

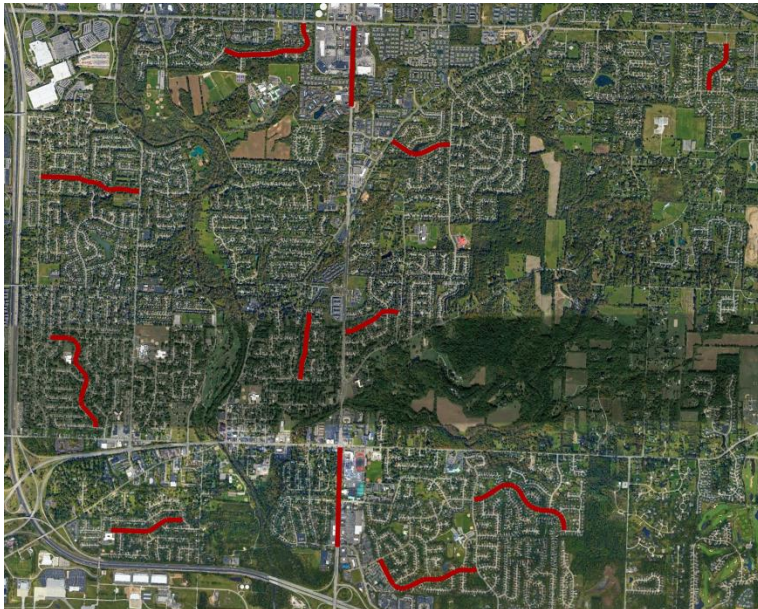
SIDEWALK MAINTENANCE AND REPAIR PROGRAM



November 9, 2020

INSPECTION

- 15,000+ sidewalk panels
- Investigated 12 primary defects
- Gathered supporting data to help explore program scenarios.



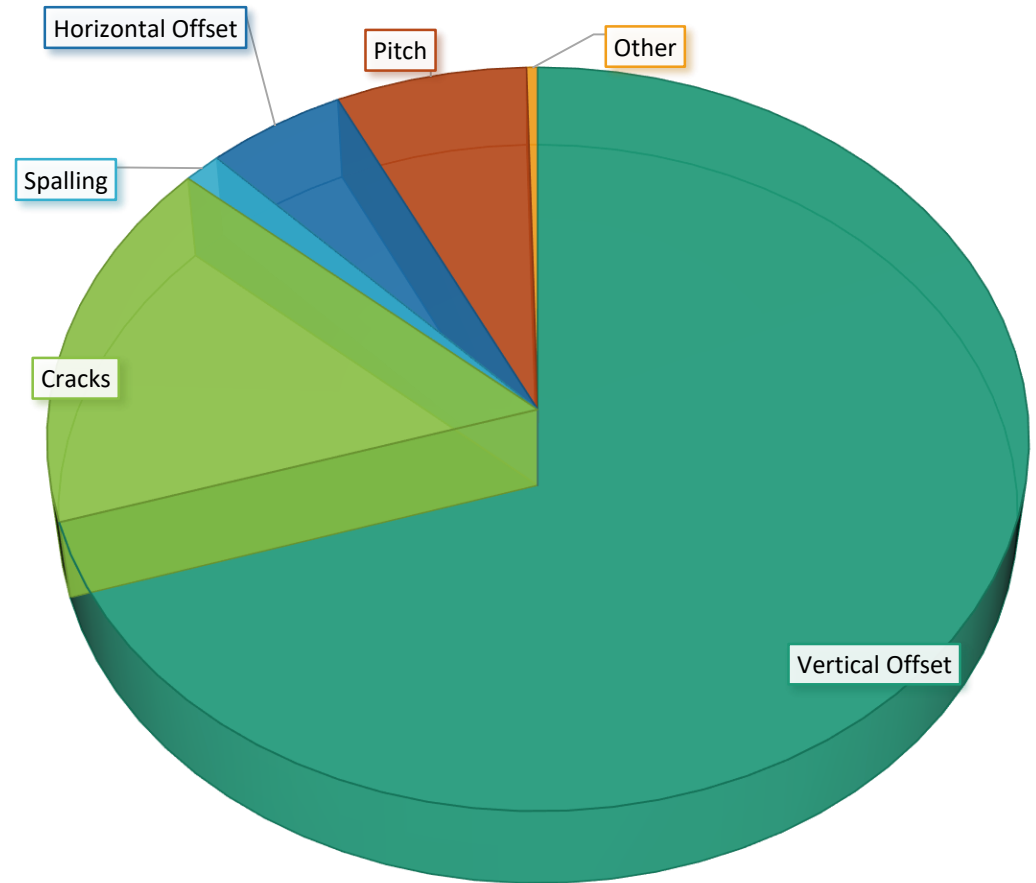
| |
|----------------|
| BEAVERBROOK DR |
| CAROWAY BLVD |
| DARK STAR AVE |
| DUNBARTON RD |
| EMPIRE DR |
| FORESTWOOD DR |
| N. HAMILTON RD |
| S. HAMILTON RD |
| HIGHMEADOW DR |
| JENSEN PARK DR |
| LYNCROFT DR |
| TRESHAM RD |

