

Sidewalk Gap Prioritization



December 2020

Public Works Committee Meeting

Michael Park, PE, PTOE

City Traffic Engineer

LS

Yours Truly

Discussion Agenda

- ❖ Sidewalk Gap Program
- ❖ Historical Review of Sidewalk Gap Inventory & Priority
- ❖ Discuss Prioritization Factors & Process for Project Identification
- ❖ Funding, Implementation & Next Steps

CIP included \$500K of \$2.5M in FY21 for Sidewalk Gap Program

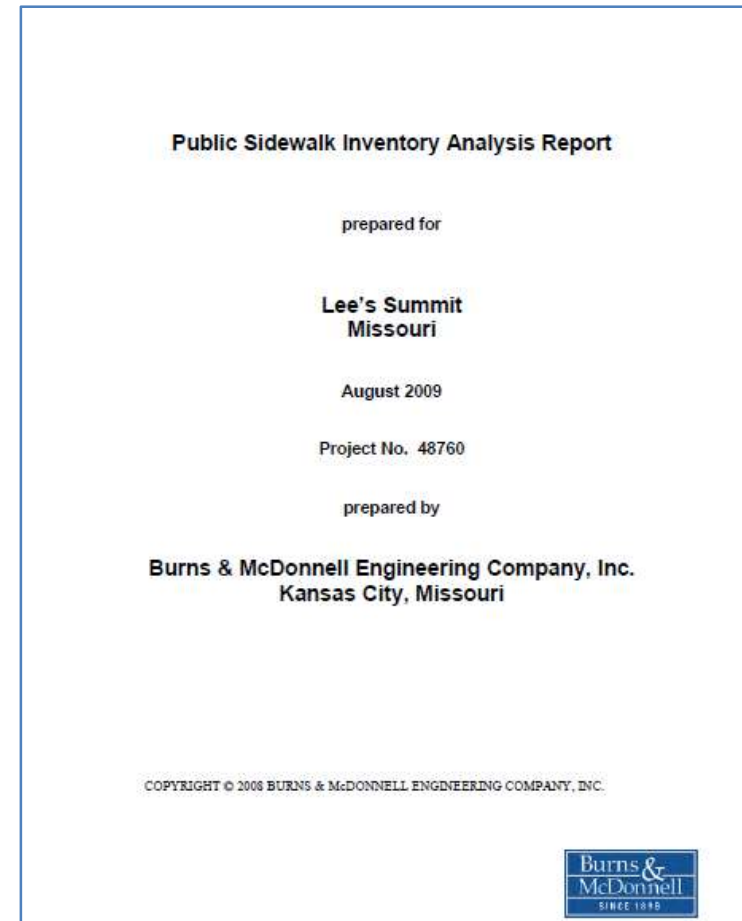
Over \$25M in Sidewalk Gaps Exist

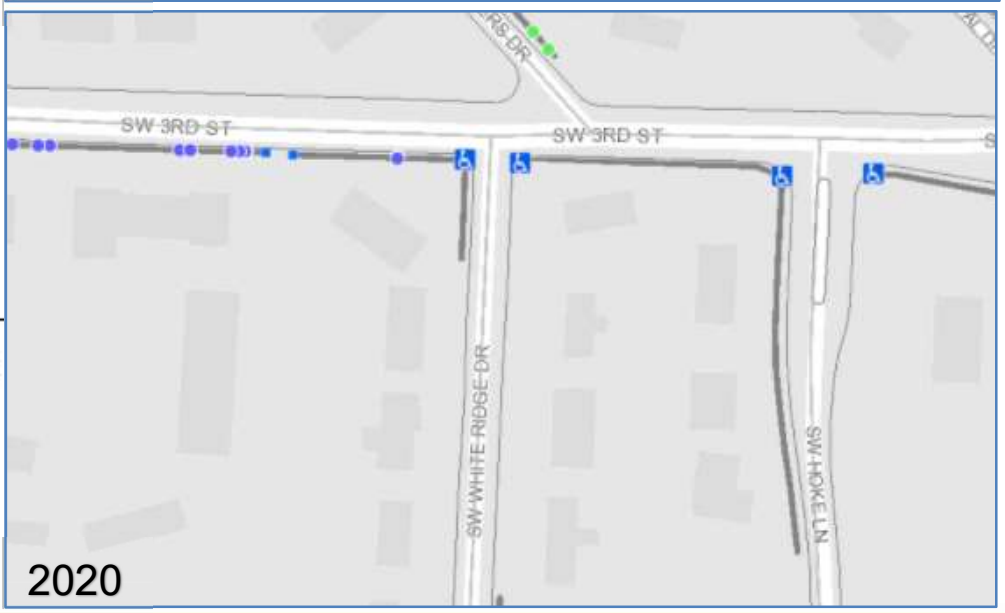
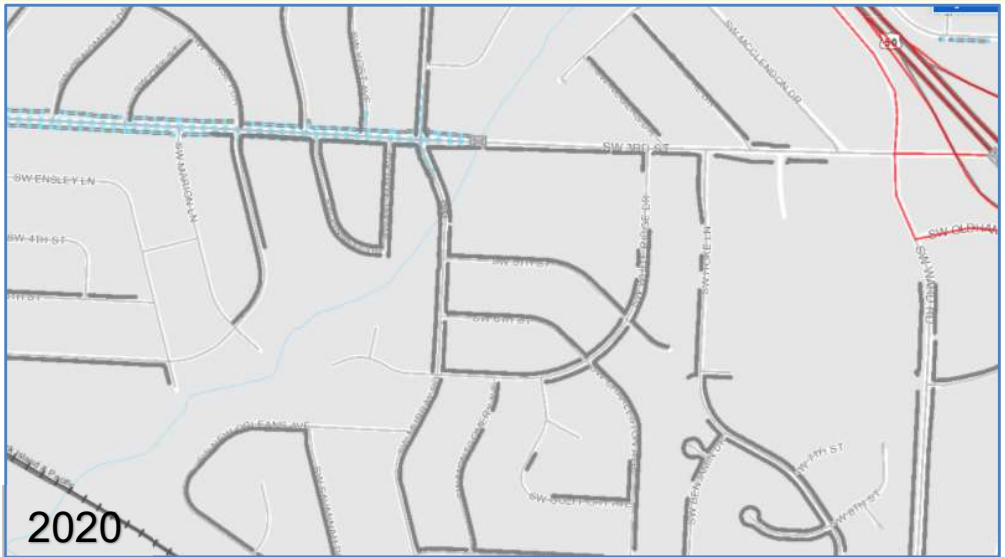
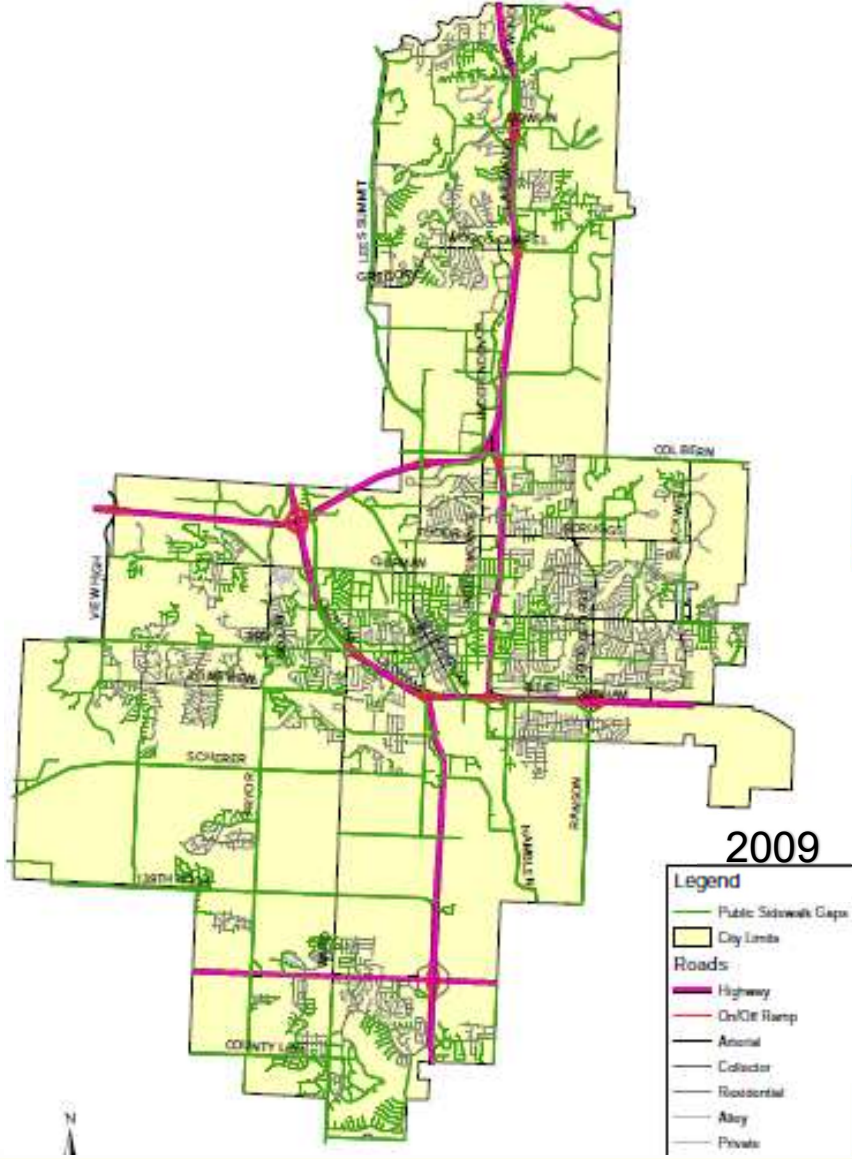
Sidewalk Gaps (Program Scope Clarification)

