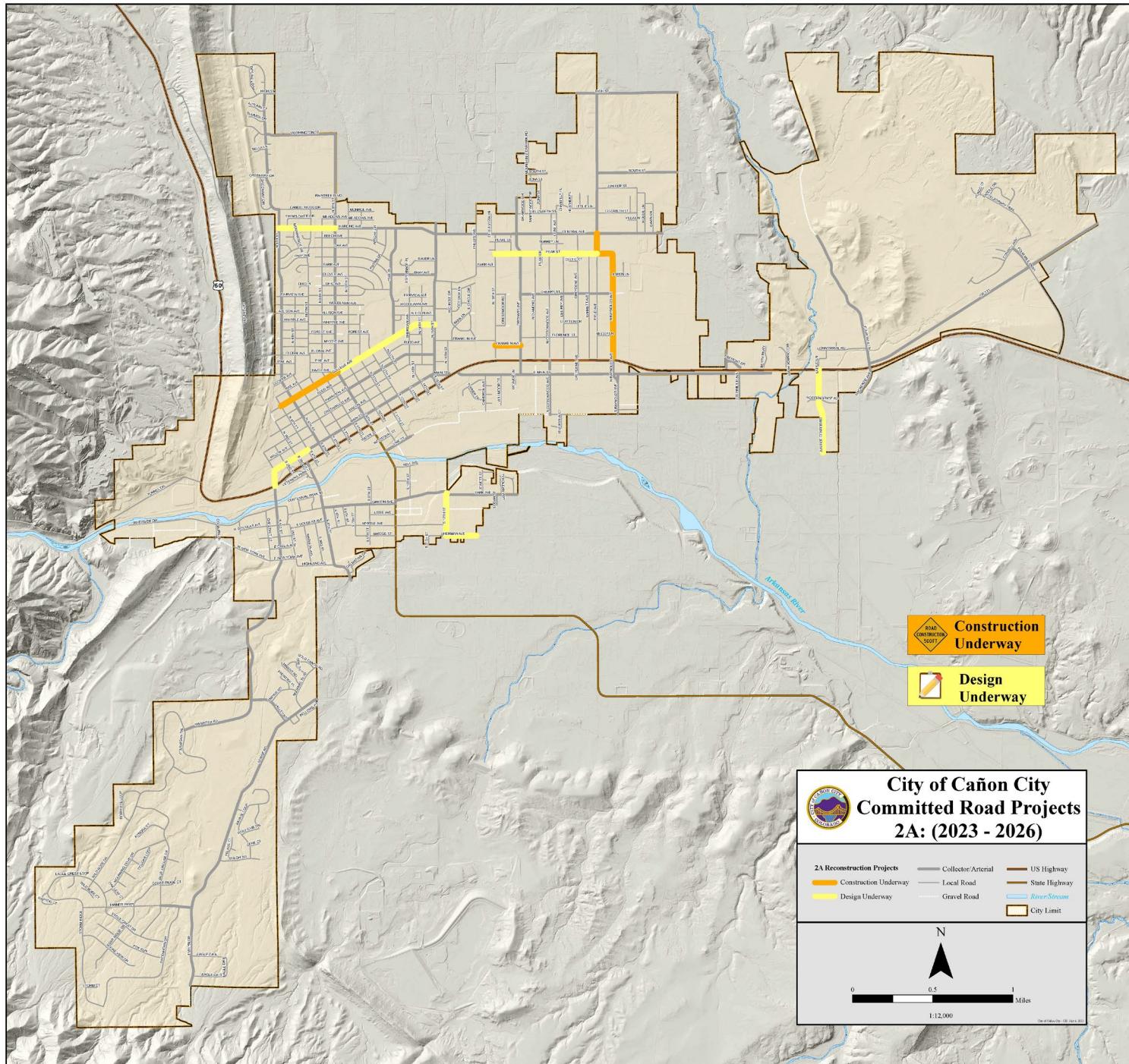
\$11.1M In Underway Projects

4.67 Miles of Roadway Improved

Yellow - Survey & Design either underway or completed through existing contracts with Vivid Engineering. Have not been issued for bidding or awarded construction contracts.

Orange - Currently awarded and under construction or planned for construction in 2023.

7/19/2023



2A - FINANCIAL STATUS

2022 End of Year Audited Balance = \$5.9M

3-Year Average Revenue = \$4.6M/Year (2020 - 2022)

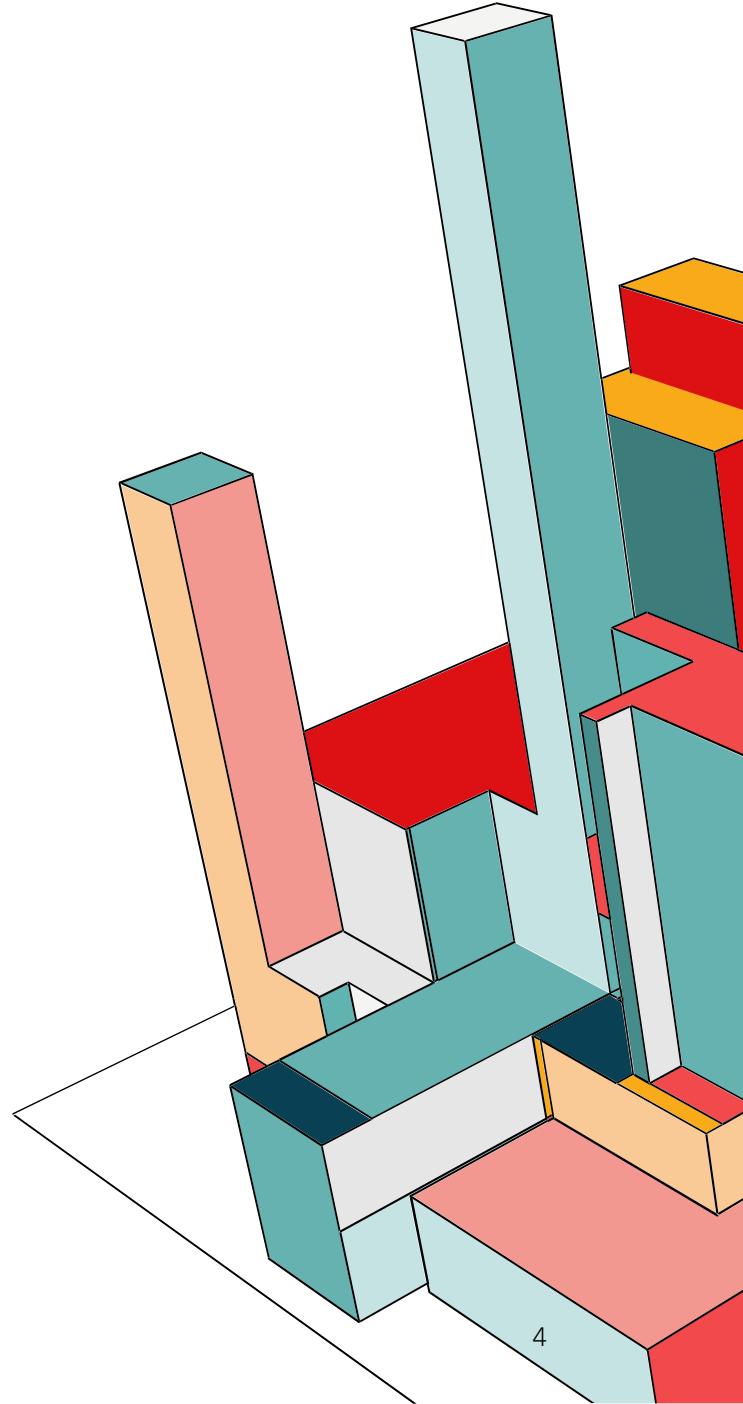
Remaining (2023 - 2026) = \$5.9M + \$4.6M x 4 Years = \$24.3M

