



# 2A PROJECT PLAN 2023-2026

Leo Evans

July 19<sup>th</sup>, 2023

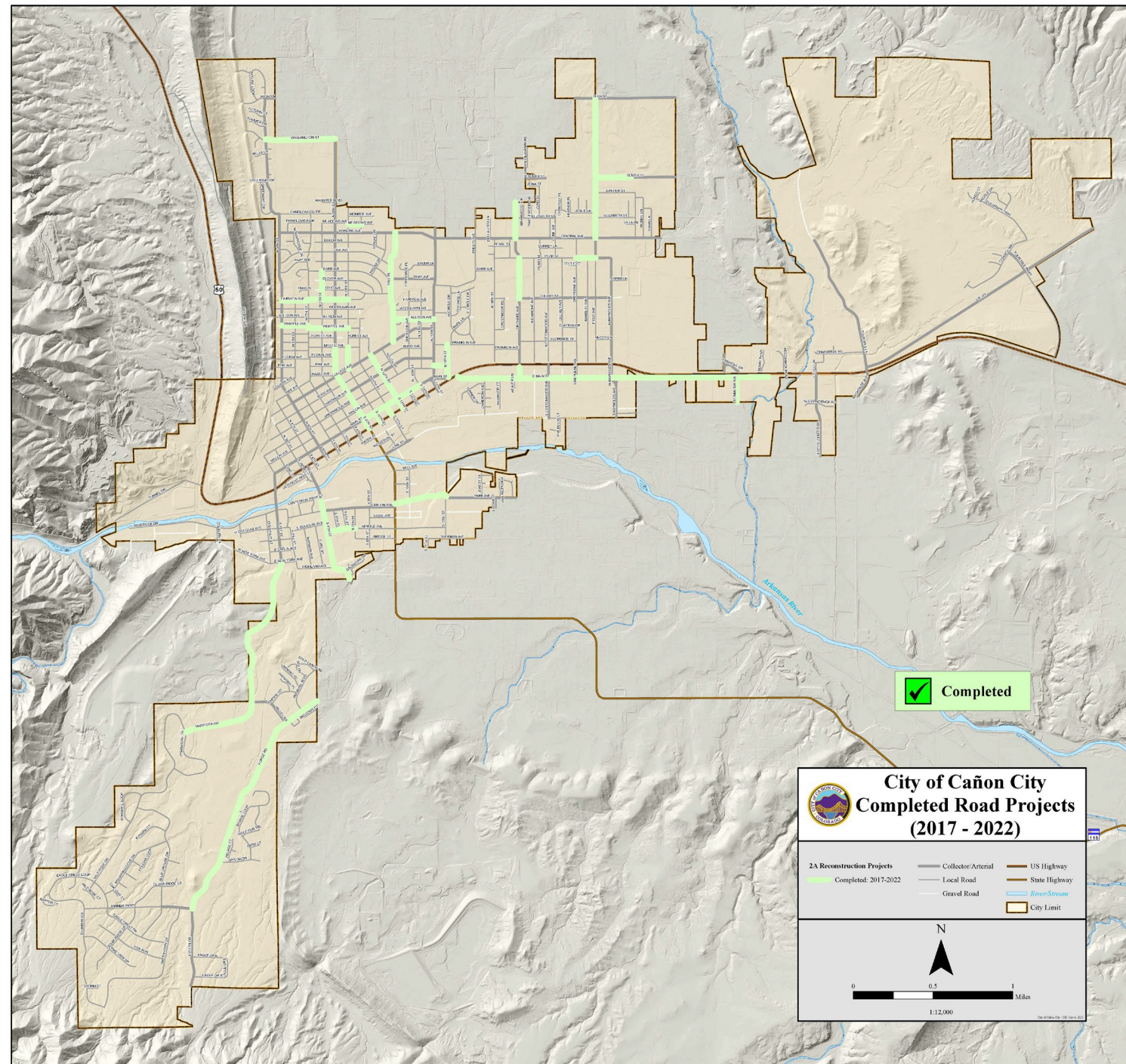
Updated July 20<sup>th</sup>, 2023 - With Meeting Comments

