



Sidewalk Safety Repair Program

Pavement Engineering &
Management Section
(PEMS, PSMRCC Division)

Sidewalk Safety Repair Program

- Sidewalk Safety Repair Program Overview
- Move Seattle Deliverables
- Existing Sidewalk Conditions
- Repair Prioritization
- 2022 Work Plan

SSRP Overview

- The Sidewalk Safety Repair Program (SSRP) oversees the maintenance of the City's existing sidewalks.
- The program's goal is to make sidewalks safe and accessible.
- The program is funded to repair sidewalks damaged by SDOT street trees or adjacent to City-owned property.
- We perform full sidewalk replacement (concrete or asphalt) and preventative maintenance (shims and bevels).



SSRP Overview



219 22nd Ave S sidewalk repair (before & after)

SSRP Overview



E Thomas St & 17th Ave E sidewalk repair (before & after)

Program Staff & Supporting Groups

- 2 full-time SSRP staff
 - SSRP Program Manager
 - + 1 associate
- 4 concrete crews
- 2 asphalt crews
- 4 street maintenance crews (asphalt sidewalk shims)
- Bevel contractor



Examples of beveled sidewalks in Belltown

Move Seattle 9-year Budget & Deliverables

Move Seattle Levy Goals

225 block equivalents of sidewalk repair in 9 years

- 25 block equivalents of sidewalk replacement
- (1 block equivalent = 2,000 sq ft)
- 1,000-5,000 sidewalk spot repairs (bevels/shims)

Year	Sidewalk Replacement (block equiv)	Sidewalk Replaced Cumulative (block equiv)	Spent/Budget
2016	42.55	42.55	\$1.7M
2017	11.87	54.42	\$1.9M
2018	23.7	78.12	\$3.7M
2019	29.01	107.13	\$5.3M
2020	18.12	125.25	\$3.8M
2021	38.48	163.73	\$4M
2022	<u>21</u>	<u>184.73</u>	\$5M
2023	<u>21</u>	<u>205.73</u>	\$5.2M
2024	<u>20</u>	<u>225.73</u>	\$4.7M

