

Sidewalk Assessment Update



Seattle Pedestrian Advisory Board
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Asset & Performance Management
February 14, 2018



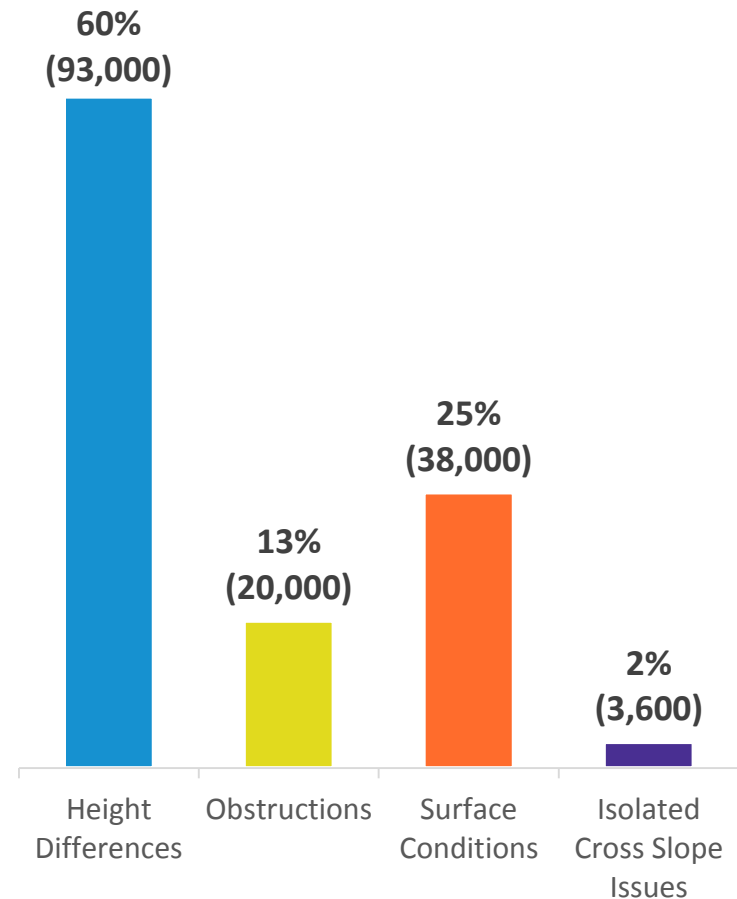
Seattle
Department of
Transportation

Presentation outline

- Project findings
- Communications
- Timeline and next steps
- 2018 Sidewalk Capital and Repair Plan

Collection Findings

- Over 34,000 blocks of sidewalk inspected
- Over 155,000 observations collected
- Equivalent to 2,323 miles