OCCURENCE OF SIDEWALK DEFECTS

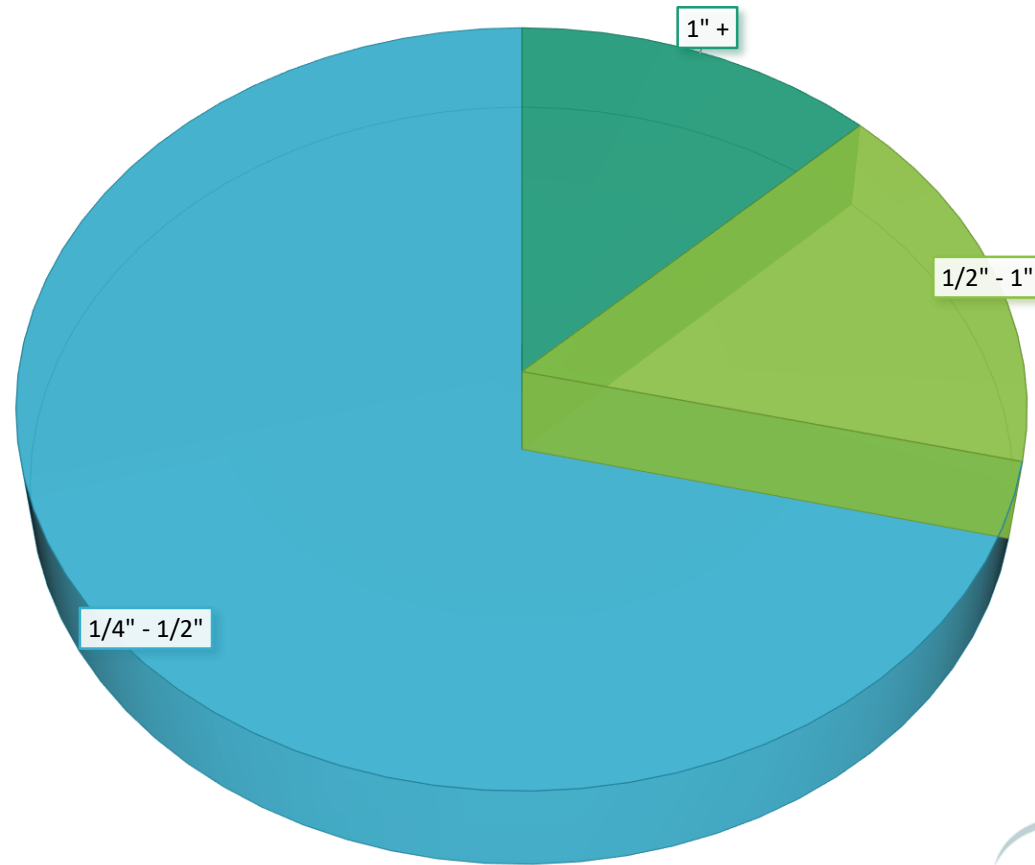
70% Vertical Offset

