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Sidewalk Maintenance Program "Backlog" Review

Agenda

- Program History *(recap from 8/28/24 Council Meeting)*
- Sidewalk Assessment *(recap from 1/27/25 Council meeting)*
- Sidewalk Maintenance Program Backlog
- Proposed Backlog Project
- Next Steps
- Feedback/ Discussion

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Why are we here?

- **Sidewalks have an average lifespan of 25-50 years**
  - Tualatin's growth since 1970 means the sidewalk system is reaching end of life
- **Street trees have an average lifespan of 20 years**
  - Street trees are a major cause of sidewalk hazards
- **Sidewalks and street trees are the responsibility of the property owner**
  - Many property owners are not addressing maintenance
  - Repairs can be expensive
- **Current program/ funding is falling behind**
  - Sidewalk Maintenance Program has limited funding and scope
  - From 3-year cycle to 9-year cycle

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Current Sidewalk Maintenance Program

- **Purpose -** To repair residential sidewalks that have been damaged by street trees
  - Annual Budget - $150,000 (addresses 10-15% of defects/yr)
  - Criteria – Sidewalk damage caused by street tree roots
    - Lifts over ¼ inch (ADA)
    - Street tree caused only
    - Not in a driveway
  - The current program has increased to a 9-year cycle

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Citywide Assessment

- Citywide assessment (summer 2024) to understand current state of sidewalk network

- Data collection included:
  - Documenting every ADA concern
  - Photographing of curb ramps
  - Marking trip hazards with white paint

- **Goal:** Understanding total network condition and help guide decisions on future program changes

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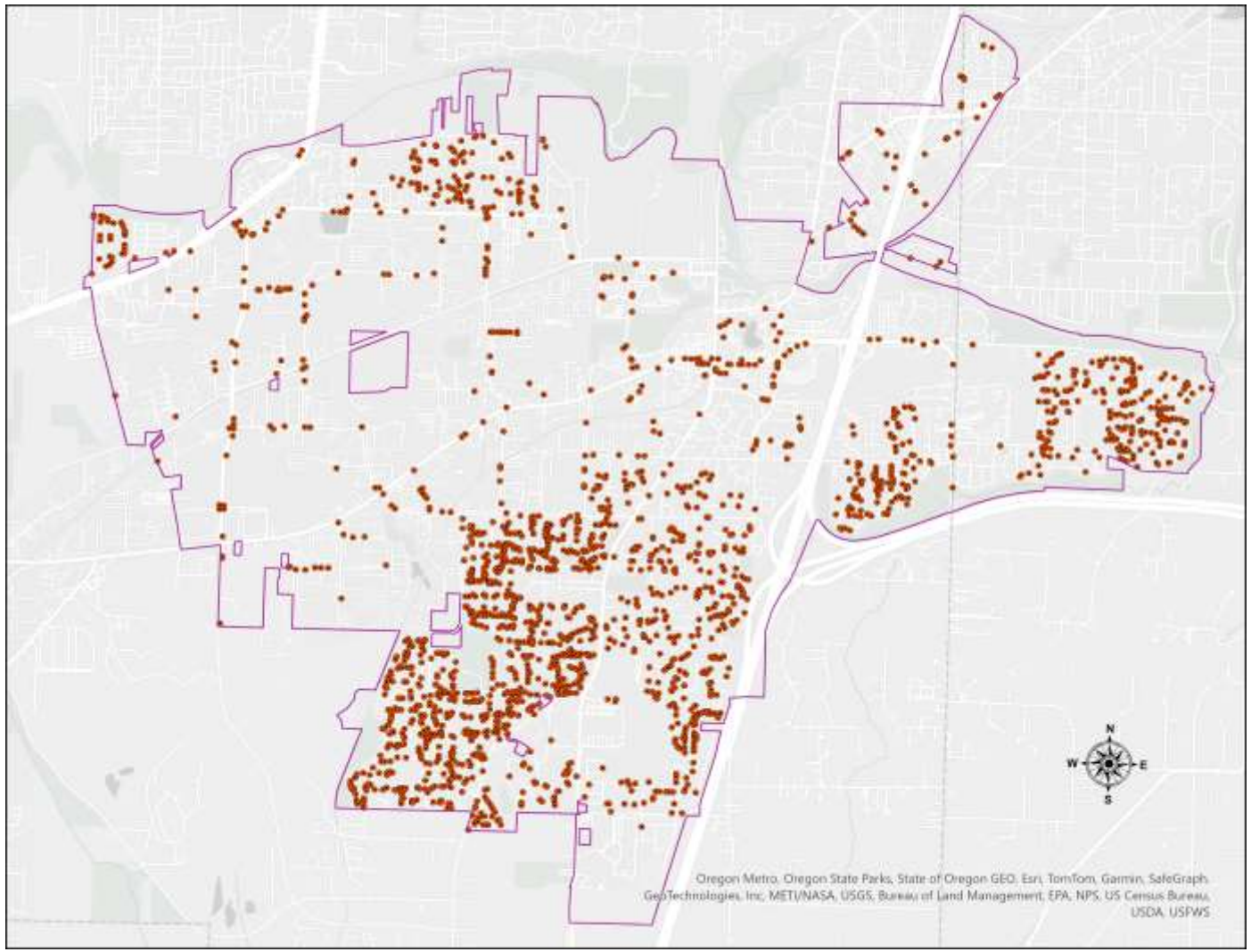
City-Wide Assessment