# 2017 – 2022 COMPLETED PROJECTS

\$19.0M Invested To Date

11.85 Miles of Roadway Improved

7/19/2023





# 2023 - 2026 IN PROCESS

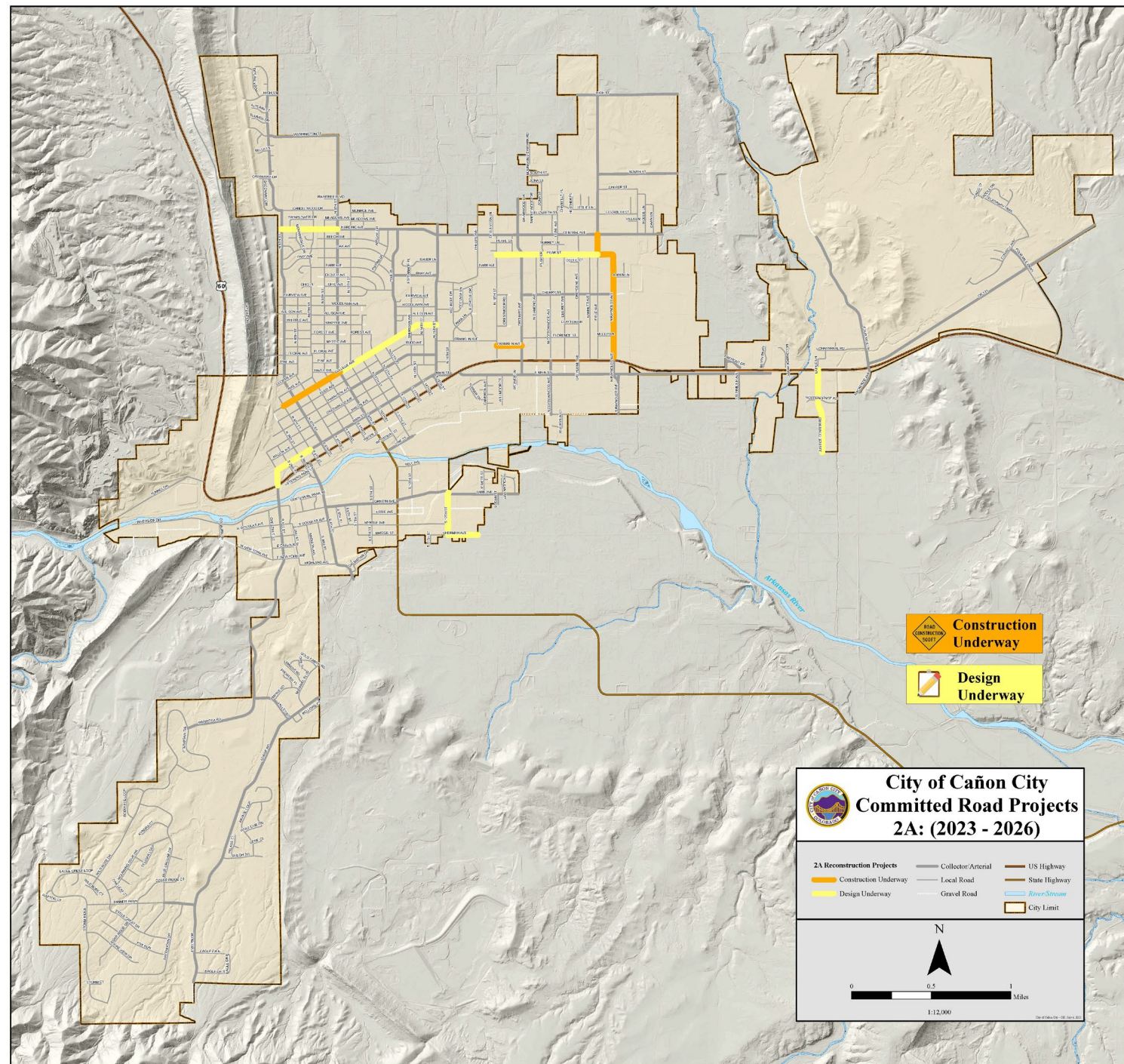
\$11.1M In Underway Projects

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)