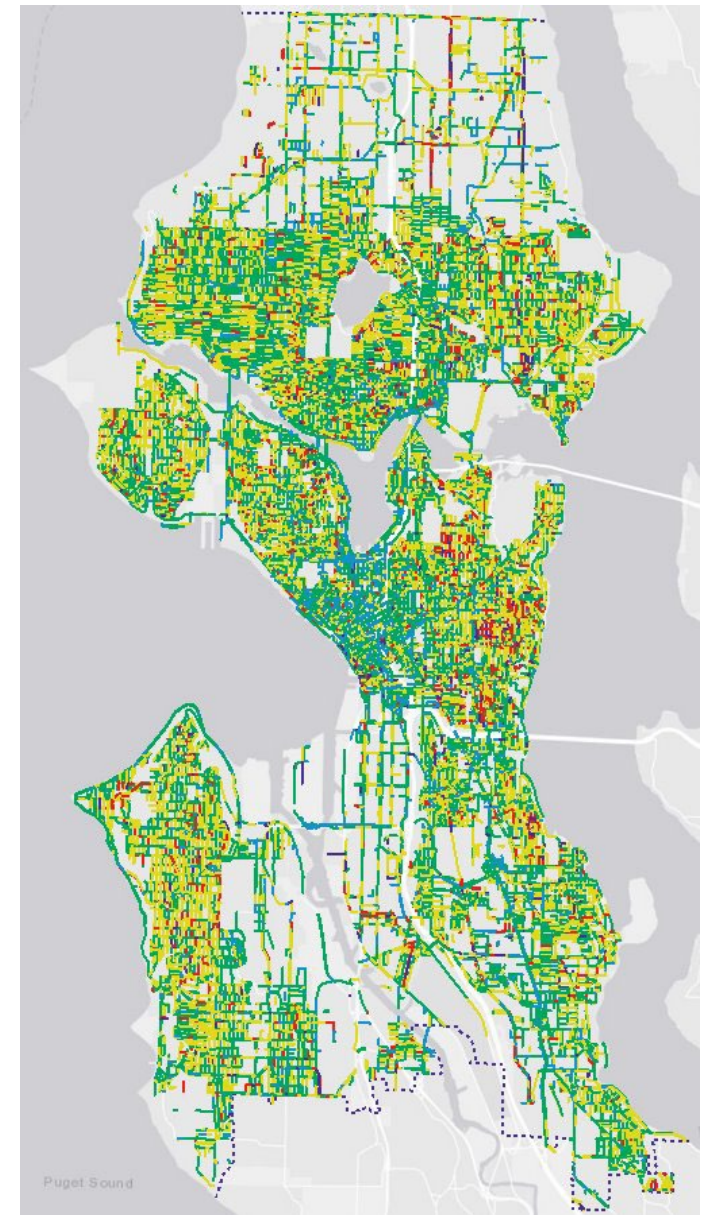
Existing Sidewalk Conditions

Seattle's Sidewalk Network

- Over 34,000 blocks of sidewalk
- 2,300 miles of sidewalk

2017 Sidewalk Assessment Findings

- 92,000 uplifts
- 38,000 surface conditions
- 20,000 obstructions
- 3,600 isolated cross slopes



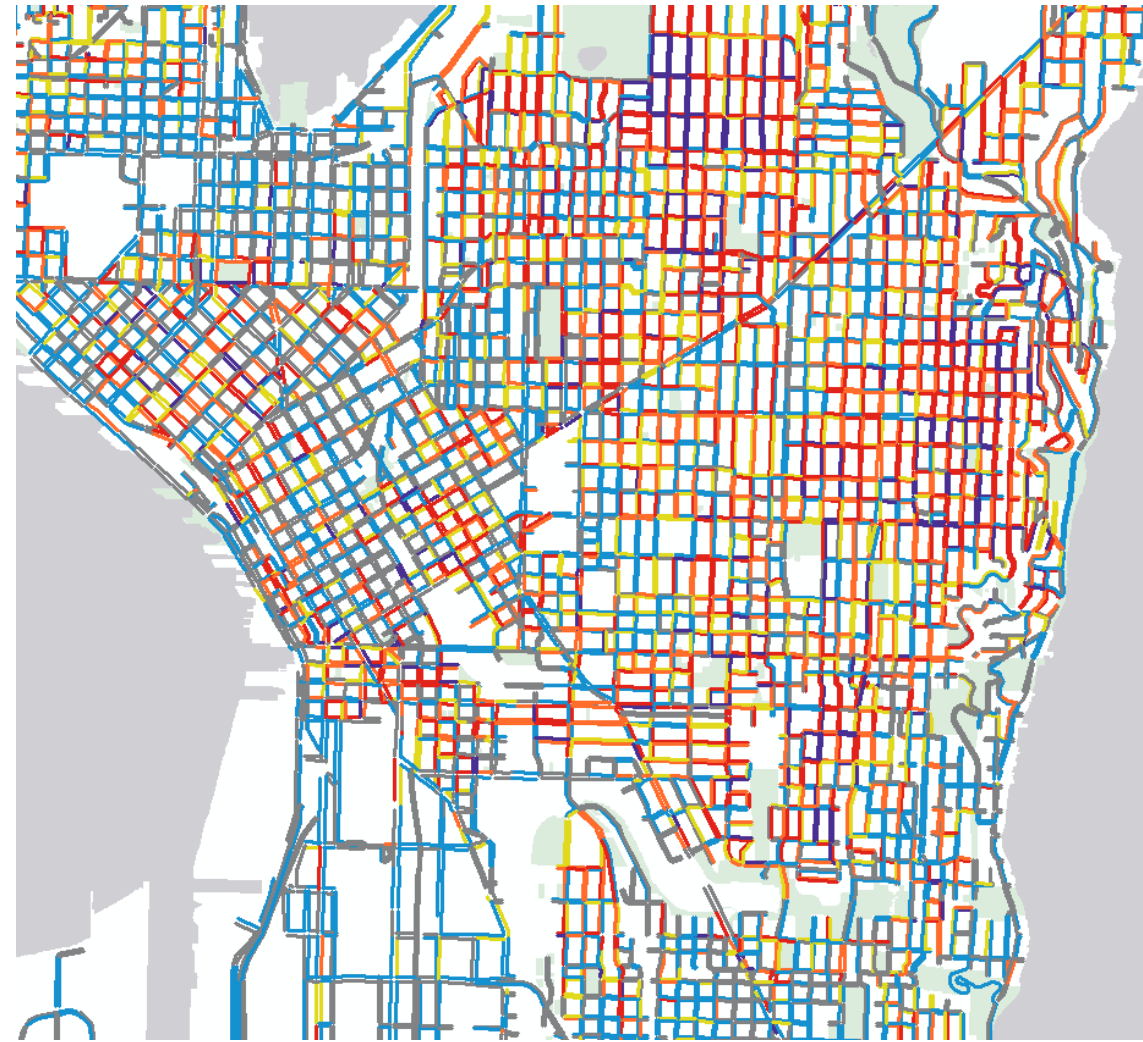
Repair Prioritization

Prioritization Model inputs:

- Safety
- Mobility Impairment
- Cost
- Usage (*distance to schools, government facilities, transit stops, medical facilities, etc.*)

Final Priority Score

- Severity of sidewalk observations (*uplifts, cracking, isolated cross slope, etc.*)
- Density of sidewalk observations (*more issues on a block face = higher prioritization score*)



Sidewalk repair prioritization map screenshot
Priority scale: Purple -> Red -> Orange -> Yellow -> Blue -> Grey

Repair Prioritization

Additional priority factors

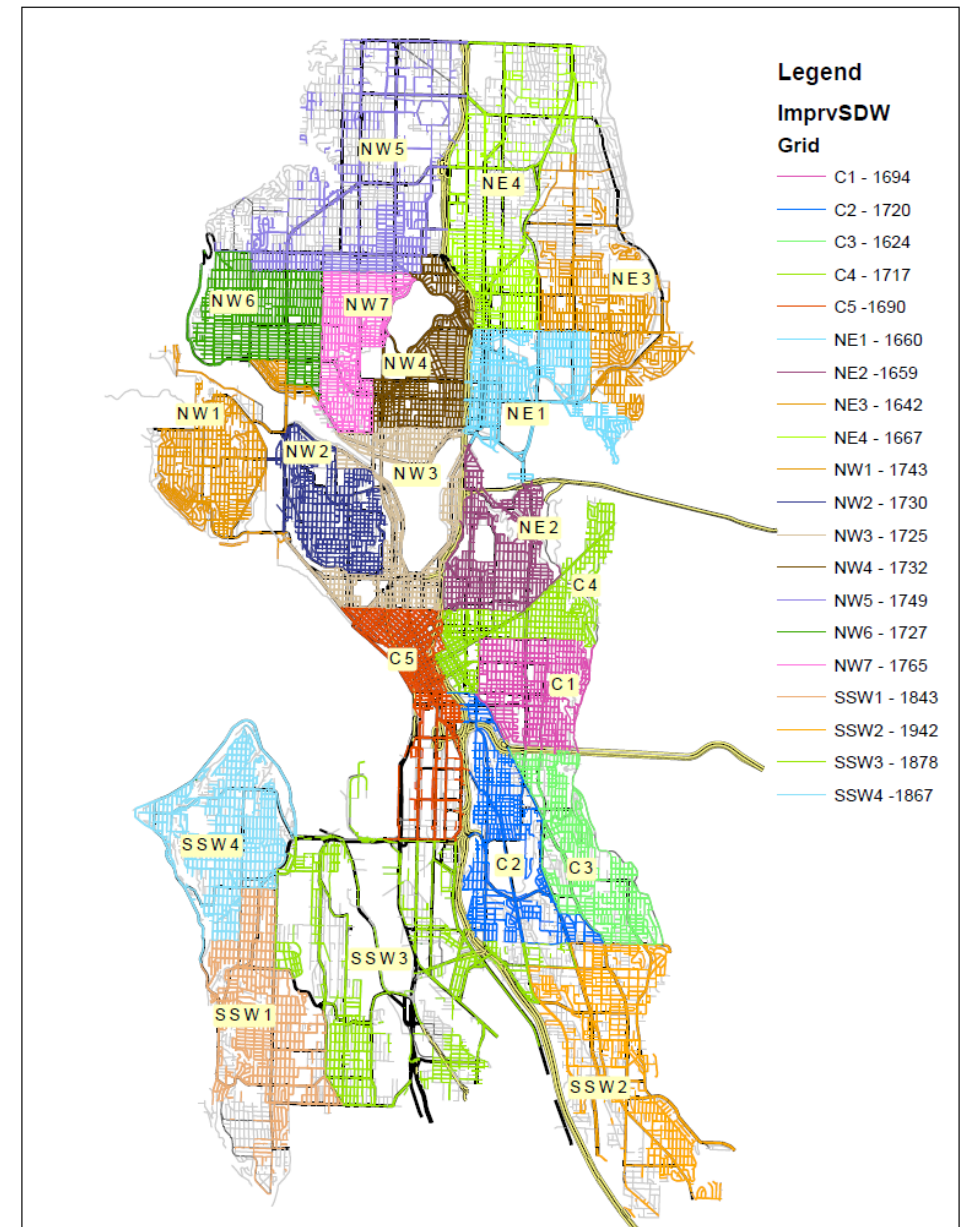
- Leveraging opportunities with other capital projects (e.g. roadway paving)
- Partnering with ADA ramp projects
- Geographic & social justice distribution
- Emergent repair needs or high complaint locations on a case-by-case basis