In Process Project Construction = Approximately \$11.1M

Future Projects Engineering / Survey = Approximately \$2.0M

Future Debt Service = \$2.8M

Available for Construction = \$8.4M



2023 - 2026 PROPOSED NEW PROJECTS

\$8.2M In Additional Projects

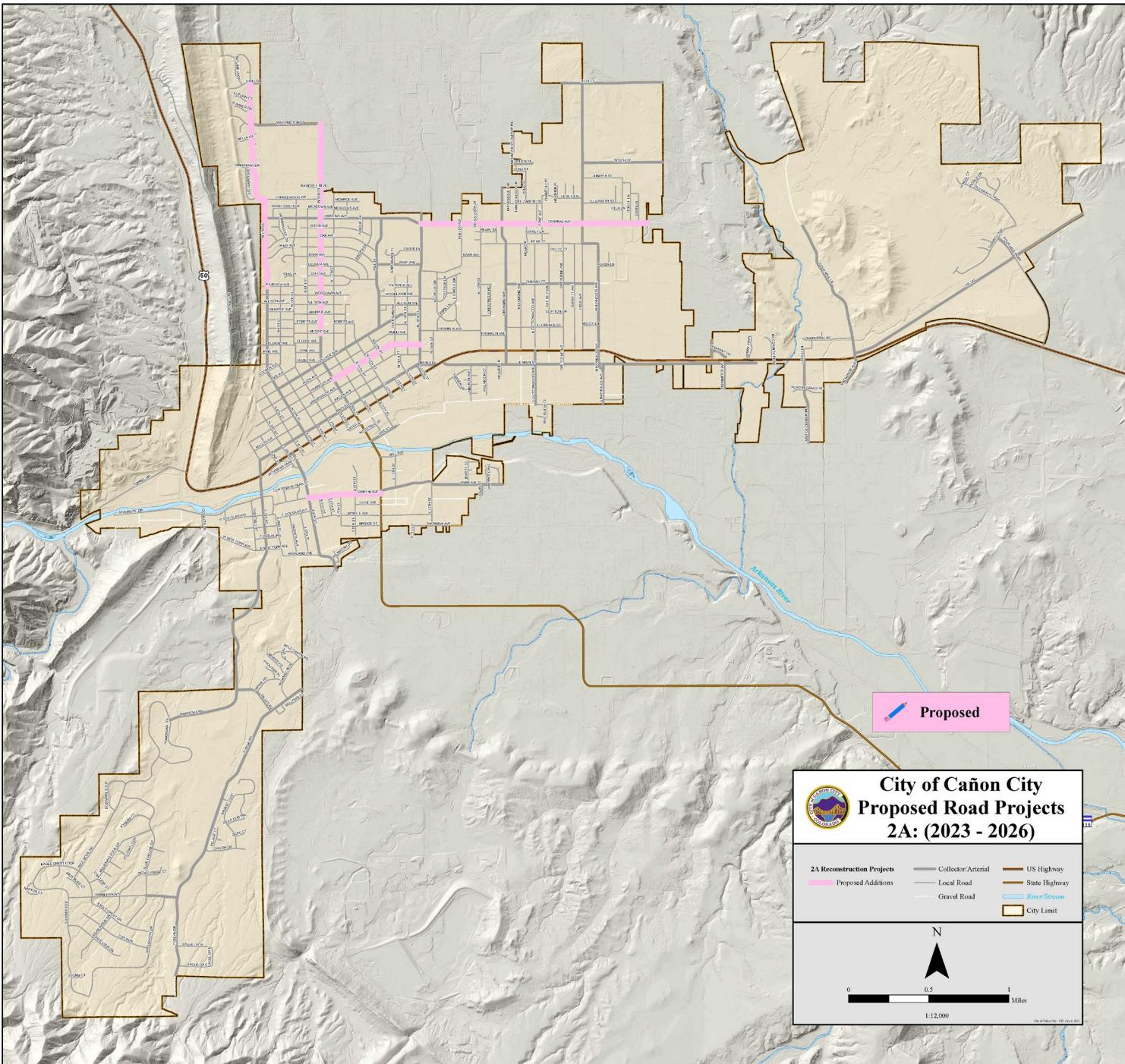
5.08 Miles of Roadway Improved

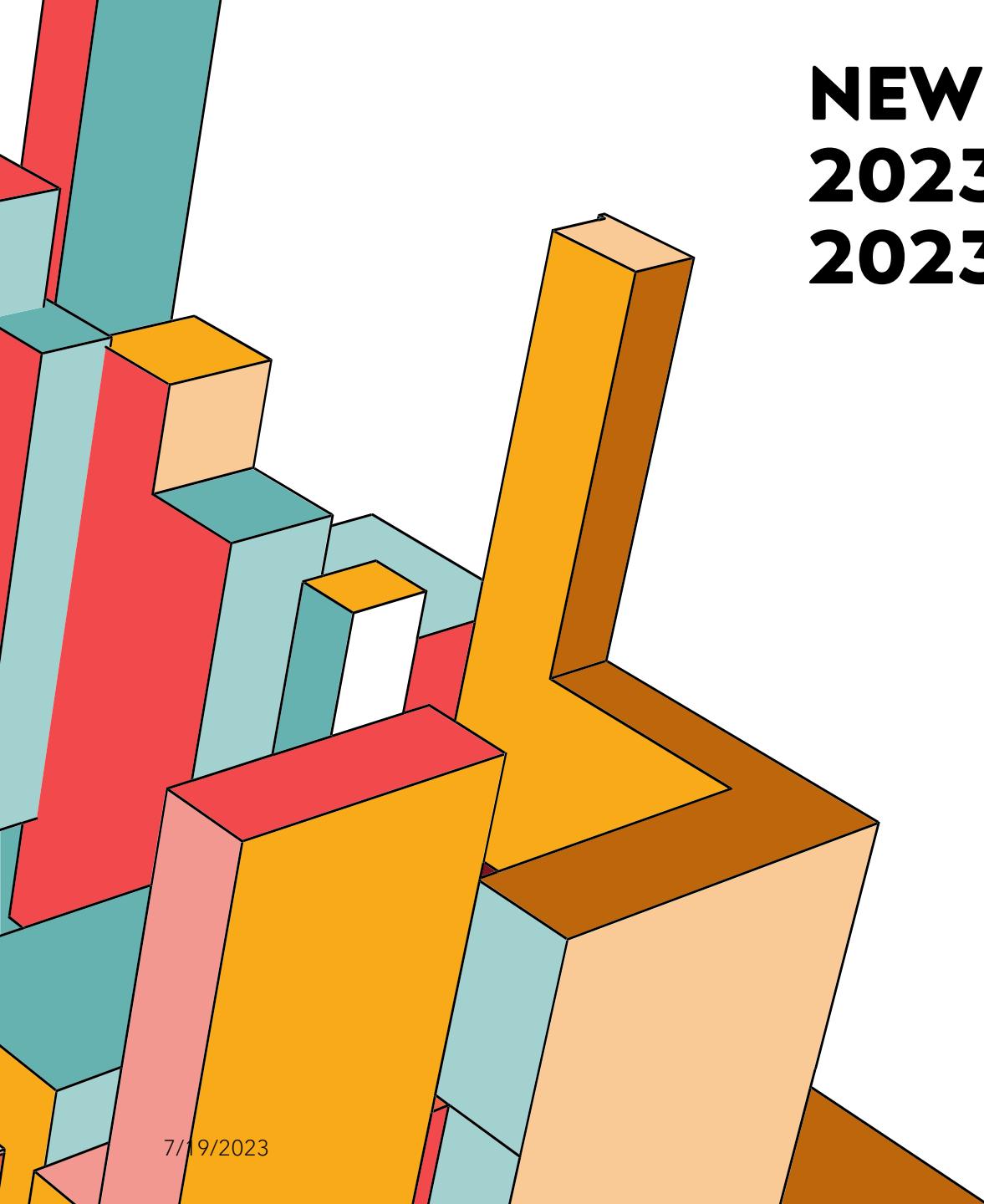
Focus:

- Arterial / Collector Streets
- Long Standing Projects within 2A

Variety of Scope of Work

7/19/2023