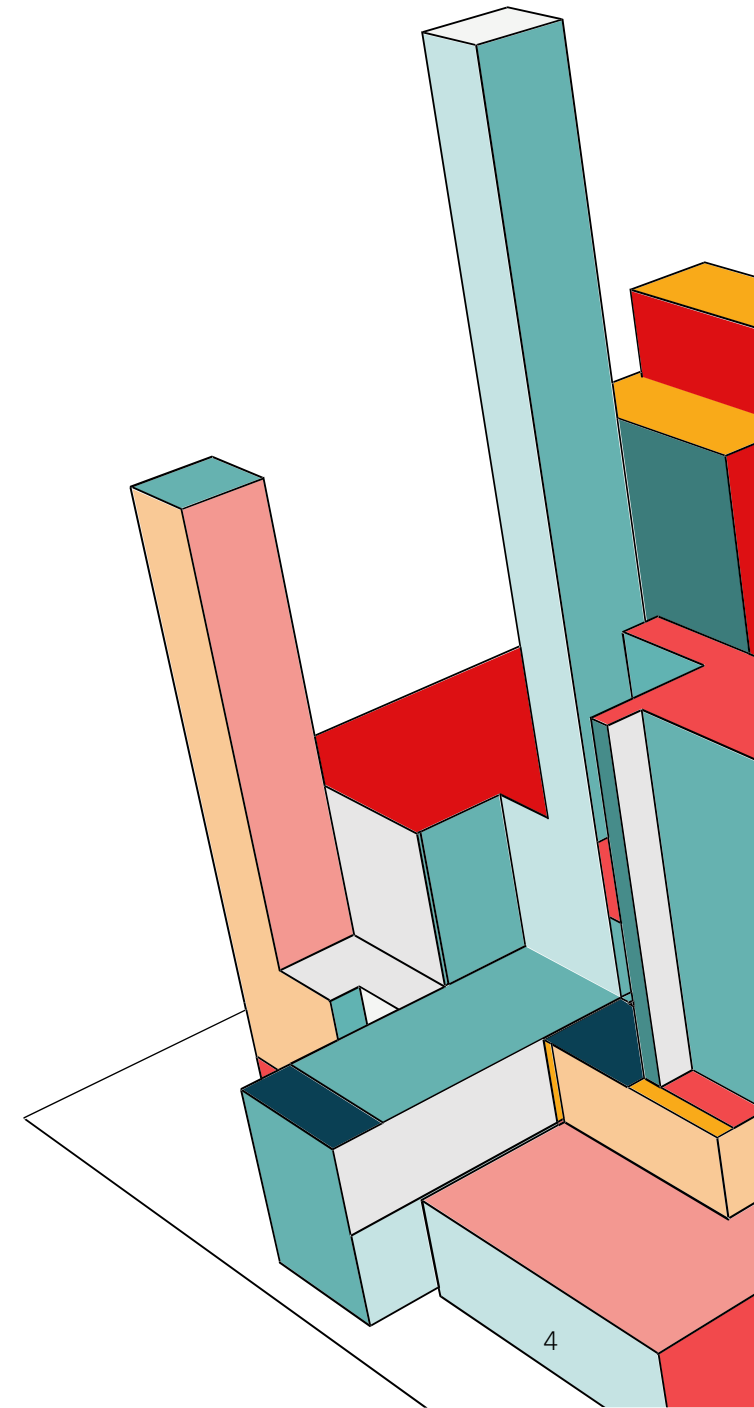
Remaining (2023 - 2026) = \$5.9M + \$4.6M x 4 Years = \$24.3M