10th Ave E & E Prospect curb ramp project

Proactive Shims

In 2019, SSRP piloted a proactive grid approach to asphalt sidewalk shims for our Street Maintenance crews.

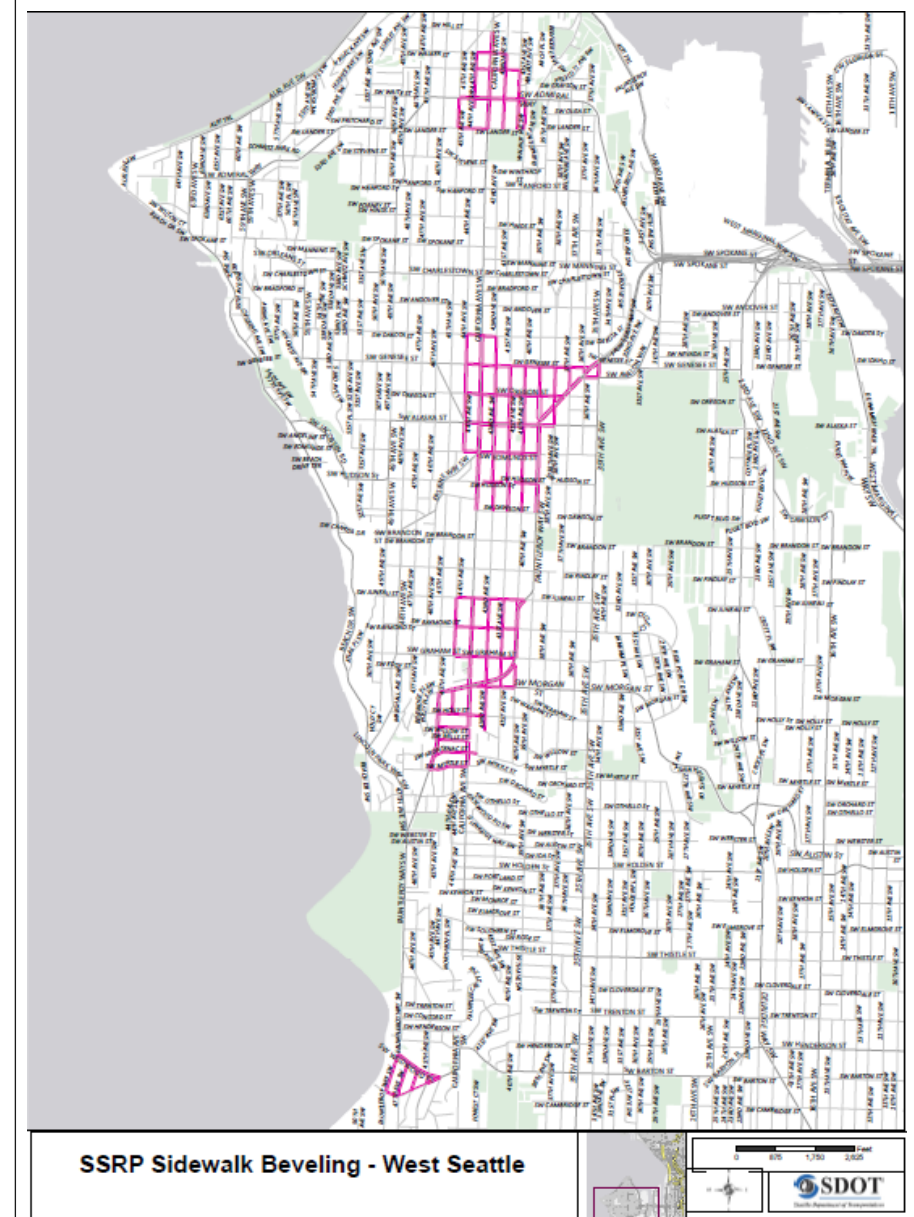


Proactive Bevels

2020 - 2024 Beveling in grids



Beveled sidewalks on Fauntleroy Way SW



2022 SSRP Work Plan

83 projects (\$3.6M)