NEW PROJECTS

2023 – 5TH (FAIRVIEW TO HIGH)

2023 – HARRISON (9TH TO 15TH)

Heavy Maintenance Versus Replacement

The proposed projects call for cold milling the existing pavement and replacing the surface with approximately 2" of new asphalt

Minimal curb and gutter will be replaced

ADA Compliant sidewalk ramps will be added at intersections

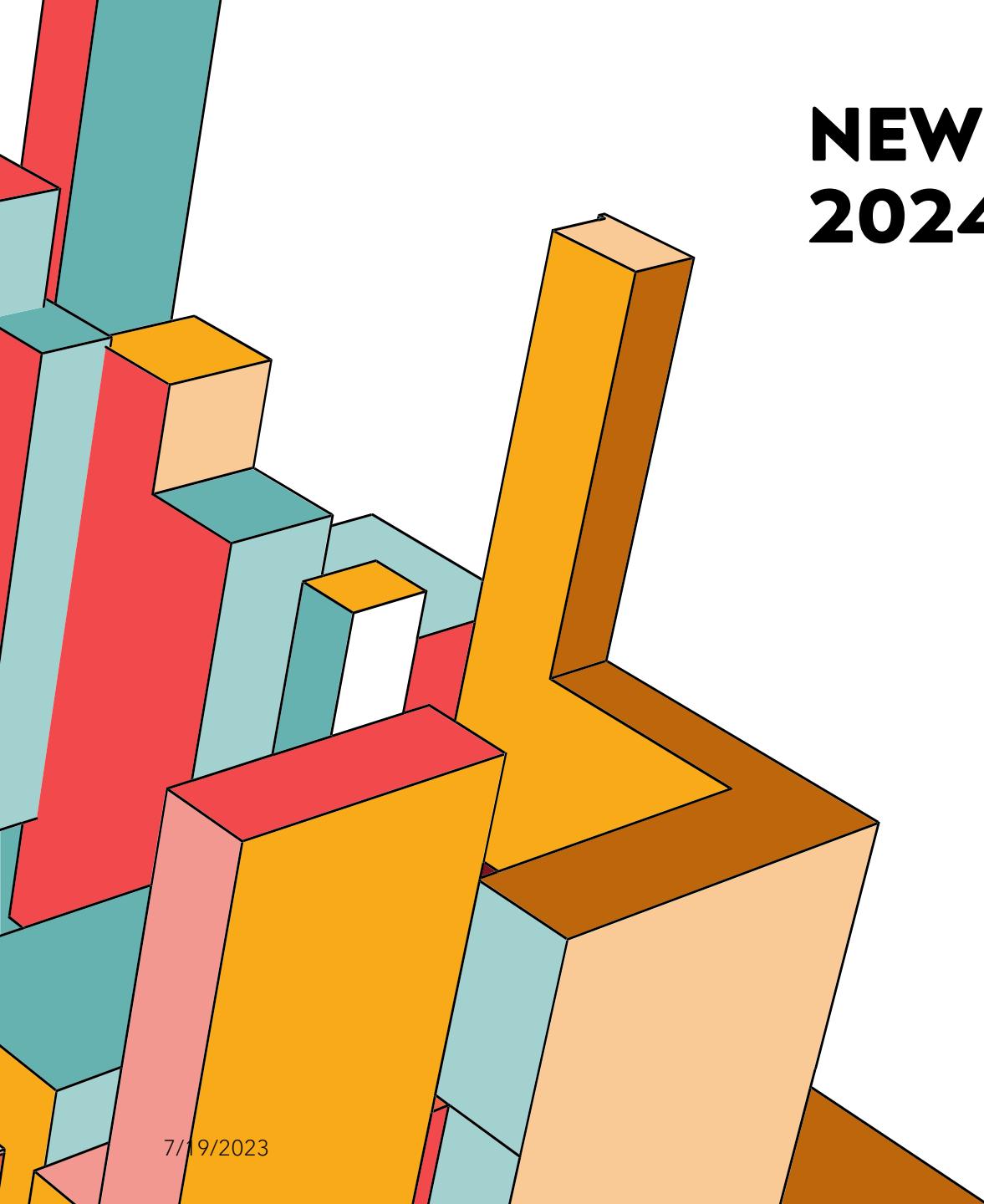
Reasons To Consider Maintenance Approach

Less impetus to replace underground utilities (SDRF revisions?)