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

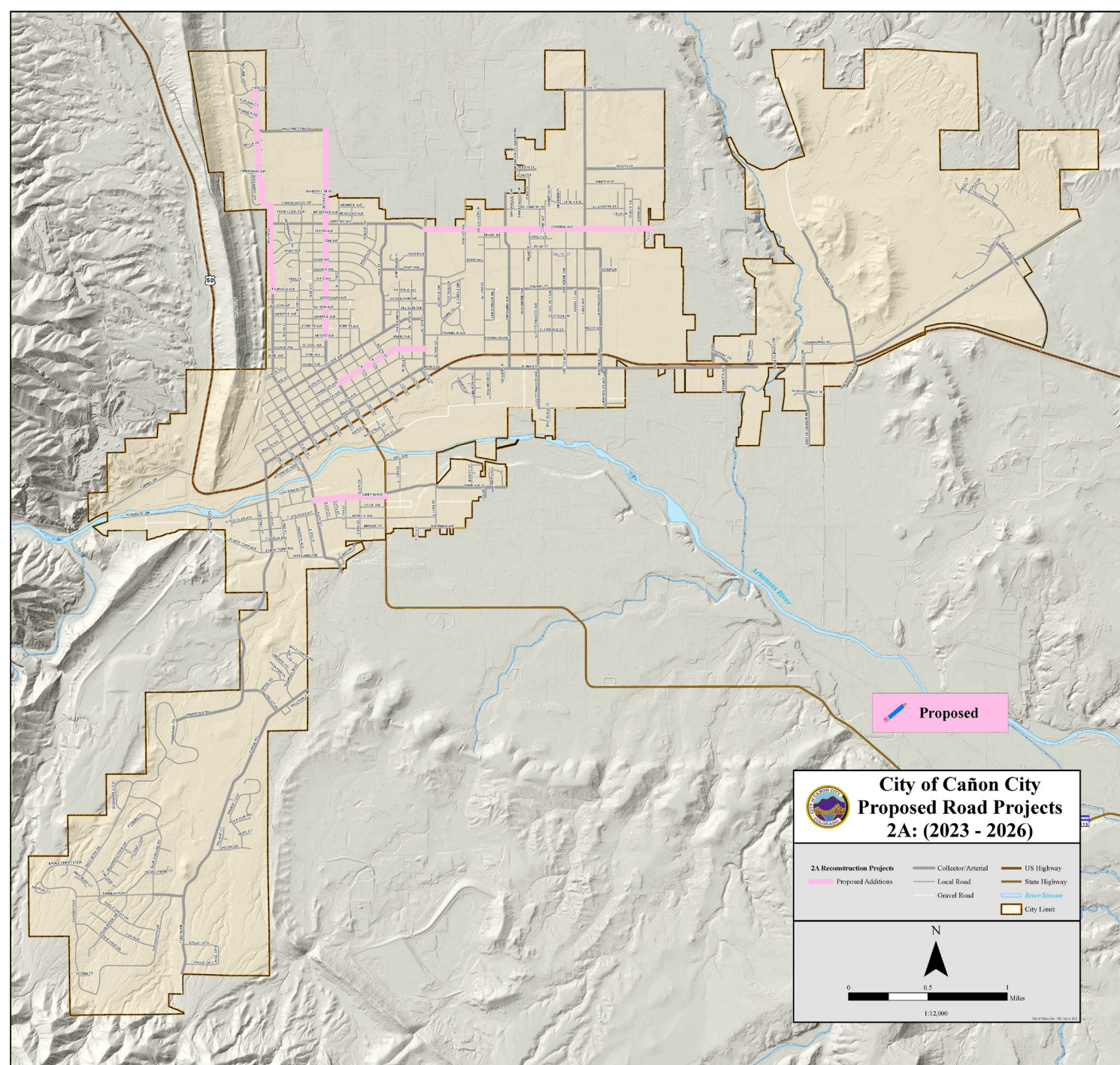
5.08 Miles of Roadway Improved

Focus:

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

Variety of Scope of Work

7/19/2023





# **NEW PROJECTS**

## **2023 – 5<sup>TH</sup> (FAIRVIEW TO HIGH)**

## **2023 – HARRISON (9<sup>TH</sup> TO 15<sup>TH</sup>)**

### **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 (15<sup>TH</sup> – 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 5<sup>th</sup> & Harrison, shorter term investment while corridor continues to develop

San District needs may warrant consideration of alternatives



# **NEW PROJECTS**

## **2026 – 9<sup>TH</sup> (MYSTIC TO WASHINGTON)**

## **2026 – GRIFFIN (4<sup>TH</sup> TO 9<sup>TH</sup>)**

### **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 (4<sup>th</sup> to 9<sup>th</sup>)

### **Reasons To Consider 9<sup>th</sup> & Griffin**

High traffic very visible arterial/collector corridors

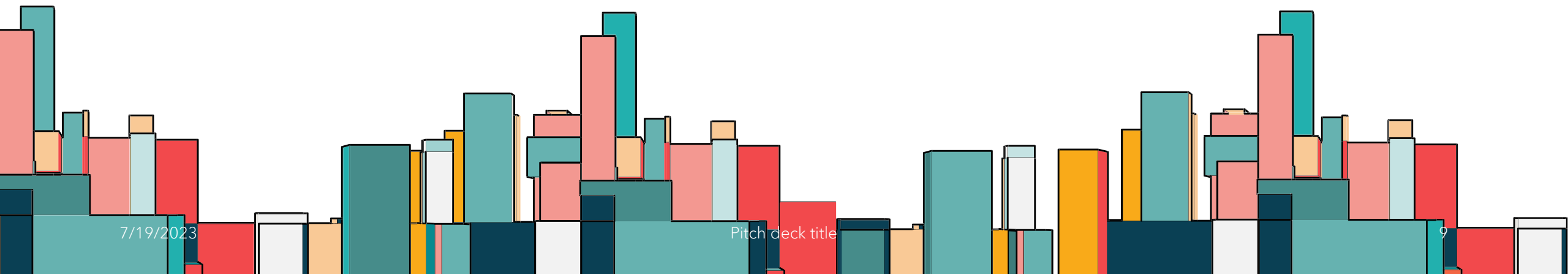
Have long been considered as 2A priorities