Summer 2024



- 2,094 recorded defects in the sidewalk system
- Most defects are in residential areas
- Majority of defects are not caused by street trees

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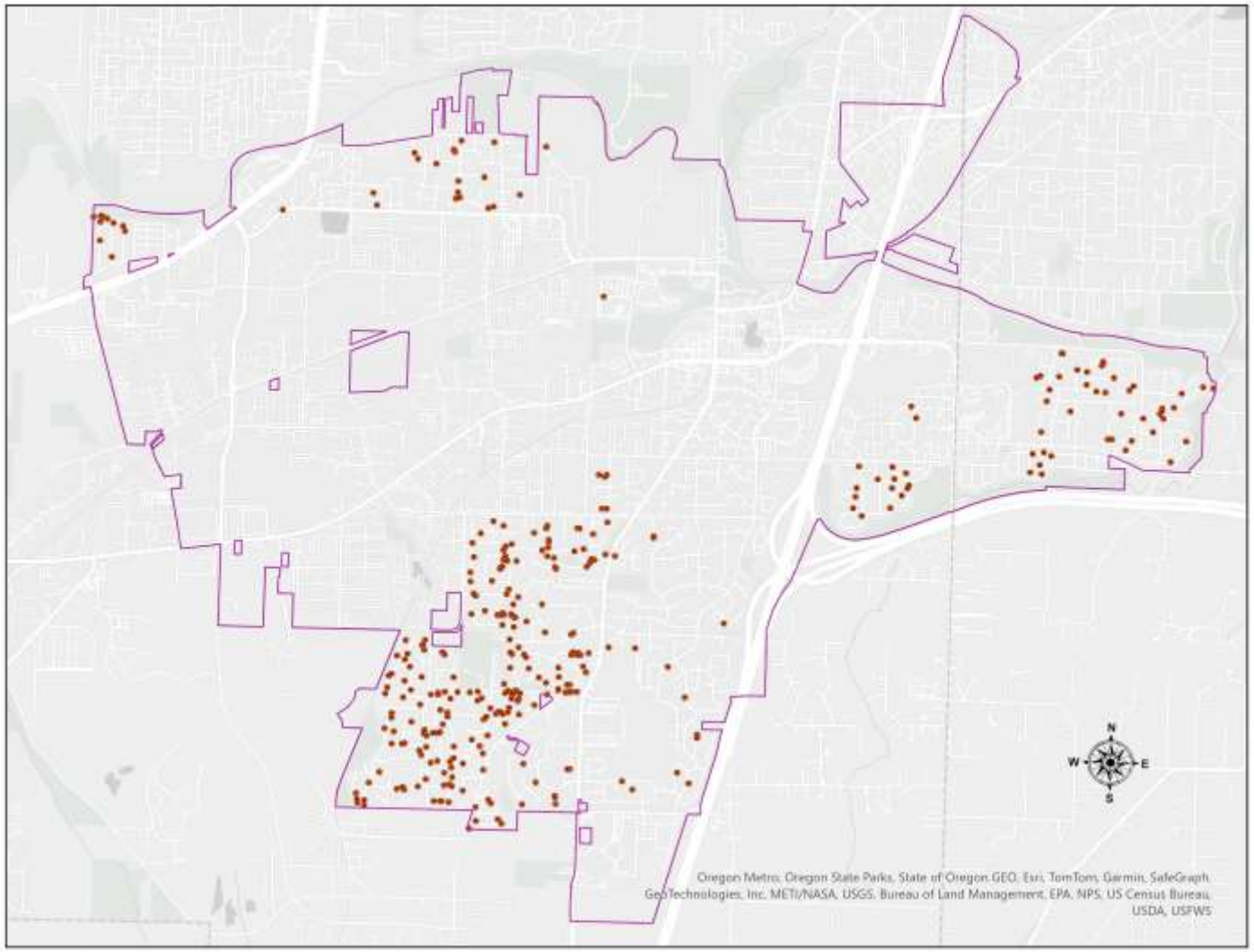
City-Wide Assessment

Summer 2024



- Backlog of 327 defects **qualified** for Sidewalk Maintenance Program
- Program is not as far behind as we thought

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Approaching the Work

1. Update street tree list and root barrier solutions to reduce future impacts

2. Slightly alter the Sidewalk Maintenance Program:
   - Replacement of panels only, no grind work
   - Use low-emissions concrete *(CAP action 7.3.1)*

3. Utilize one-time City funds to "catch-up" on the backlog over two years before changing program

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Repair Costs

Panel Cost = $705/per panel

Tree Cost = $1,500/per tree to remove and replant

Root Barrier = $250/per tree

Sidewalk Grinding = $77/per joint

Cost estimates include:

- General contractor expense to manage project
- Low emission concrete
- Addition of root barriers

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Backlog Overview

# Trees Replaced	337
% of trees	3.0%
# Defects repaired	327
% of defects	16%
Cost	**$1,200,000**

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Funding

Total Funding Request: $1,200,000

Funding Sources

- Current program funding
- ARPA
- Road Utility Fund
- General Fund

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Next Steps

1. Council feedback on backlog approach
2. Adaptive street tree list *(CAP action 5.2.2)*
    - Includes root barrier guidance
3. Select contractor(s) (Council Approval)
4. Begin year 1 work
5. Mid-project check-in with Council
6. Complete year 2 work
7. Come back to Council to discuss future program criteria
8. Transition to new program once backlog is complete

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