Cost for repair is ~50% of the alternative repair (pavement inlay)

Construction duration is reduced dramatically

Economies of Scale with other mill & resurface projects bid together



NEW PROJECTS 2024 – CENTRAL (15TH – DRAKE)

Arterial Roadway & Not Fully Urbanized Setting

The proposed projects call for 2" asphalt overlay, adding paved shoulders, and intersection improvements

No changes to drainage patterns

Potential left turn lanes at Orchard & Field

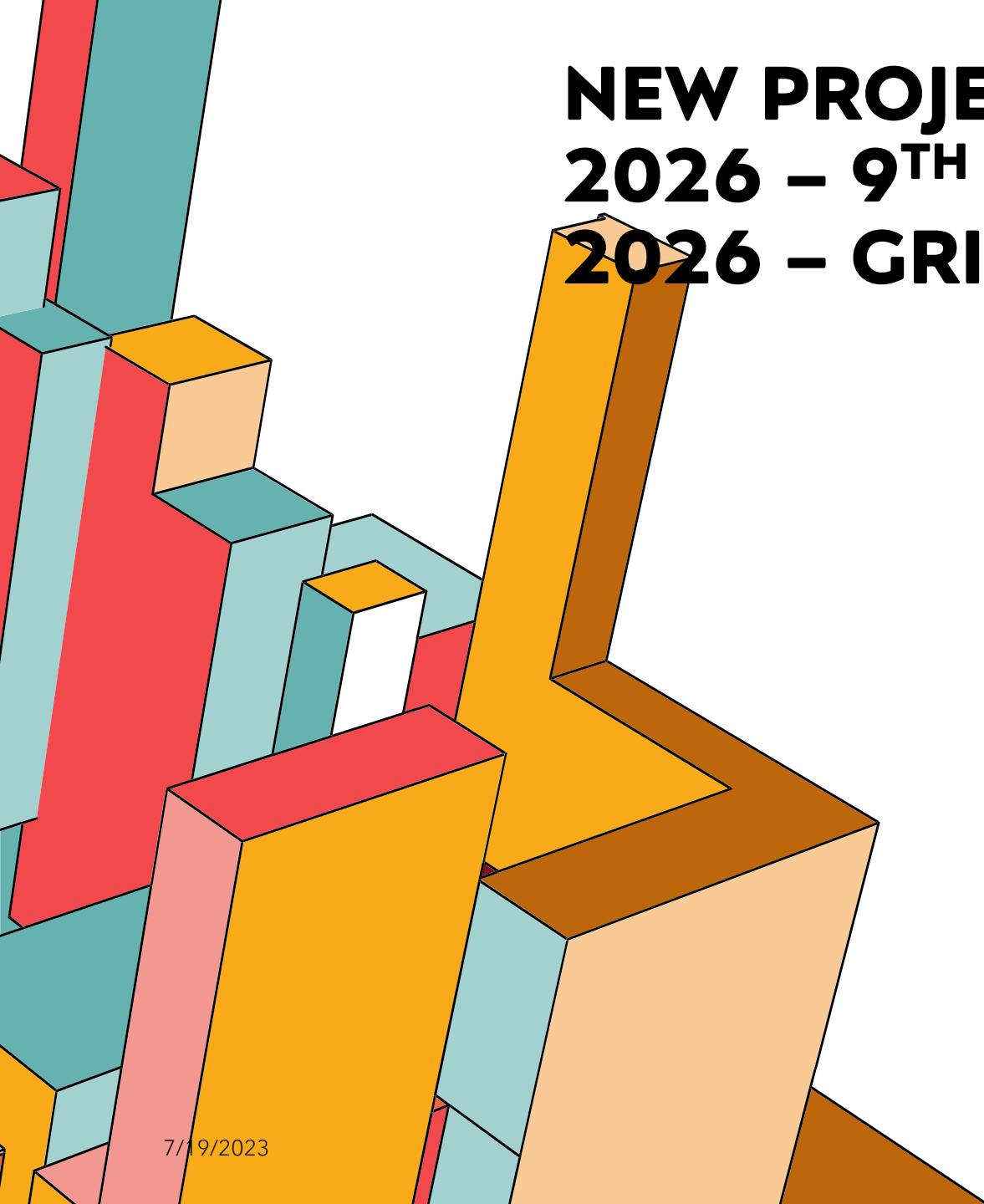
No sidewalks planned (revisit based on MMMP recommendations)

Reasons To Consider Central

High traffic very visible arterial corridor

Repair scope similar to 5th & Harrison, shorter term investment while corridor continues to develop

San District needs may warrant consideration of alternatives



NEW PROJECTS

2026 - 9TH (MYSTIC TO WASHINGTON)

2026 - GRIFFIN (4TH TO 9TH)

Project Details

9th - Combination full pavement inlay (Mystic - Meadows) & heavy maintenance overlay project (Meadows - Washington). Add storm sewer (Mystic to Allison?). New water main (Mystic to Meadows).

Griffin - Full Reconstruction. Add curb and gutter. Add Storm sewer. New water main (4th to 9th)

Reasons To Consider 9th & Griffin

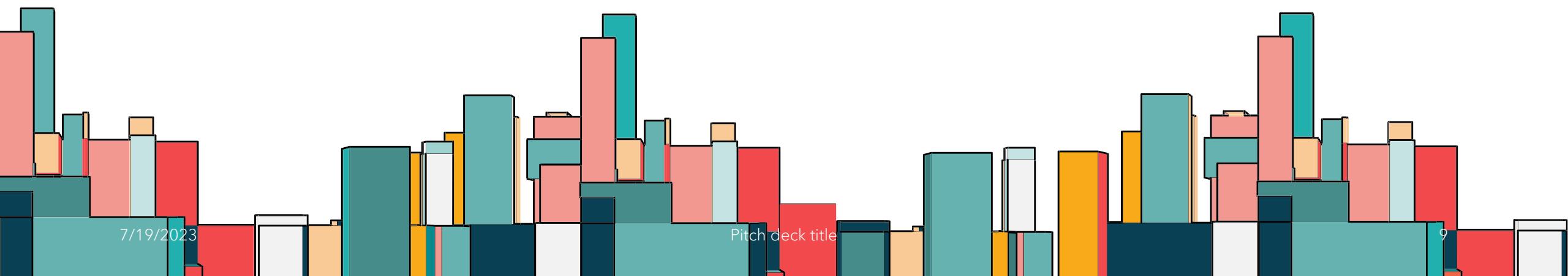
High traffic very visible arterial/collector corridors

Have long been considered as 2A priorities

Existing water and stormwater deficiencies that need addressed in addition to the pavement condition.