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



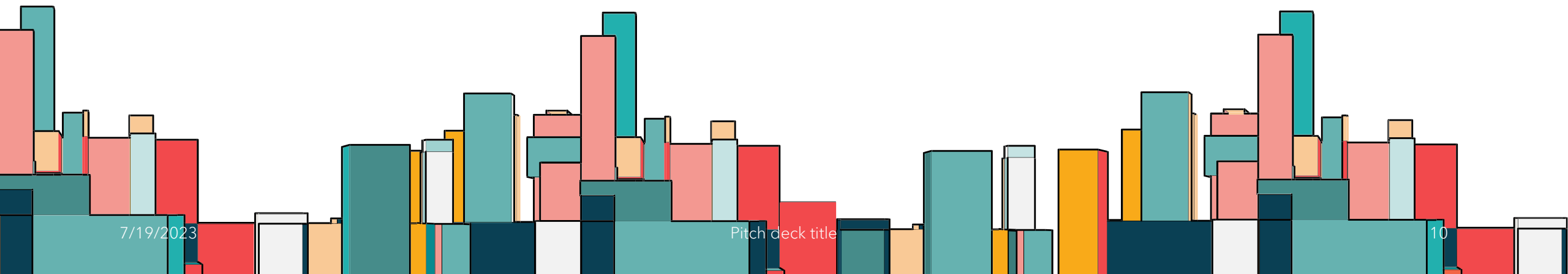
# 2023 PROGRAM DETAILS

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



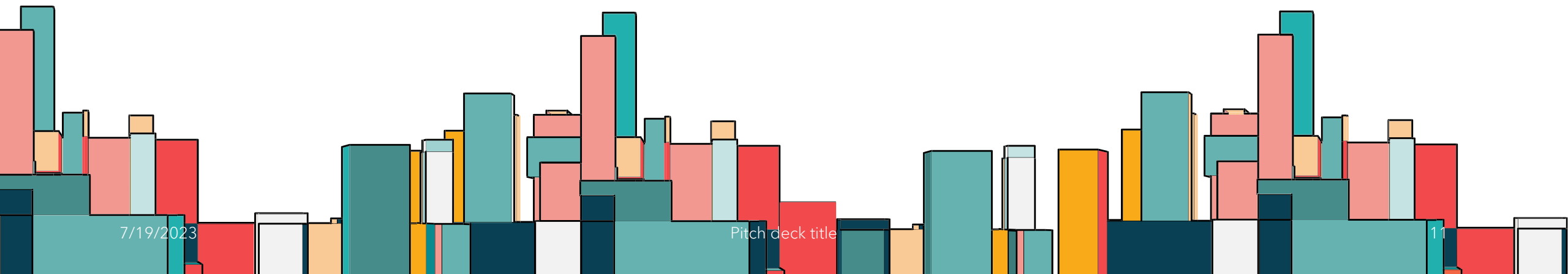
# 2024 PROGRAM DETAILS

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

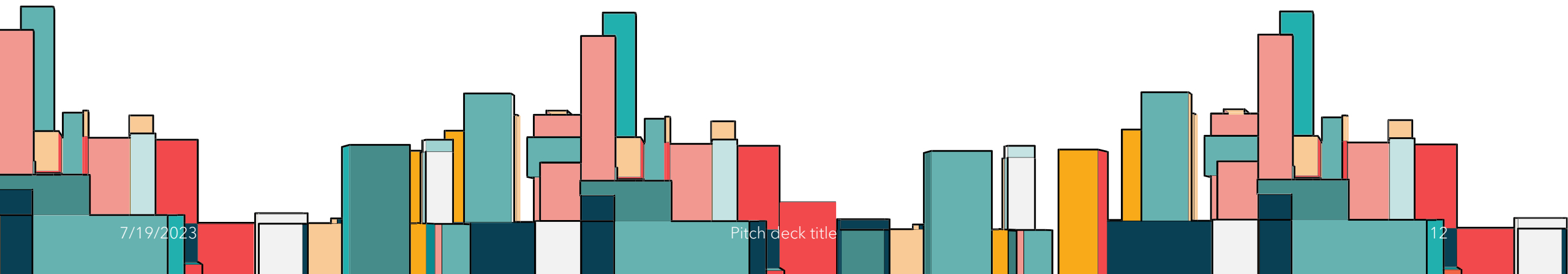
Target Const.Year	Street Name	Classification	Limit From	Limit To	Length	Width	Area (SYD)	Proposed Fix	STREETS Cost
2025	S 12th St	Local	Park Ave	Sherman Ave	1400	24	3733	FDR, C&G, 5" HMA, 2 SW	\$581,940
2025	Sherman	Local	S 12th	City Limits	1050	24	2800	FDR, C&G, 5" HMA, 2 SW	\$436,455
2025	Harding Ave	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

## PROJECTS CONSIDERED DURING 2022 CYCLE

					2022 MAPPED STREETS (2023 Pricing / Requires Inflation)				
Target Const.Year	Street Name	Classification	Limit From	Limit To	Length	Width	Area (SYD)	Proposed Fix	STREETS Cost
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

