

Sidewalk Gap Prioritization



February 14, 2022

Public Works Committee

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Public Works Department

Discussion Agenda

- ❖ Review Previous guidance
- ❖ CIP projects
- ❖ FY22 Program proposal

CIP included \$500K per year for 5 years

\$2.5M in 2017 CIP Sales Tax Renewal for Sidewalk Gap Program

Over \$25M in Sidewalk Gaps Exist

December 2020 PWC Discussion Review

- ❖ A sidewalk gap considered for program purposes:
 - ❖ Break in continuous sidewalk.
 - ❖ Missing sidewalk in an area that generally has sidewalk.
 - ❖ The absence of sidewalk where required by standards except as provided below.

- ❖ Not a sidewalk gap considered for program purposes:
 - ❖ Developing Residential Lot pending sidewalk
 - ❖ Funded Projects in the Capital Improvement Plan pending sidewalk
 - ❖ Unimproved and Interim Standard Arterial Roads pending future Urban Standard
 - ❖ Corridors requiring reconstruction/storm sewer system installation.
 - ❖ An apparent capital improvement project of much larger scale and scope.

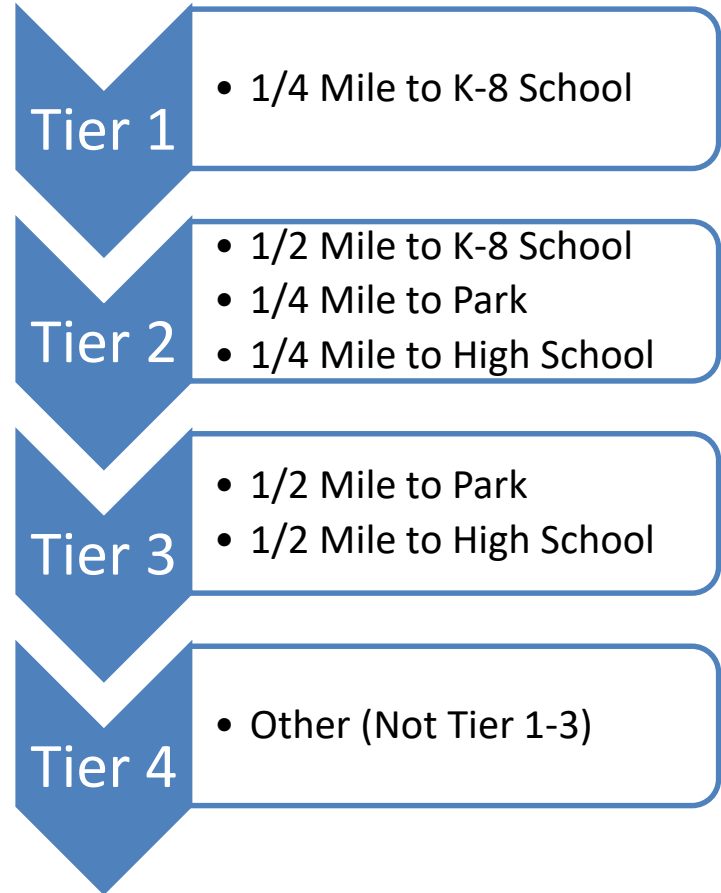
Sidewalk Gap Prioritization (2007-2020)

Higher Priority “A” (Recommended)

- ❖ Streets with No Sidewalk
 - ❖ Areas over 20 years old (adjusted date)
- ↓
- ❖ Streets with Some Sidewalk
 - ❖ Areas less than 20 years old (adjusted date)