Sidewalk Surface Types

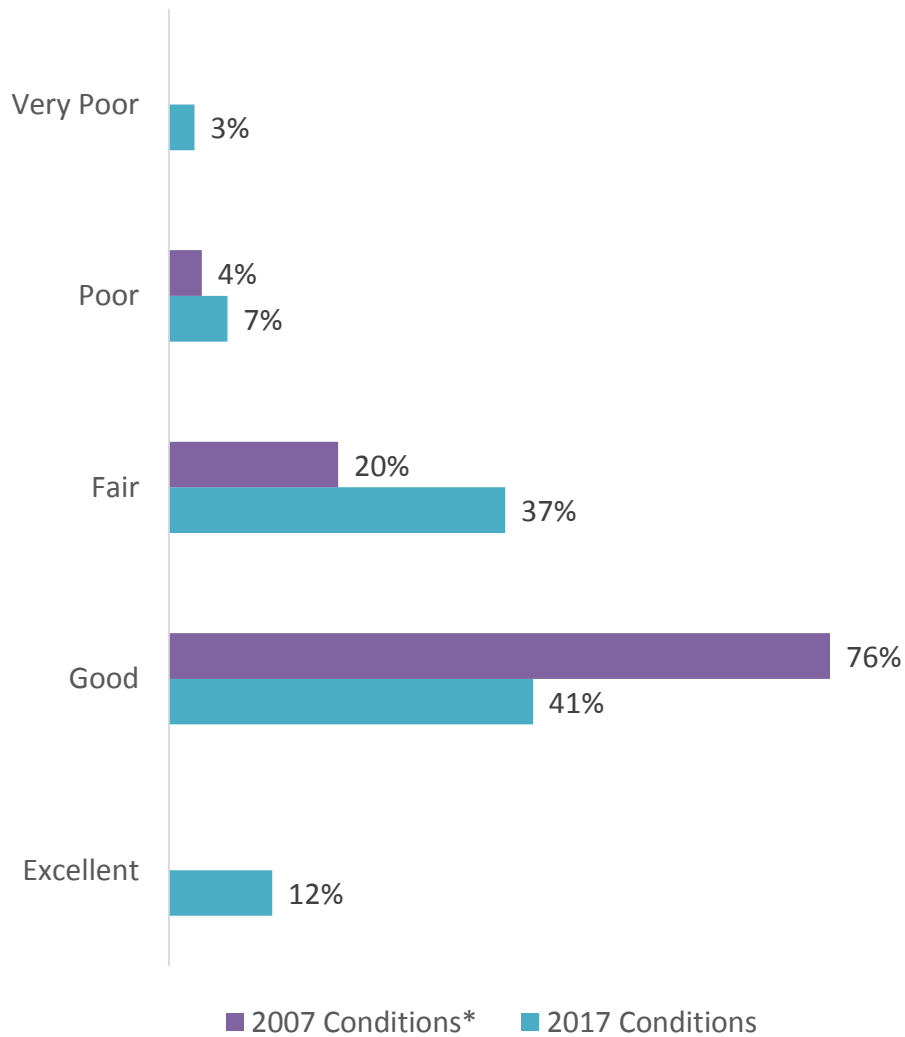
- Asphalt, 752
- Asphalt At Grade, 6
- Brick, 88
- Gravel, 55
- Other, 14
- Concrete, 33522
- Concrete At Grade, 15
- Concrete / Traction Strips, 248
- Pervious Concrete, 110
- Rubber Tile, 2