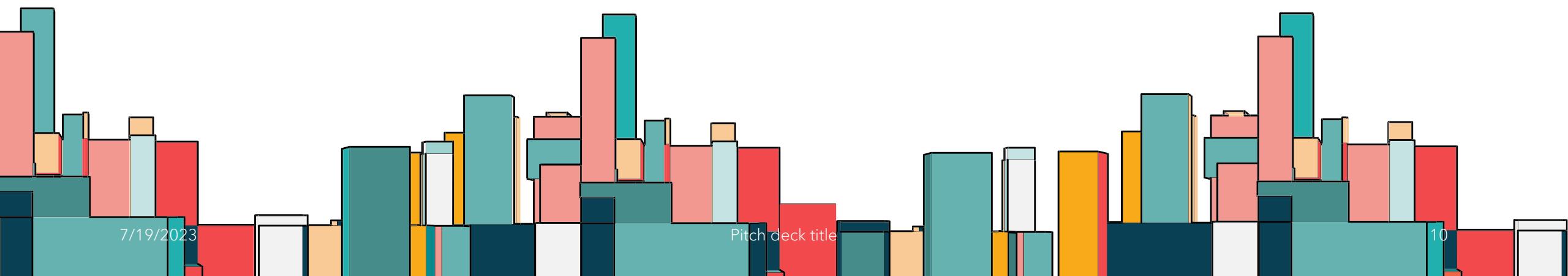
2023 PROGRAM DETAILS

Target Const. Year	Street Name	Classification	Limit From	Limit To	Length	Width	Area (SYD)	Proposed Fix	STREETS Cost
2023	Raynolds Ave	Arterial	Hwy 50	Pear Street	4055	24	10813	FDR, C&G, 5" HMA, 1 SW	\$1,465,232
2023	Pear St	Arterial / Local	Raynolds Ave	Field Ave	513	24	1368	FDR, C&G, 5" HMA, 1 SW	\$228,914
2023	Field	Arterial	Pear St	Central Ave	665	24	1773	FDR, C&G, 5" HMA, 1 SW	\$317,142
2023	College Ave	Collector	3rd St	9th St	2567	38	10838	Spot C&G, Inlay 5" Over 9"	\$1,088,027
2023	Franklin Ave	Local	19th St	Orchard Ave	829	24	2211	Recon, C&G, 5" Over 9", 2 SW	\$479,413
2023	5th	Collector	Fairview	High	6927	36	27708	2" Mill / Resurface, ADA SW Ramps	\$1,309,203
2023	Harrison	Collector	9th	15th	3168	42	14784	2" Mill / Resurface, ADA SW Ramps	\$698,544
									\$5,586,475



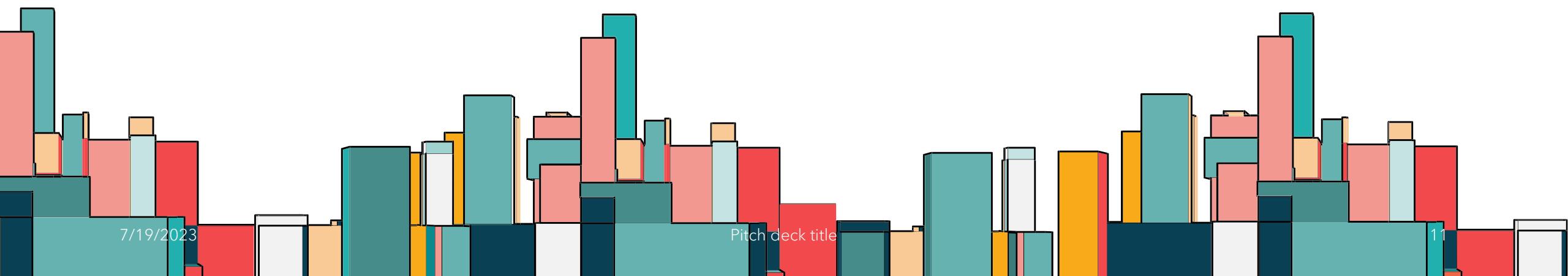
2024 PROGRAM DETAILS

Target Const. Year	Street Name	Classification	Limit From	Limit To	Length	Width	Area (SYD)	Proposed Fix	STREETS Cost
2024	Justice Center Rd	Arterial / Collector	Hwy 50	Grandview	2758	24	7355	FDR, C&G, 5" HMA, 2 SW	\$1,146,422
2024	Main Street	Collector	RGB	4th St	2140	Var	12000	Spot C&G, Inlay 5" Over 9"	\$1,302,808
2024	Pear St	Local	19th St	Field Ave	3183	24	8488	FDR, C&G, 5" HMA, 2 SW	\$1,362,775
2024	Central Ave	Arterial	15th	Drake	7447	30	24823	2"Overlay, Add Paved Shoulder, C&G @ Int	\$1,610,786
									\$5,422,790



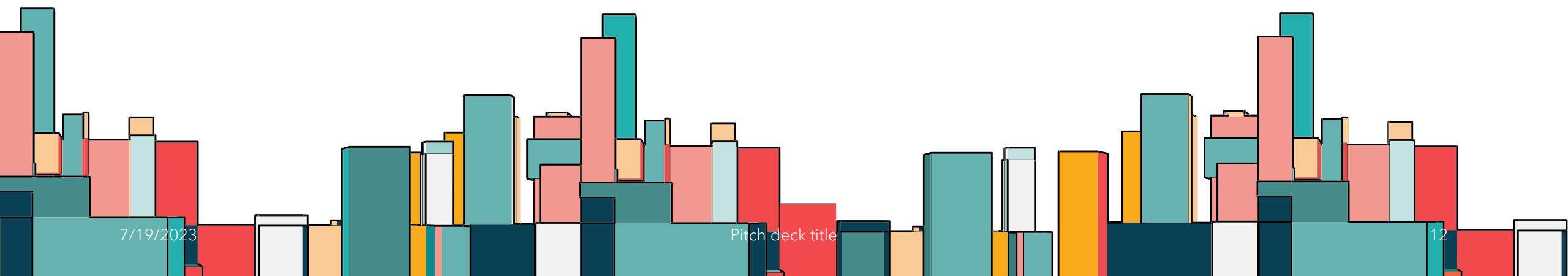
2025 PROGRAM DETAILS

Target Const. Year	Street Name	Classification	Limit From	Limit To	Length	Width	Area (SYD)	Proposed Fix	STREETS Cost
2025	S 12th St	Local	Park Ave	Sherman Ave	1400	24	3733	FDR, C&G, 5" HMA, 2 SW	\$581,940
2025	Sherman	Local	S 12th	City Limits	1050	24	2800	FDR, C&G, 5" HMA, 2 SW	\$436,455
2025	Harding Ave	Collector	5th St	9th St	1843	36	7372	Spot C&G, Inlay 5" Over 9"	\$824,369
2025	College Ave	Collector	9th St	15th St	3631	41	16541	Spot C&G, Inlay 5" Over 9"	\$1,849,711
									\$3,692,475