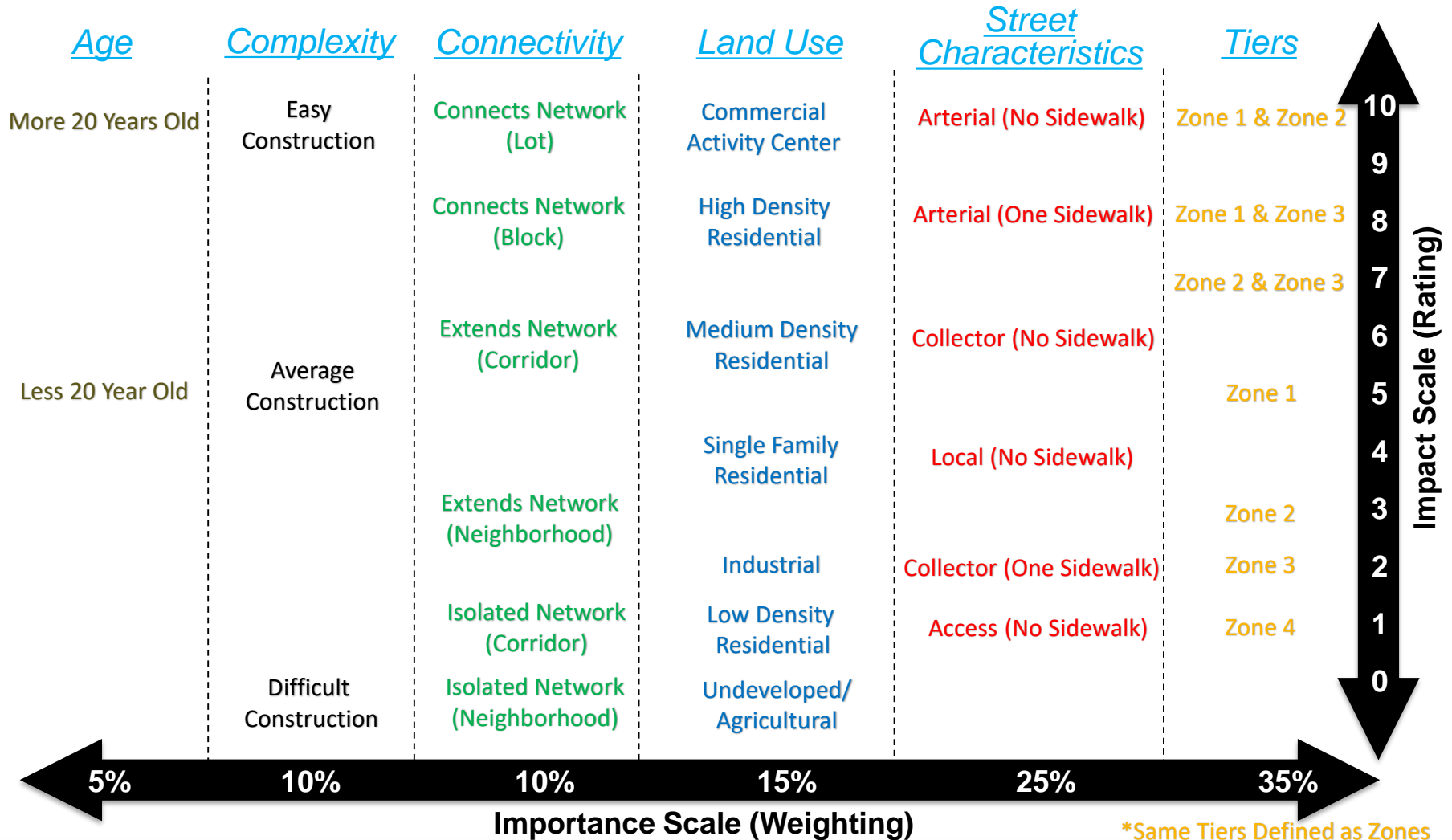
Lower Priority “B” (Deferred)

- ❖ Industrial Areas
- ❖ Cul-de-sacs with fewer than 6 Lots
- ❖ RDR and RLL Density



(2009 Inventory Included 95 Miles of “Priority A” and 190 Miles of “Priority B” Sidewalk Gaps)

Sidewalk Gap Prioritization (Updated)