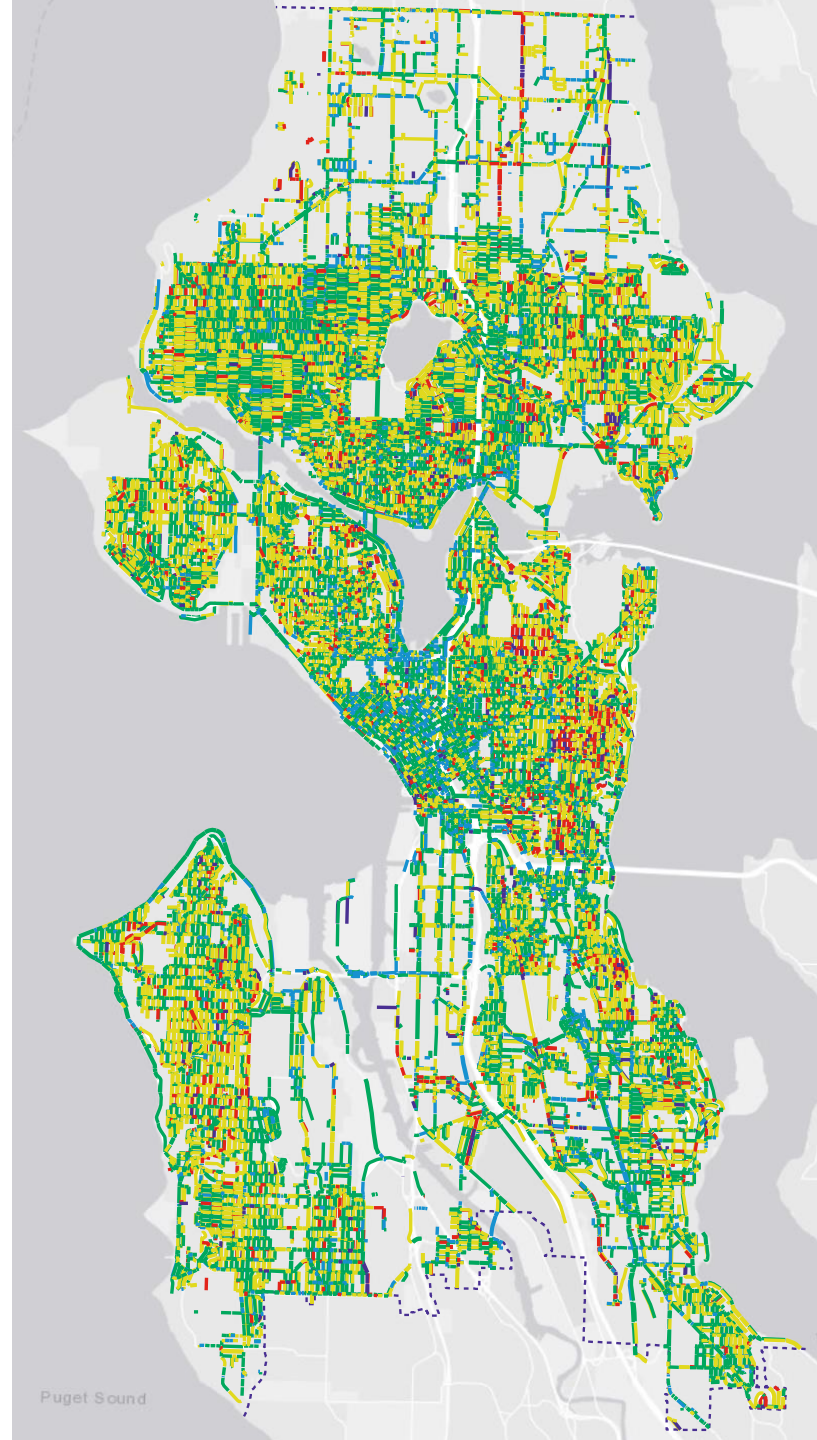
Condition Definitions

	Excellent	Score = 100	No observable issues along the pedestrian clear zone, compliant width of ≥ 48 inches, and compliant primary cross slope of $\leq 2\%$
	Good	$85 \leq \text{Score} < 100$	Minor issues along the pedestrian clear zone: sidewalk extends the full length of the block with no discontinuities; may have minor uplifts and $\leq 5\%$ of the sidewalk requires slab replacement; may have a width < 48 inches to ≥ 36 inches and/or primary cross slope $\leq 4\%$ and $> 2\%$
	Fair	$45 \leq \text{Score} < 85$	Issues are of medium severity; discontinuities exist that may impact mobility; $\leq 25\%$ and $> 5\%$ of the sidewalk may need replacement; may have a width between < 36 and ≥ 24 inches and/or a primary cross slope $\leq 6\%$ and $> 4\%$
	Poor	$5 \leq \text{Score} < 45$	Issues are severe; discontinuities exist that may impact mobility; $\leq 75\%$ and $> 25\%$ of the sidewalk may need replacement; may have a width < 24 and ≥ 12 inches and/or a primary cross slope $\leq 8\%$ and $> 6\%$
	Very Poor	Score < 5	Widespread severe issues; discontinuities exist that impact mobility; 100% to 76% of the sidewalk needs replacement; may have a width < 12 inches and/or a primary cross slope $> 8\%$