17% Crack and Spalling

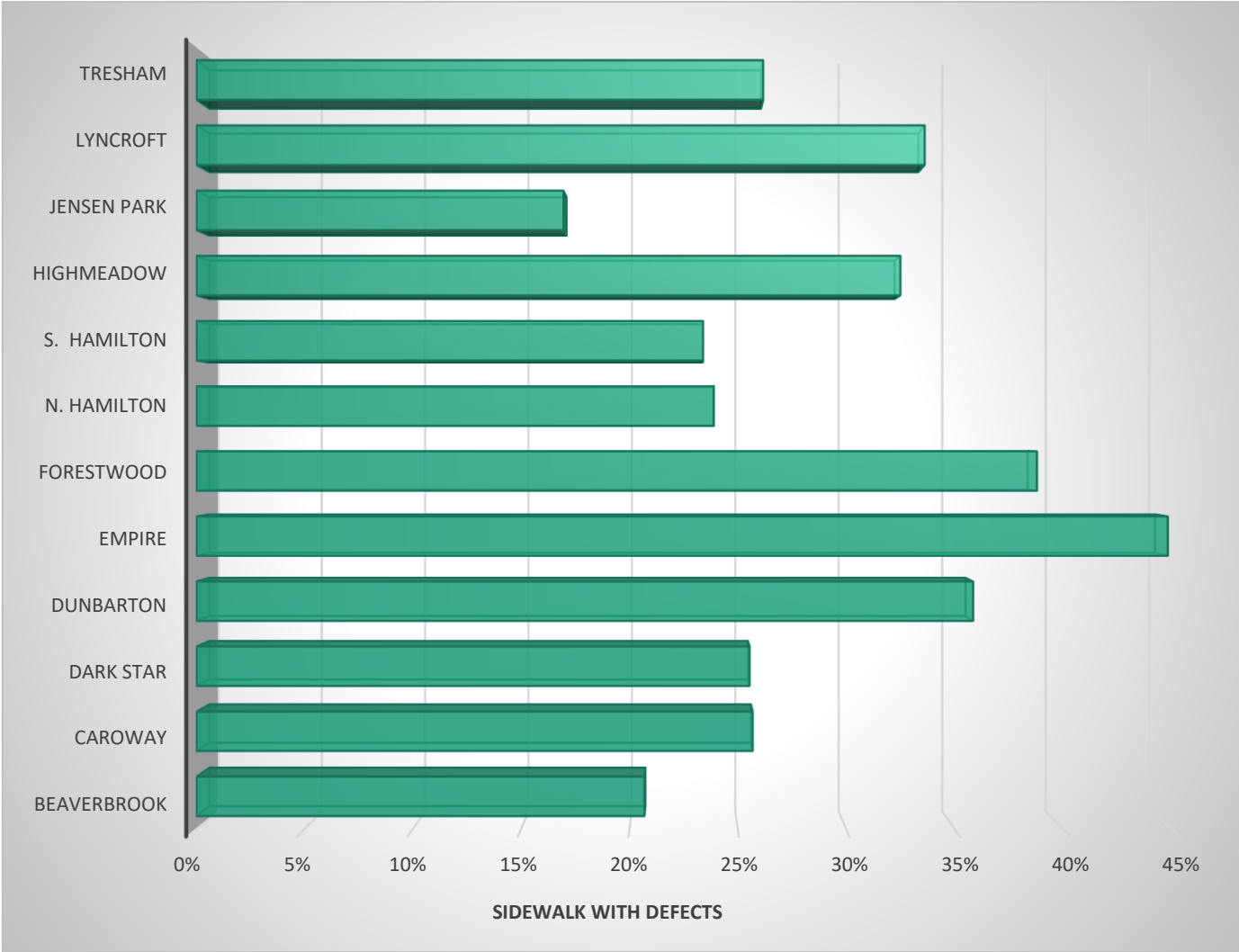
29% of all sidewalk had one or more defect