- ❖ What is considered a sidewalk gap?
 - ❖ Break in continuous sidewalk.
 - ❖ Missing sidewalk in an area that generally has sidewalk.
 - ❖ The absence of sidewalk where required by standards.
- ❖ What is not considered a sidewalk gap?
 - ❖ Developing Residential Lot pending sidewalk
 - ❖ Capital Improvement Project pending sidewalk
- ❖ What may or may not be a sidewalk gap?
 - ❖ Subdivision granted waiver to sidewalk
 - ❖ Unimproved Roads and Interim Standard Roads

Sidewalk Gap Inventory

- ❖ Inventory completed
- ❖ Gaps identified
 - ❖ Standard based requirements. (UDO)
 - ❖ Public Streets
 - ❖ Citizen reported gaps and requests
- ❖ ***286 Miles (1,510,080 feet) Sidewalk Gaps***
- ❖ Inventory updated
 - ❖ Standard based requirements. (UDO)
 - ❖ Work completed
 - ❖ New gaps found





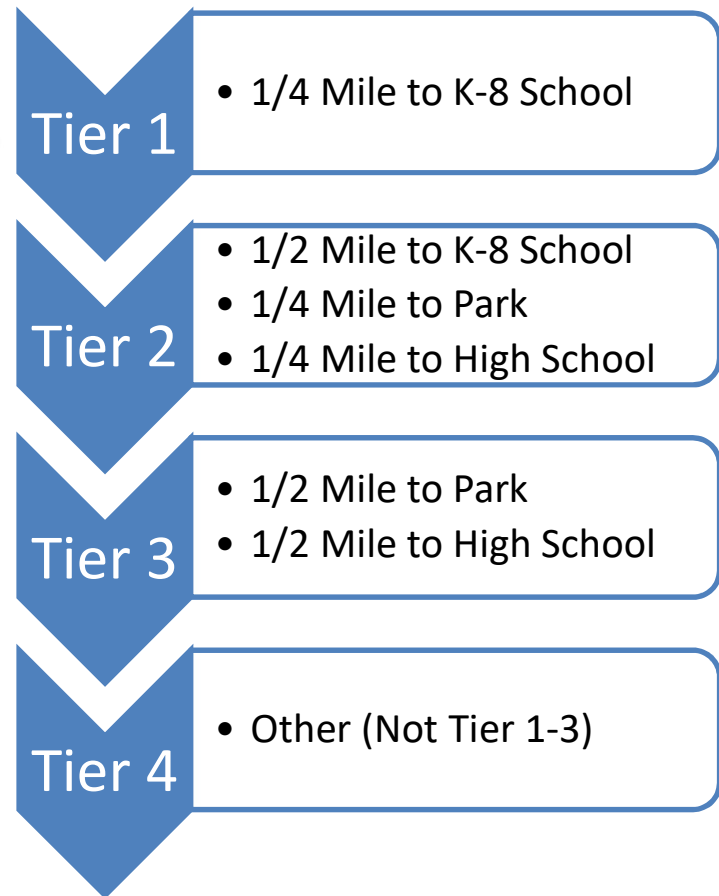
Sidewalk Gap Prioritization (Existing)