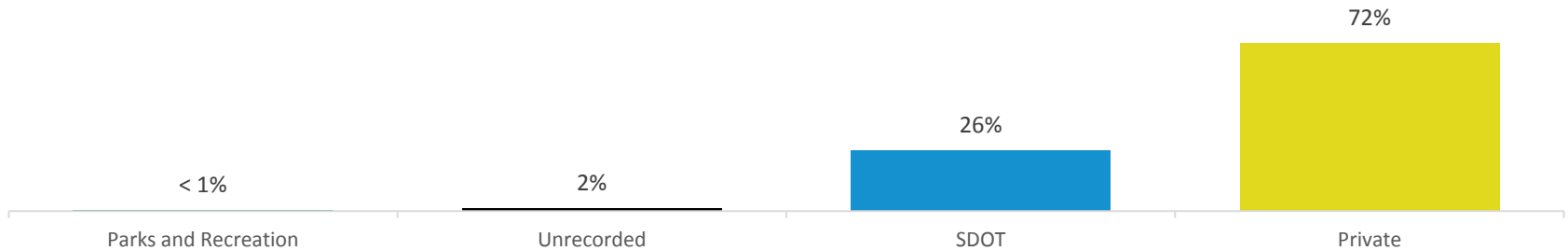
Condition Results







*Extrapolation of conditions based on 25% survey of Urban Villages, 75% of conditions unknown

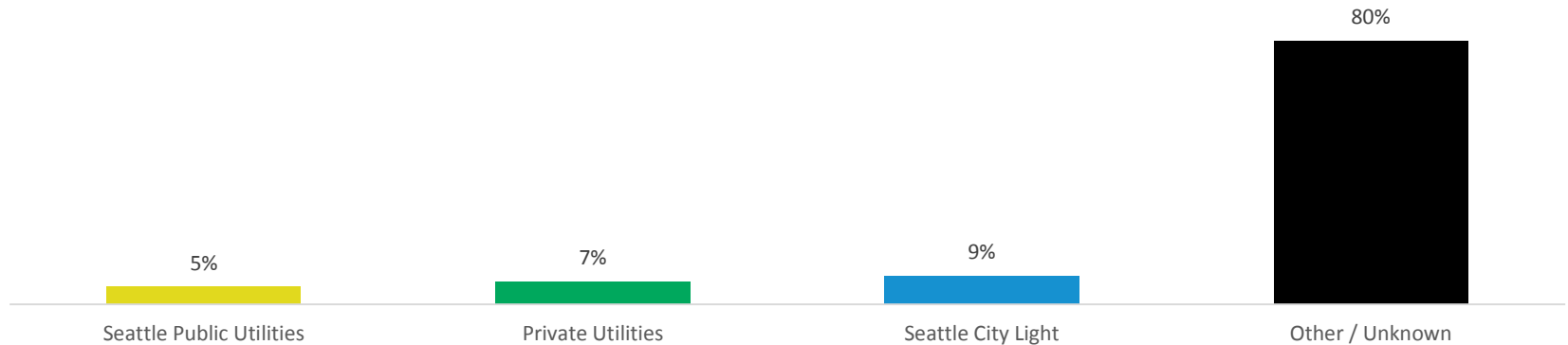






Tree Related Issues = 12%



Tree Ownership	Observation Type				Total
	Height Differences	Isolated Cross Slope Issues	Obstructions	Surface Conditions	
Private 	11,033	131	1,870	74	13,108
SDOT 	4,167	46	440	63	4,716
Not Recorded 	99	5	10	78	192
Parks and Recreation 	63	-	6	-	69
Total	15,362	182	2,326	215	18,085

Utility Related Issues = 1%



Utility Ownership	Observation Type			Total
	Height Difference	Obstruction	Surface Condition	
Other / Unknown 	977	2	4	983
Seattle City Light 	80	-	2	82
Private Utilities 	105	-	-	105
Seattle Public Utilities 	64	-	-	64
Total	1,226	2	6	1,234