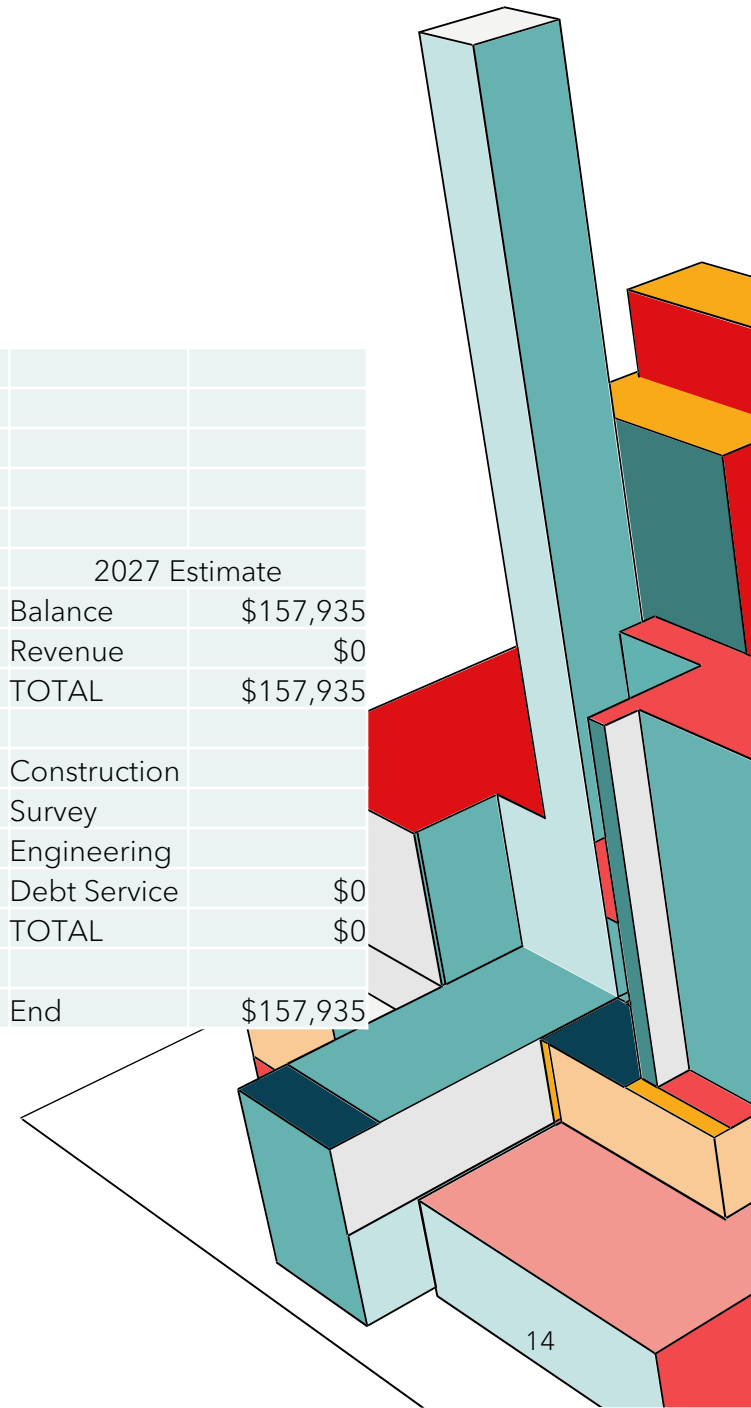
## ARTERIAL / COLLECTOR STREETS, MINIMUM 2 BLOCKS LENGTH, FAILED OCI

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	12 <sup>th</sup>	East City Limit	2327	24	6205	2" Overlay	\$279,240
TBD	Phay	Collector	Yale	15 <sup>th</sup>	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	7 <sup>th</sup>	9 <sup>th</sup>	650	36	2600	Full Reconstruction & Streetscape (\$1.25M)	\$1,813,845
TBD	Vine	Collector	SH-115	11 <sup>th</sup>	786	26	2271	Recon, C&G, 5" Over 9", 2 SW	\$492,425