Higher Priority “A” (Recommended)

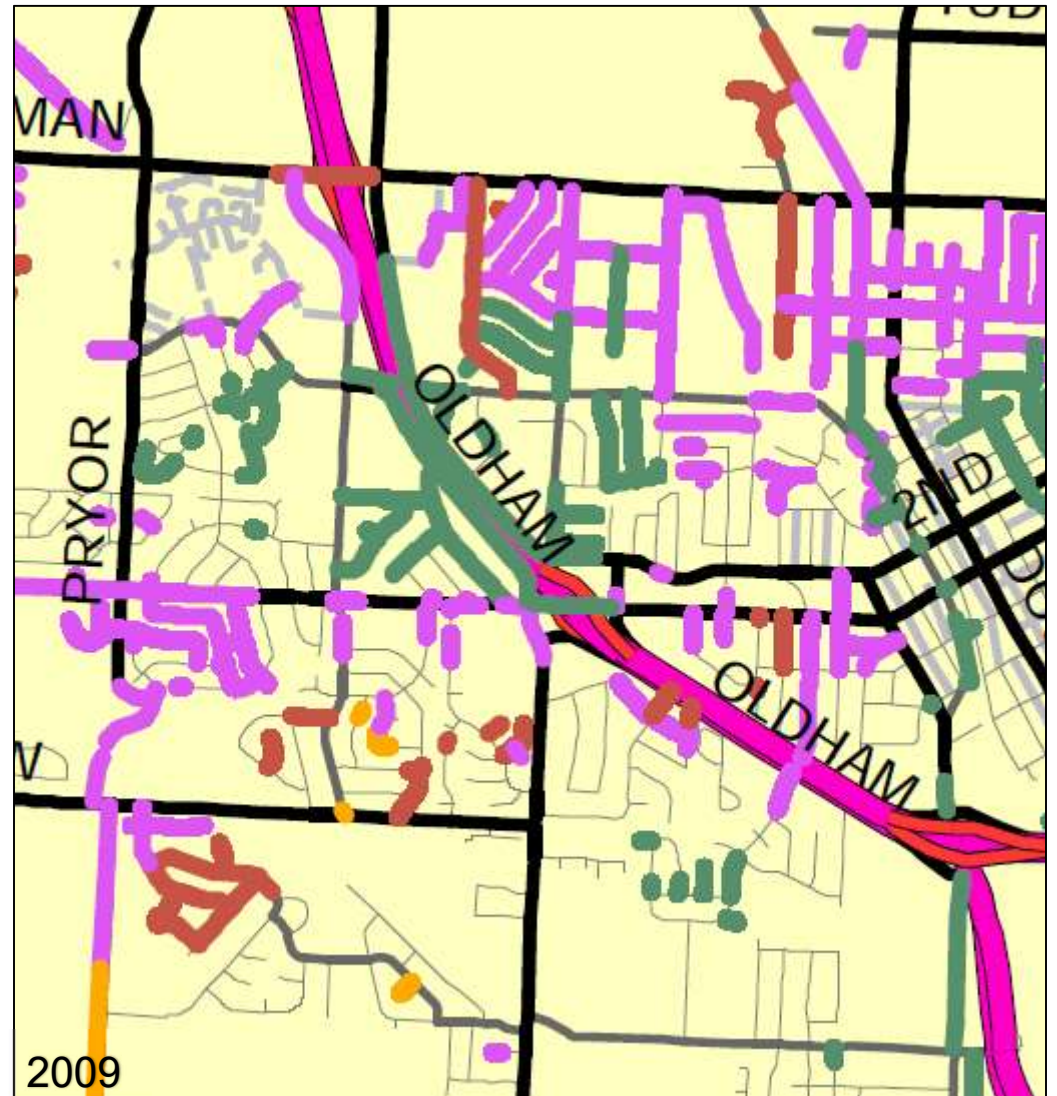
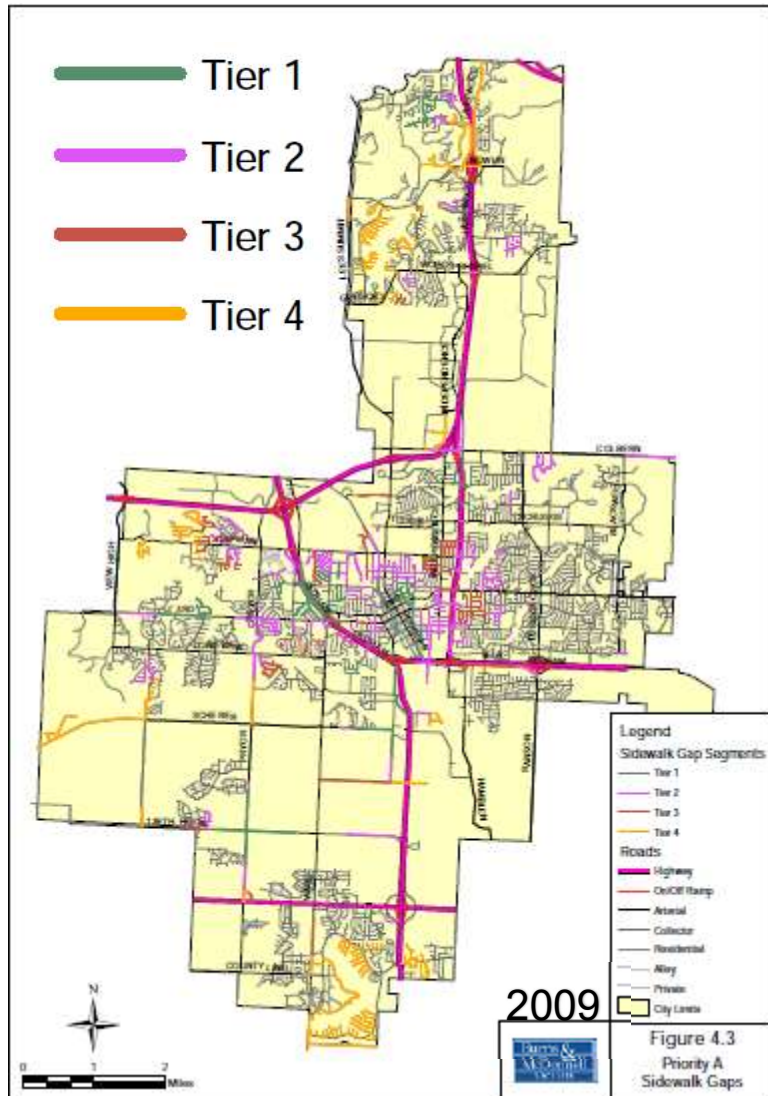
- ❖ Streets with No Sidewalk
 - ❖ Areas over 20 years old (adjusted date)
- ↓
- ❖ Streets with Some Sidewalk
 - ❖ Areas less than 20 years old (adjusted date)

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 (Considerations)