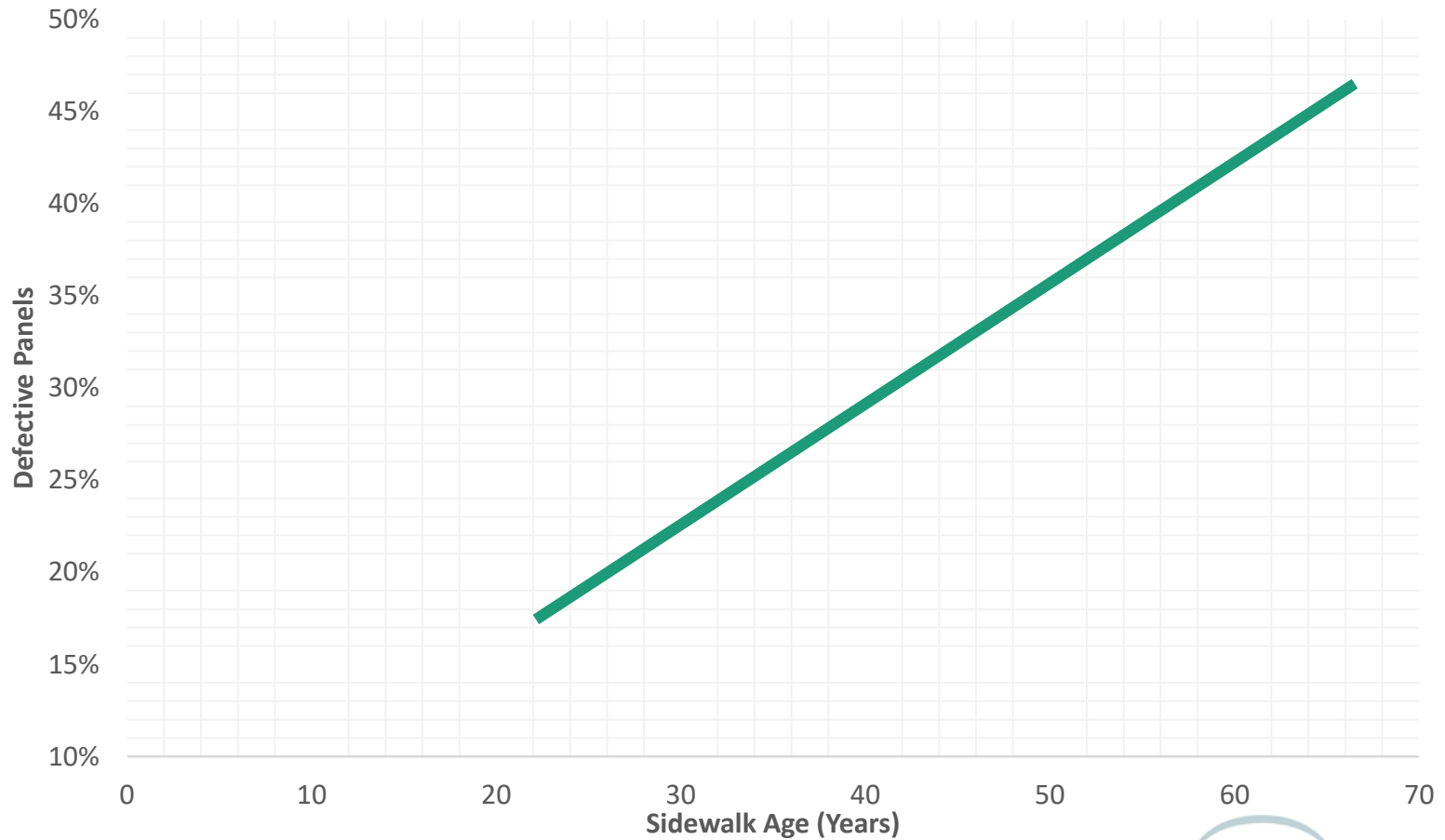
VERTICAL OFFSET DETAILS



STREET BY STREET FINDINGS



AGE VS CONDITION



GENERAL RECOMENDATIONS

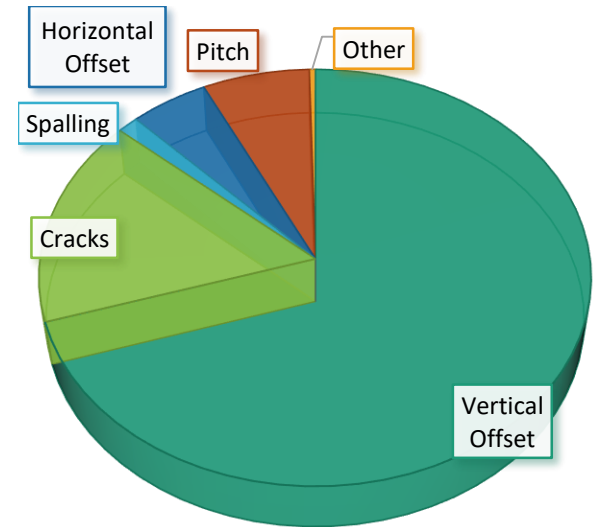
- Establish new maintenance standards for sidewalks in the public right of way.
- Adopt Codified Ordinances establishing the framework of a special assessment based sidewalk maintenance program.
- Set a 15 year goal for all sidewalks in Gahanna to be improved by this program.



PROPOSED STANDARDS

MAINTENANCE STANDARDS

- $\frac{1}{4}$ " to $\frac{1}{2}$ " vertical offset may be chamfered
- Maximum $\frac{1}{2}$ " vertical offset
- Maximum $\frac{1}{2}$ " horizontal offset
- Severe cracking and spalling
- Excessive Cross Slope
- Negative Pitch
- Other conditions causing unsafe conditions



PROWAG (Public Right-of-Way Accessibility Guidelines)

OPERATIONAL PROCESS

ADMINISTRATIVE

- Propose Program Area
- Conduct inspections and develop cost estimates for each parcel
- Notify residents of sidewalk defects and program. Provide a timeline to “opt-out” and complete repairs themselves to avoid an assessment
- Present Resolution of Necessity to Council
- Bid sidewalk repairs
- Oversee completion of repair contract
- Prepare assessment paperwork based on actual repair costs
- Present special assessment to Council
- Manage warranty inspections and repairs

COUNCIL

- Authorize Program Area
- Pass resolution of necessity
- Authorize repair contract award
- Levy special assessments



FINANCES

| Assessment Year | Expenditure | Revenue | Net |