2026 PROGRAM DETAILS

Target Const. Year	Street Name	Classification	Limit From	Limit To	Length	Width	Area (SYD)	Proposed Fix	STREETS Cost
2026	9th Street	Arterial	Mystic	Meadows	4186	46	21395	Spot C&G, Inlay 5" Over 9"	\$2,464,269
2026	9th Street	Arterial	Meadows	Washington	2715	30	9050	2"Overlay, Add Paved Shoulder, C&G @ Int	\$623,018
2026	Griffin	Collector	4th	9th	2390	24	6373	Recon, C&G, 5" Over 9", 2 SW	\$1,585,821
									\$4,673,108



OTHER PROJECT OPTIONS

Added line for Main Street 7th – 9th

PROJECTS CONSIDERED DURING 2022 CYCLE

Target Const. Year	Street Name	Classification	Limit From	Limit To	Length	Width	Area (SYD)	2022 MAPPED STREETS (2023 Pricing / Requires Inflation)		STREETS Cost
								Proposed Fix		
TBD	Myrtle	Local	6th	9th	1629	30	5430	FDR, C&G, 5" HMA, 2 SW		\$782,627
TBD	Riverview Ct	Local	Fowler St	End	778	36	3112	Patch & Chipseal		\$62,240
TBD	S. Cottonwood Ave	Collector	E. Main	South	1323	30	4410	FDR, C&G, 5" HMA, 2 SW		\$635,614
TBD	Fowler St	Local	S Cottonwood Ave	End of pavement	548	26	1583	FDR, C&G, 5" HMA, 2 SW		\$228,174
TBD	Elizabeth	Local	Field Ave	East MHP Dr	843	36	3372	2" Overlay		\$151,740

ARTERIAL / COLLECTOR STREETS, MINIMUM 2 BLOCKS LENGTH, FAILED OCI

Target Const. Year	Street Name	Classification	Limit From	Limit To	Length	Width	Area (SYD)	Proposed Fix	STREETS Cost
TBD	Cherry	Collector	Orchard	East of Raynolds	3412	24	9099	FDR, C&G, 5" HMA, 2 SW	\$1,311,393
TBD	CR123	Collector	4 Mile Lane	East City Limit	8820	30	29400	FDR, Add Paved Shoulders	\$3,234,000
TBD	Park	Collector	12th	East City Limit	2327	24	6205	2" Overlay	\$279,240
TBD	Phay	Collector	Yale	15th	1471	36	5884	Patch & Chipseal	\$117,680
TBD	1st Street	Arterial	New York	US-50	2446	26	7066	2" Mill/Resurface, ADA Ramps	\$317,980
TBD	Main	Arterial	7th	9th	650	36	2600	Full Reconstruction & Streetscape (\$1.25M)	\$1,813,845
TBD	Vine	Collector	SH-115	11th	786	26	2271	Recon, C&G, 5" Over 9", 2 SW	\$492,425

7/19/2023

Pitch deck title

13

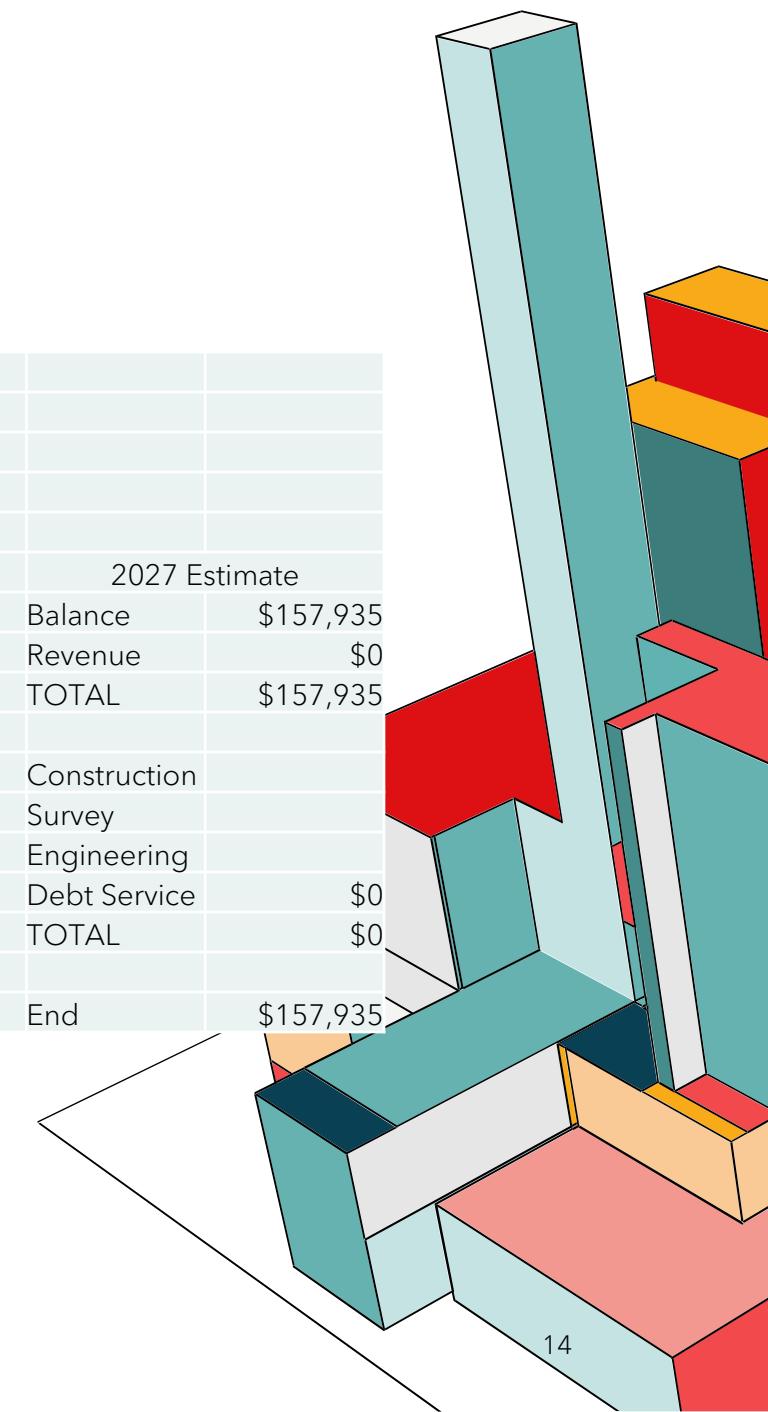
2A - FINANCIAL STATUS

2A Cash Flow Projections

\$5,884,280 Audited Ending Balance 2022

\$4,633,992 Average Annual Revenue (AVG 20-22)