Communications

- Updated project [website](#) to educate property owners on responsibility
- Project observation data available at: http://data-seattlecitygis.opendata.arcgis.com/datasets/4e4c46b13e69415c93a34a7057e22689_0
- Conditions data available at: <https://seattlecitygis.maps.arcgis.com/apps/webappviewer/index.html?id=86cb6824307c4d63b8e180ebcff58ce2>
- The tree inventory, with ownership assigned: <http://web6.seattle.gov/SDOT/StreetTrees/>
- Presenting recommendations at the March 6 Council Briefing

Assessment Timeline

Jan – Mar
2017

- Project planning
- Design
- Tool testing

Sept
2017

- End of data collection

Jan – Feb 2018

- Draft executive summary/final report
- Pilot sidewalk prioritization model for proactive repairs

Q2 – Q4 2018

- Publish final report
- Publish external web maps
- Implement Inspection Tool

May
2017

- Start of data collection

Oct—Jan
2018

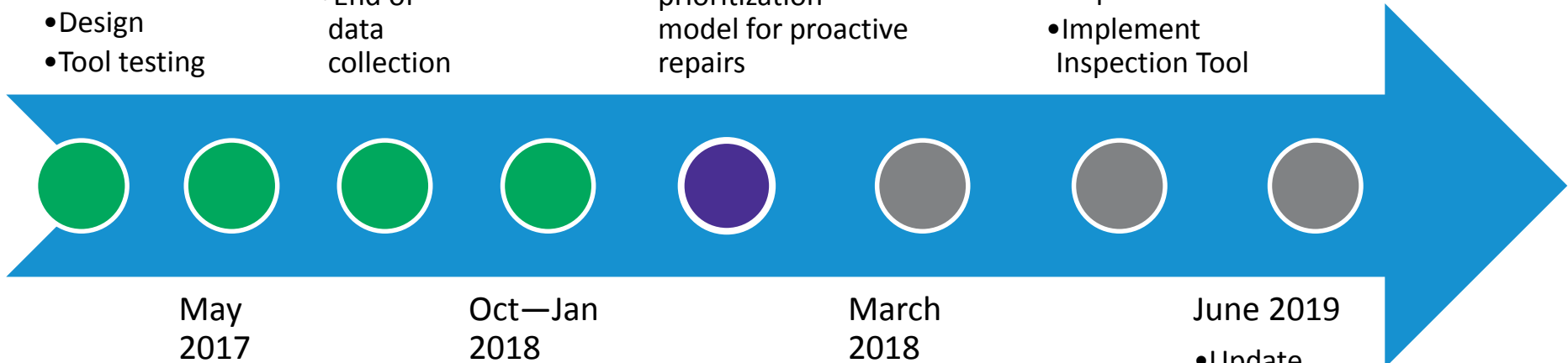
- Post-process data
- Update asset condition data

March
2018

- Executive Summary
- Council Briefing (3/6/2018)

June 2019

- Update Transportation Status & Condition Report



Sidewalk Safety Repair Program

About the Current Program

- Program objective: to make sidewalks safe
- Investigate complaints of unsafe or inaccessible sidewalks
- Use temporary mitigation measures
- Determine repair responsibility
- Repair sidewalks as funding becomes available
- Annual Budget: about \$1.6 million, in 2018 one-time allocation of \$2 million

Moving Forward

- Continue current customer service and claims response
- Pursue partnering opportunities with internal and external agencies
- Improve property owner notification and enforcement process
- Provide more education about repair responsibility
- Add a proactive strategy for prioritized sidewalk maintenance plan

3 to 5-year Plan Proposal (SPAB)

- Annual prioritization of capital project collaboration
- Major sidewalk repairs related to SDOT Trees
- SPAB Engagement Timeline:
 - October: Assess completed work, strategize next year's plan
 - November / December: Present planned projects and capital project opportunities to SPAB for input

Questions?

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Repair Request? Contact 206-684-ROAD or use [Find it, Fix It](#)

<http://www.seattle.gov/transportation/about-sdot/asset-management>

<http://www.seattle.gov/transportation/projects-and-programs/programs/maintenance-and-paving/sidewalk-repair-program>

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