|-----------------|--------------|--------------|----------------|
| 1 | \$ 1,694,000 | \$ - | \$ (1,694,000) |
| 2 | \$ 1,694,000 | \$ 284,602 | \$ (1,409,398) |
| 3 | \$ 1,694,000 | \$ 569,204 | \$ (1,124,796) |
| 4 | \$ 1,694,000 | \$ 853,806 | \$ (840,194) |
| 5 | \$ 1,694,000 | \$ 1,138,408 | \$ (555,592) |
| 6 | \$ 1,694,000 | \$ 1,423,010 | \$ (270,990) |

Assumptions

- 15 year revolving program area
- Adopt proposed Maintenance Standards
- 5 year, 0% assessment
- 100% program participation (no opt-outs)
- Trees upheaving sidewalk are removed
- Administration and Professional Service costs are not assessed



FINANCES CONT.

| Lot Width | Average Assessment per Home |
|-----------|-----------------------------|
| 60 ft | \$ 706 |
| 80 ft | \$ 941 |
| 90 ft | \$ 1,059 |
| 120 ft | \$ 1,412 |
| 230 ft | \$ 2,706 |

Assumptions

- 29% of sidewalks are defective on average
- 15% of walks require chamfering
- 12% of walks require replacement
- 21 street trees are replaced per mile of sidewalk on average
- 1,027 homes assessed each year



REGIONAL SIDEWALK POLICIES

| | Max. Vertical Offset | Funding |
|-----------------|----------------------|-------------|
| Upper Arlington | 1" | Assessment |
| Westerville | 1" | Assessment* |
| Powell | ½" | Assessment |
| Grove City | ¼" | 50/50 Split |

*Moving towards a publicly funded program



ITEMS FOR COUNCIL CONSIDERATION

- IDENTIFYING PROGRAM AREA(S)
- COST / TIMELINE FOR THE PROGRAM
- SPECIAL ASSESMENT DETAILS
- MAINTENANCE CRITERIA
- CODE CHANGES AND POLICY ADOPTION
- STREET TREE POLICY