	2023 Estimate	2024 Estimate	2025 Estimate	2026 Estimate	2027 Estimate	
Balance	\$5,884,280	Balance	\$3,719,333	Balance	\$1,705,534	Balance
Revenue	\$4,633,992	Revenue	\$4,633,992	Revenue	\$4,633,992	Revenue
TOTAL	\$10,518,272	TOTAL	\$8,353,325	TOTAL	\$6,339,526	TOTAL
Construction	\$5,586,475	Construction	\$5,422,790	Construction	\$3,692,475	Construction
Survey	\$37,464	Survey	\$50,000	Survey	\$50,000	Survey
Engineering	\$500,000	Engineering	\$500,000	Engineering	\$500,000	Engineering
Debt Service	\$675,000	Debt Service	\$675,000	Debt Service	\$675,000	Debt Service
TOTAL	\$6,798,939	TOTAL	\$6,647,790	TOTAL	\$4,917,475	TOTAL
End	\$3,719,333	End	\$1,705,534	End	\$1,422,051	End
						\$157,935



WATER FUND IMPACTS

Added approximate debt service and revenue information

2023 - No large water fund impacts with additional projects

2024 - Estimated \$0.4M in Water Distribution Costs

2025 - Estimated \$2.5M in Water Distribution Costs

2026 - Estimated \$3.0M in Water Distribution Costs

Solutions available through CDPHE

Drinking Water Revolving Fund (DWRF) Program

City is eligible for 50/50 Principal Forgiveness (Grant), up to a maximum of \$5M through the Bipartisan Infrastructure Law (BIL).

If City is willing to assume \$5M in 20-year low interest debt we can accommodate \$10M in water main replacement including all of the noted 2A projects and others of water department priority

Funding is slow and time consuming, meaning the projects dependent on water funding need to occur in later years

Other distribution projects, without 2A funding also possible

\$5M Loan = Approx \$350K/Year of added debt service (2025 - 2045)

Existing debt service = Approx \$875K/Year through 2032

Annual Operating Revenue = \$7.5M

Added approximate
debt service and
revenue information

STORMWATER FUND IMPACTS

2023 - No large fund impacts with forecasted projects

2024 - No large fund impacts with forecasted projects

2025 - Estimated \$700K in Stormwater Capital Costs

2026 - Estimated \$1.2M in Stormwater Capital Costs

Not As Easy of A Solution

City could pursue funding through FEMA however there are no programs similar to DWRF we have found that offer forgiveness. Low interest loans are available.

City has limited ability to assume additional debt. Existing debt service is roughly 33% of total budget

Existing Debt Service = \$600K/Year thru 2038

Annual Operating Revenue = \$2.2M/Year

Stormwater Rates could be raised

General Fund Transfers

One-time grants

OTHER UTILITY IMPACTS

Sanitation District

2024 Central Avenue - San District needs to replace sewer along entire corridor. No ability to achieve ahead of or in conjunction with our project.

- We could do Central Avenue anyway knowing pieces may require removal and replacement when FSD conducts upgrades.
- We could select an alternative project (Portion of CR-123)?
- Sanitation District is in the midst of evaluating this project to determine the approximate timing to construction that they could achieve. Staff will advise council of that information once it is received.

No other major issues

Black Hills

No concerns with proposed program

Atmos

Have not responded as of 7/13/23 - Sent additional follow up and will advise council if/when a response is received.

2017 – 2026 2A PROGRAM TOTAL

\$38.3M Invested (2017-2026)