- ❖ Tiered System Changes
- ❖ Scaled Priority Factors
 - ❖ Sidewalk Presence
 - ❖ Land Uses
 - ❖ Age of Area
- ❖ Expand/Add Priority Factors
 - ❖ Street Classification/Characteristics
 - ❖ Connection Value/Benefit
 - ❖ Difficulty of Construction
 - ❖ Public Opinion/Demand
 - ❖ Other Factors?
- ❖ Weighted Priorities and Tiers (Importance/Impact)
- ❖ Assessment Methods: Funneled, Balanced, Rated/Scored

Sidewalk Gap Prioritization (Example)

❖ Other Factors for Consideration (With Tiered Approach)

❖ Priority A

- ❖ Along at least one-side of Arterial
- ❖ Commercial
- ❖ High Density Residential
- ❖ Publicly Supported Areas
- ❖ Connects Network (Block or Lot)
- ❖ *Over 20 Years Old*

❖ Priority B

- ❖ Along at least one-side of Collector
- ❖ Along both sides of Arterial
- ❖ Medium Density Residential
- ❖ Extends Network (Neighborhood)

❖ Priority C

- ❖ Along at least one-side of Local
- ❖ Single Family Residential
- ❖ Industrial
- ❖ Publicly Opposed Areas
- ❖ New Network (Not Connected)

❖ Priority D

- ❖ Along both sides of Collector
- ❖ Along one-side of Access
- ❖ Challenging Topography/Cost per L.F.
- ❖ *Less than 20 Years Old*

❖ No Priority

- CIP Project {
- ❖ Unimproved/Interim Arterials
 - ❖ Where Street Reconstruction Required

Sidewalk Gap Prioritization (Example)

❖ Scaled Categorical Ratings & Weighting System (Plus Tiers)

Connects Network (Block or Lot)

Commercial
High Density Residential

Arterial (No Sidewalk)

Politically Supported (Public Hearing) Areas

Collector (No Sidewalk)

Arterial (One Sidewalk)

Extends Network (Corridor or Neighborhood)

More than 20 Years Old

Medium Density Residential

Collector (One Sidewalk)

Publicly Supported Areas

Single Family Residential

Local (No Sidewalk)

New Network (Not Connected)

Low Density Residential

Industrial

Access (No Sidewalk)

Less than 20 Year Old

Publicly Opposed Areas

Undeveloped/Agricultural

Unimproved/Interim Arterials

Street Reconstruction Required

Importance Scale

Impact Scale

Sidewalk Gap Prioritization

Existing Methodology/Process

- ❖ Verify on the “List” of gaps.
- ❖ Start with “List” in Priority “A” Tier 1.
- ❖ Staff recommends locations with highest demand and benefit/cost using priority guidance.
- ❖ City Council approves construction bids (and design contracts) for recommended locations.

Methodology/Process Discussion (Changes, New Steps, Etc.)

- ❖ A revised process for project identification within the tiered approach that considers other factors...a more narrow set of objectives than the existing methodology where Council chooses more influential factors and potentially weighted importance for staff preparation of recommended projects with less subjectivity and greater probability of met expectations.

Sidewalk Gap Prioritization

Discuss and Affirm PWC Direction and Recommendations

- ❖ Proceed with Current Policy Priority OR
- ❖ Incorporate PWC Feedback and Present PWC with Revised Priority System
 - ❖ Add Categories/Scale Factors
 - ❖ Add Weighting to Factors

Schedule

- ❖ January: PWC Meeting (Update)
- ❖ February: CC Meeting to Present PWC Recommendations for Concurrence
- ❖ March-May: Staff Implements Council Approved Sidewalk Prioritization. Project Design/Bid
- ❖ Sidewalk Gap Program FY21, \$500K Adopted CIP, Construction Spring/Summer
- ❖ Sidewalk Gap Program FY22-FY25, \$500K Annually Funded CIP Program
- ❖ Sidewalk Gap Program - \$2.5M (A 2017 15-Year Transportation Sales Tax Commitment)

Michael Park, PE, PTOE

City Traffic Engineer

Michael.park@cityofls.net

816.969.1800



LEE'S SUMMIT
MISSOURI



Yours Truly