# 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	\$1,422,051	Balance	\$157,935
Revenue	\$4,633,992	Revenue	\$4,633,992	Revenue	\$4,633,992	Revenue	\$4,633,992	Revenue	\$0
TOTAL	\$10,518,272	TOTAL	\$8,353,325	TOTAL	\$6,339,526	TOTAL	\$6,056,043	TOTAL	\$157,935
Construction	\$5,586,475	Construction	\$5,422,790	Construction	\$3,692,475	Construction	\$4,673,108	Construction	
Survey	\$37,464	Survey	\$50,000	Survey	\$50,000	Survey	\$50,000	Survey	
Engineering	\$500,000	Engineering	\$500,000	Engineering	\$500,000	Engineering	\$500,000	Engineering	
Debt Service	\$675,000	Debt Service	\$675,000	Debt Service	\$675,000	Debt Service	\$675,000	Debt Service	\$0
TOTAL	\$6,798,939	TOTAL	\$6,647,790	TOTAL	\$4,917,475	TOTAL	\$5,898,108	TOTAL	\$0
End	\$3,719,333	End	\$1,705,534	End	\$1,422,051	End	\$157,935	End	\$157,935





# WATER FUND IMPACTS

## 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

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

# STORMWATER FUND IMPACTS

## Not As Easy of A Solution

City could pursue funding through FEMA however there are no programs similar to DWRP 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

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

# 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

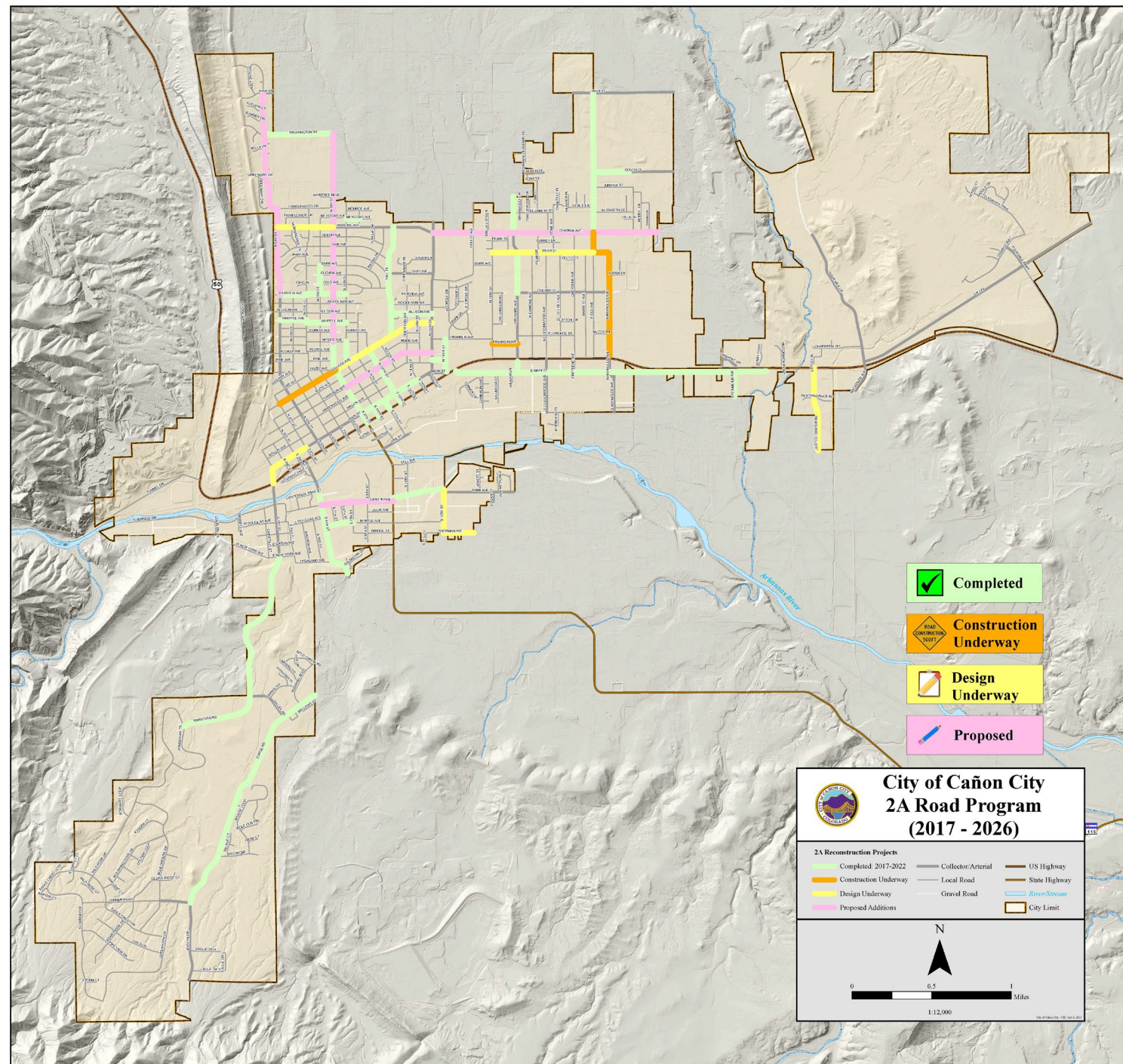
119 Miles of Total City Streets

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)