21.6 Miles of Roadway Improved thru 2A

9.3 Miles Arterial

8.8 Miles Collector

3.5 Miles Local

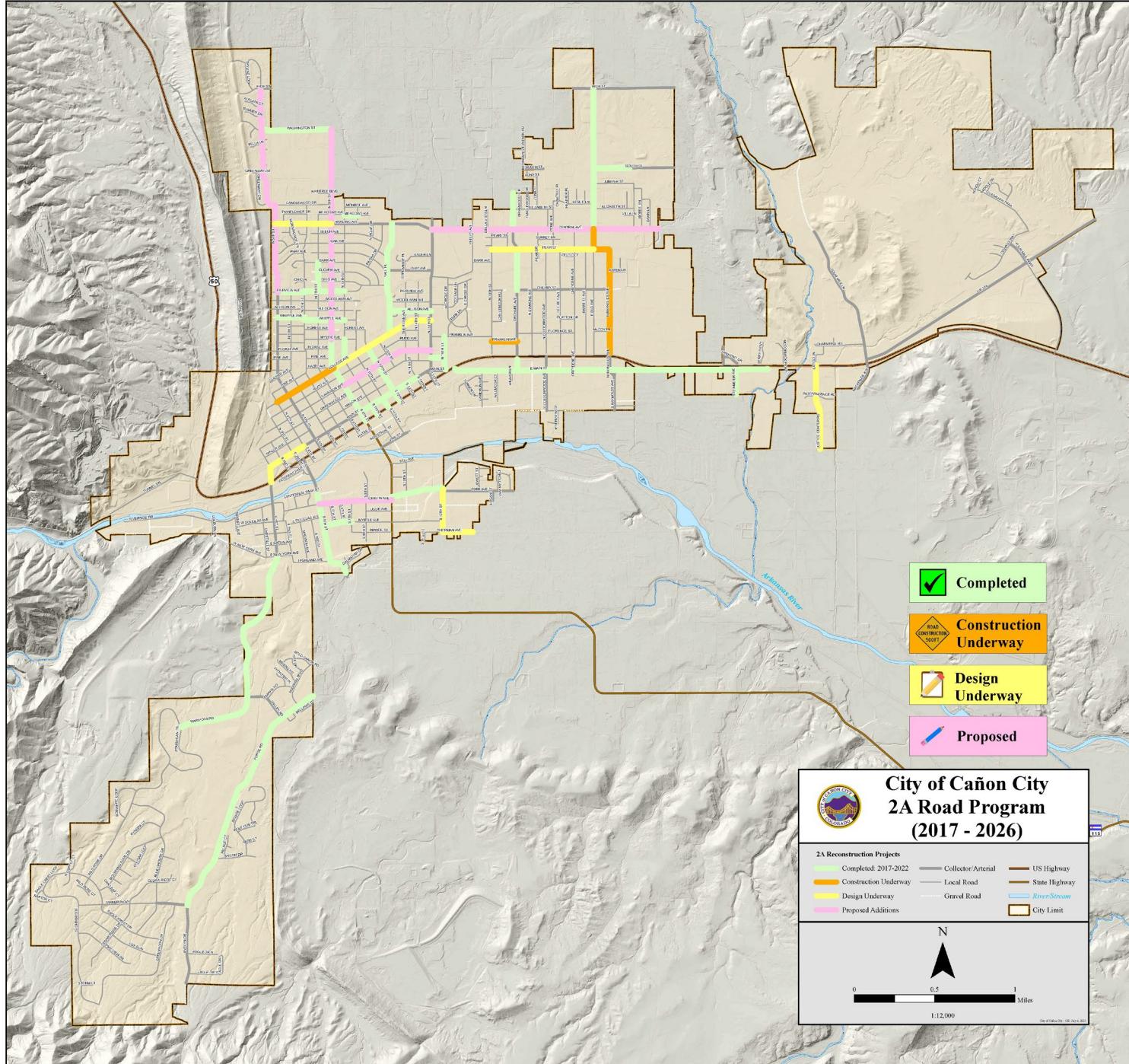
119 Miles of Total City Streets

18.3 Miles Arterial (3.1 in Mountain Parks)

15.6 Miles Collector

85.1 Miles Local (10.2 in Mountain Parks)

7/19/2023



2017 – 2023 NON-2A PROGRAM TOTAL

Chip Sealing Program - \$1.4M Invested (2017-2023)

18.2 Miles of Roadway Maintained thru GF

1.0 Miles Arterial

1.2 Miles Collector

16.0 Miles Local

Reconstruct Program - \$1.7M Invested (2017-2023)

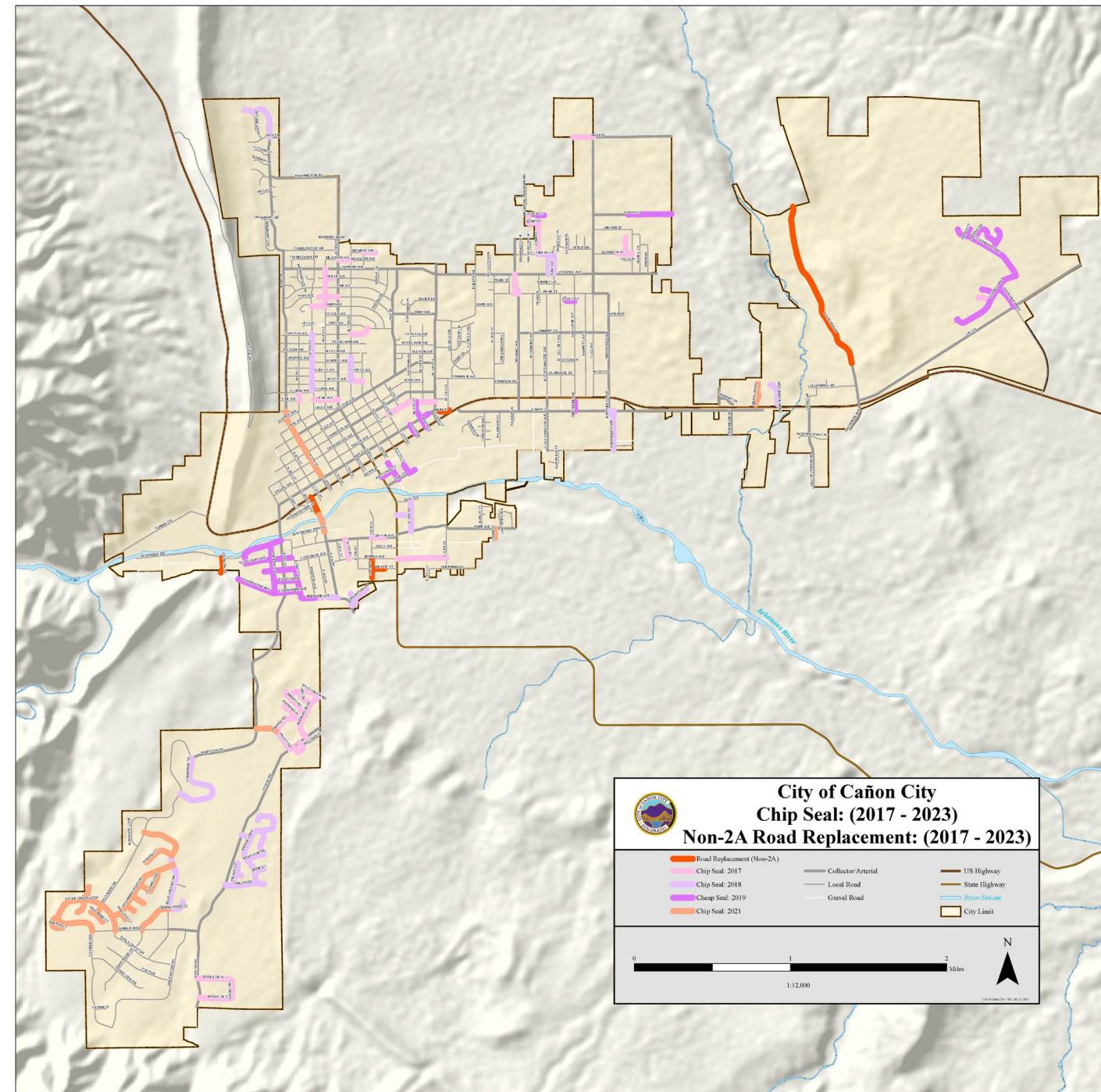
1.6 Miles of Roadway Improved thru GF & Grants

0.6 Miles Arterial (0.6 Miles CMAQ = \$460K)

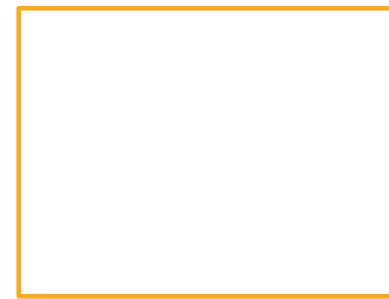
0.7 Miles Collector (0.5 Miles CMAQ = \$725K)

0.3 Miles of Local

7/19/2023



NEXT STEPS



TODAY

Establish 2023-2026 Priorities

DWRF Program Decision

3-6 MONTHS

2023 Project Engineering

RFP for Future Engineering

DWRF Formal Application

1 YEAR

2024 Project Delivery

Revisit Program for 25/26

Stormwater Funding