Tie Break - Public Demand/Opposition

Not Sidewalk Gap Program

- Street Reconstruction Required
- Unimproved/Interim Arterials
- Active Development/CIP Project



Sidewalk Gap Prioritization

Scaled Categorical Ratings & Weighting System

Zone (i.e. "Tier") Factor	35%
Combination Zone 1 & Zone 2	10
Combination Zone 1 & Zone 3	8
Combination Zone 2 & Zone 3	7
Zone 1	5
Zone 2	3
Zone 3	2
Zone 4	1

Street Characteristic Factor	25%
Arterial No Sidewalk	10
Arterial One Sidewalk	8
Collector No Sidewalk	6
Local No Sidewalk	4
Collector One Sidewalk	2
Access No Sidewalk	1

Land Use Factor (1/4 Mile Walk Proximity)	10%
Commercial Activity Center	10
High Density Residential	8
Medium Density Residential	6
Single Family Residential	4
Industrial	2
Low Density Residential	1
Rural Residential/Agricultural	0

Connectivity Factor	15%
Connects Network (Lot)	10
Connects Network (Block)	8
Extends Arterial Network	6
Extends Neighborhood Network	3
Isolated Arterial Network	1
Isolated Neighborhood Network	0

Infrastructure Age Factor	5%
Over 20 Years	10
Under 20 Years	5
Active Development	0

Difficulty of Construction Factor	10%
No Difficulty (Build Ready)	10
Medium Difficulty (Site Preparations)	6
High Difficulty (Driveways/Grading)	3

LOCATION:

FACTOR	ATTRIBUTE	RATING	WEIGHT	SCORE
Trip Attraction (Tier)	Combination Zone 1 & Zone 2 ▼	10	35%	3.5
Street Condition	Arterial No Sidewalk ▼	10	25%	2.5
Connectivity	Connects Network (Lot) ▼	10	15%	1.5
Trip Generation (Land Use)	Commercial Activity Center ▼	10	10%	1
Difficulty	No Difficulty (Build Ready) ▼	10	10%	1
Age	Over 20 Years ▼	10	5%	0.5
Public Demand (Tie-Break)		TOTAL	100%	10

Updated Sidewalk Gaps (2021)