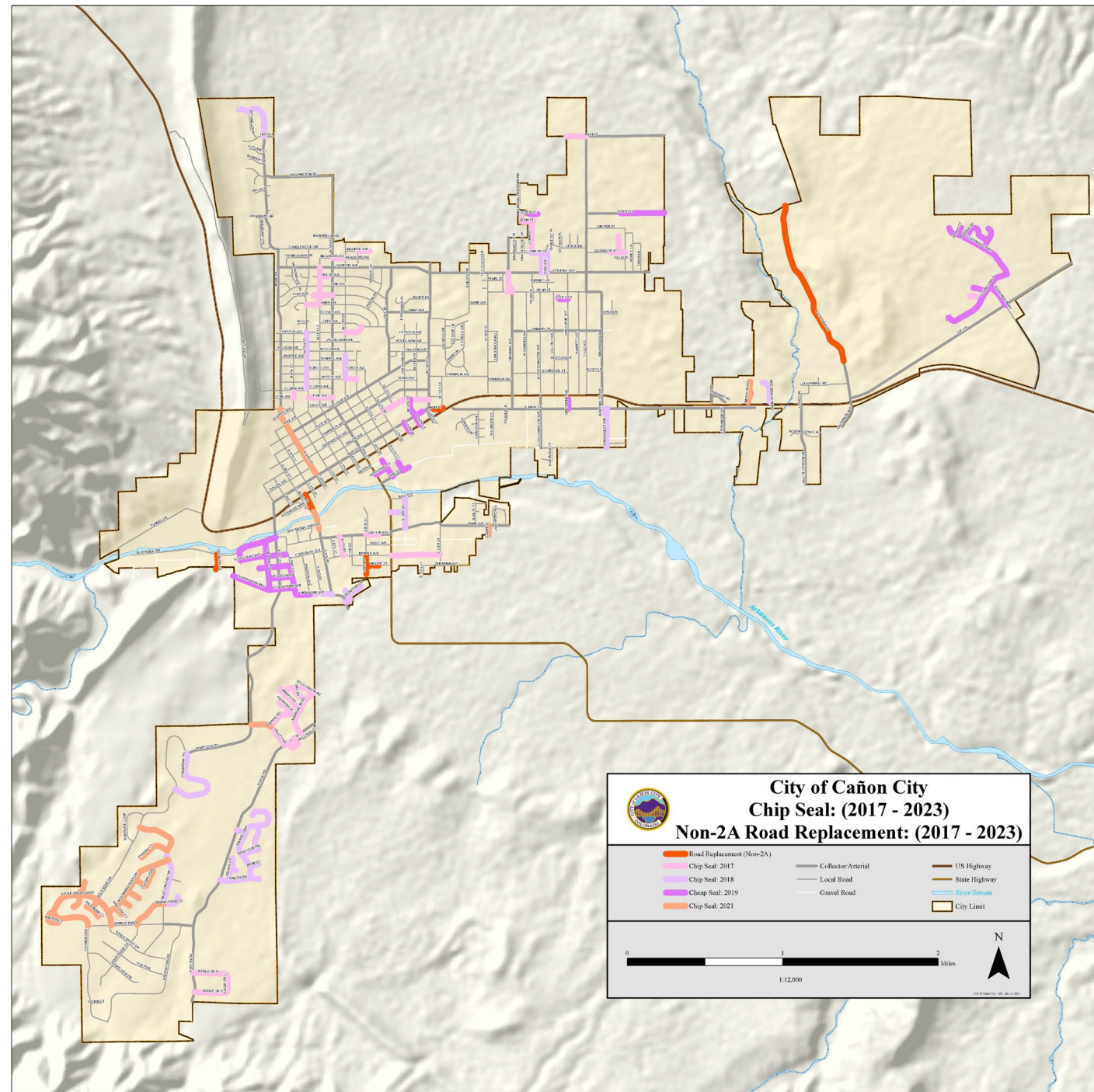
1.6 Miles of Roadway Improved thru GF & Grants

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

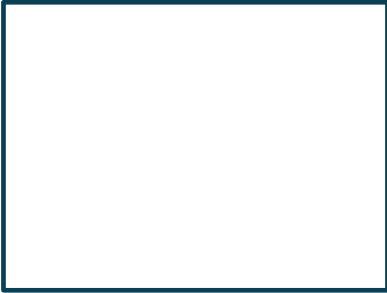
0.7 Miles Collector (0.5 Miles CMAQ = \$725K)

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