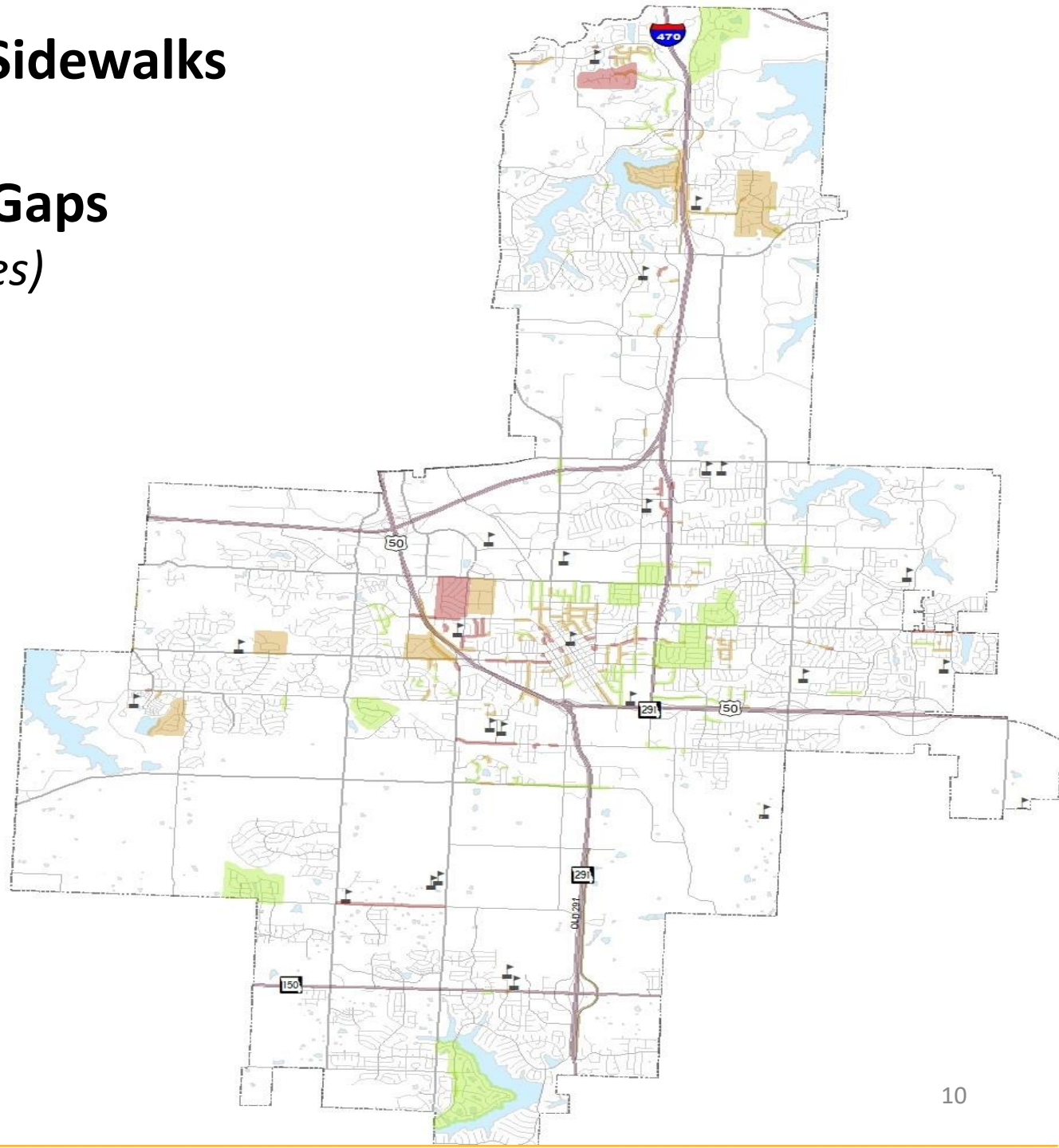
❖ Gaps identified

- ❖ Standard based requirements. (UDO)
- ❖ Public Streets
- ❖ Citizen reported gaps and requests

❖ Quantities

- ❖ 151,678 Linear feet (29 miles)
- ❖ 84,266 square yards (assumes 5-foot wide sidewalks)
- ❖ Estimate 150 ADA curb ramps (using 7% of cost as rule-of-thumb)

Areas Lacking Sidewalks and Sidewalk Gaps (247 miles)

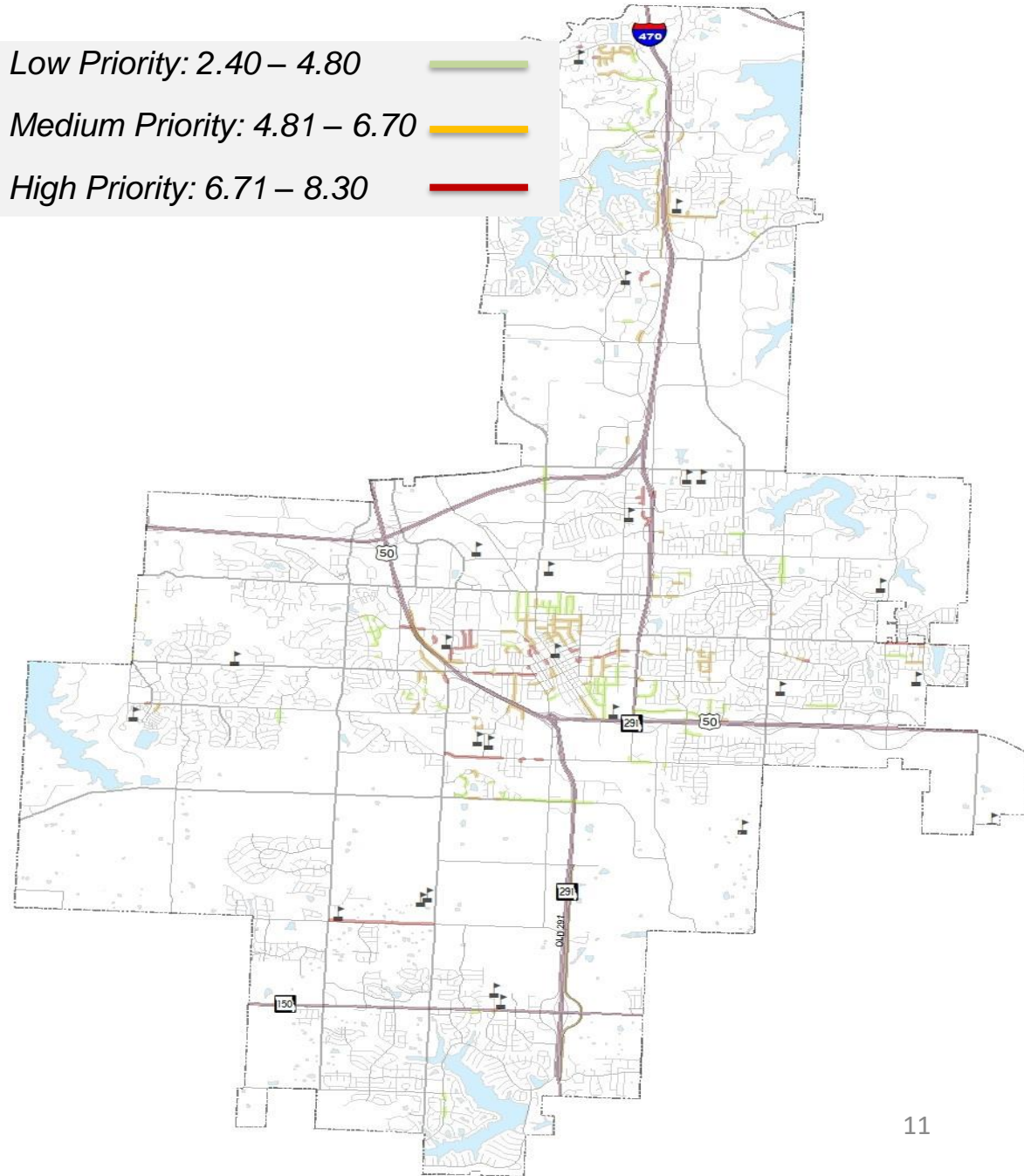


Sidewalk Gaps by Priority

Low Priority: 37%
56,913 Linear Feet
(11 Miles)
\$2.42 M

Medium Priority: 44%
66,424 Linear Feet
(13 Miles)
\$2.83 M

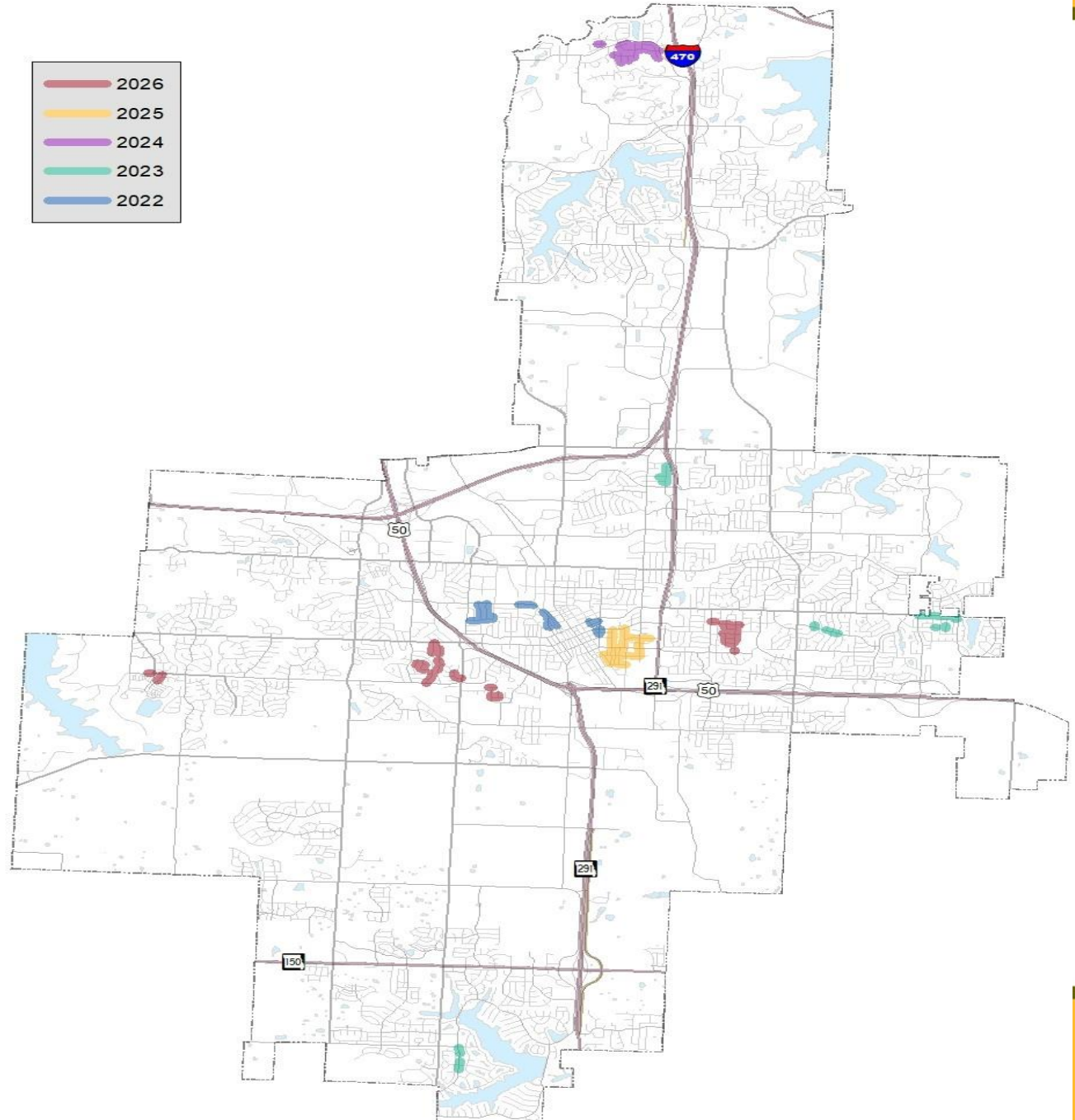
High Priority: 19%
28,341 Linear Feet
(5 Miles)
\$1.21 M



Sample Sidewalk Program

*Example
Construction
Programs:*

2022 -2026



Sidewalk Gap Program Schedule

- ✓ Sidewalk Gap Program allocated \$2.5M in 2017 CIP Sales Tax Renewal
- ✓ FY22 CIP budgeted \$500K for construction in Spring/Summer of 2022
- ✓ Sidewalk Gap Program FY22-FY25, \$500K Annually Funded CIP Program
- ✓ City staff collect data, evaluate, prepare proposed program

- ❖ February: present preliminary FY22 program to PWC
- ❖ March-May: Prepare contract documents and advertise bids
- ❖ Summer 2022: construct first sidewalk gap program
- ❖ Fall-Winter 2022-23: evaluate FY22 program and prepare for FY23 program
 - Review the Results Review Weights
 - Review Factors upon Implementation of Program Cycle(s) for Changes
 - Review location grouping for effectiveness

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Yours Truly