CD1 (West Seattle, South Park) – 15 projects (\$900k)

CD 2 (SE Seattle, Georgetown) – 20 projects (\$770k)

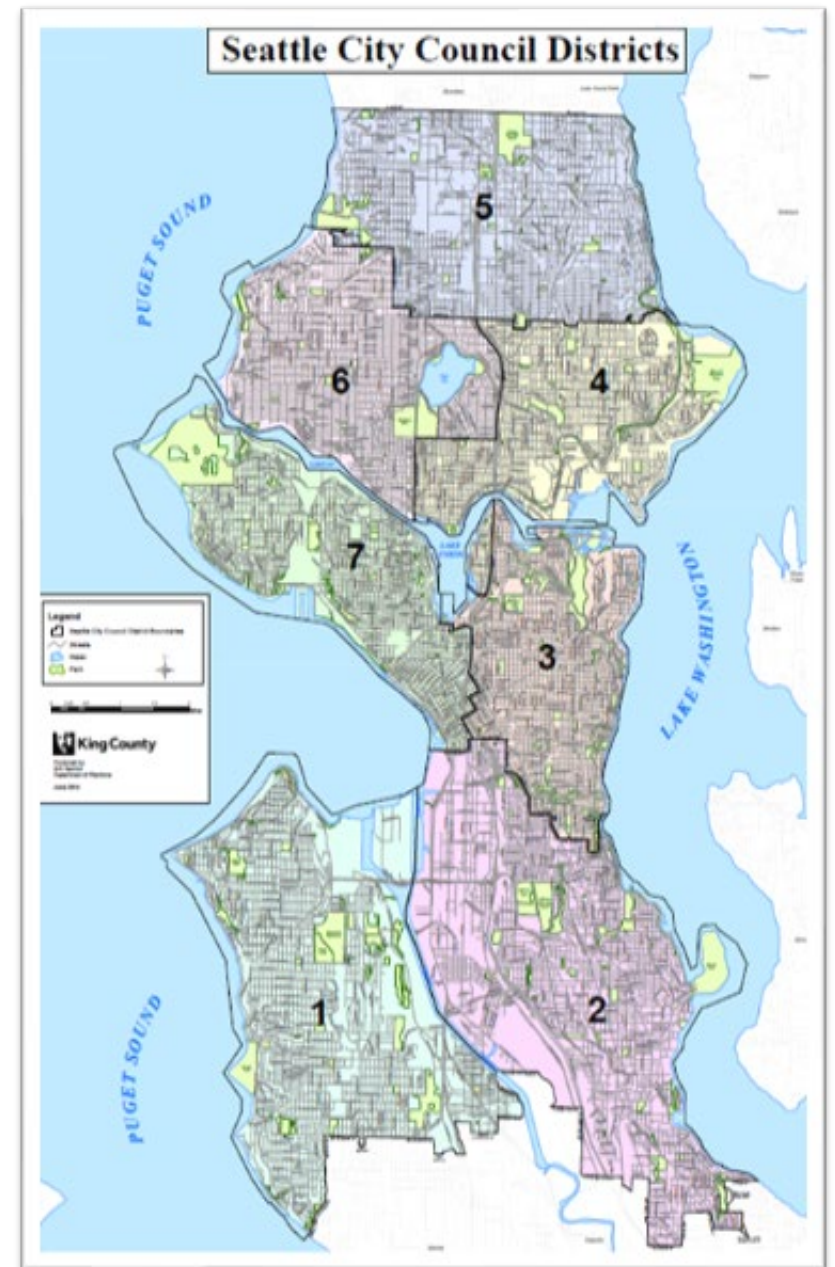
CD 3 (Central) – 20 projects (\$700k)

CD 4 (NE Seattle) – 3 projects (\$70k)

CD 5 (North Seattle) – 10 projects (\$500k)

CD 6 (Northwest Seattle) – 12 projects (\$520k)

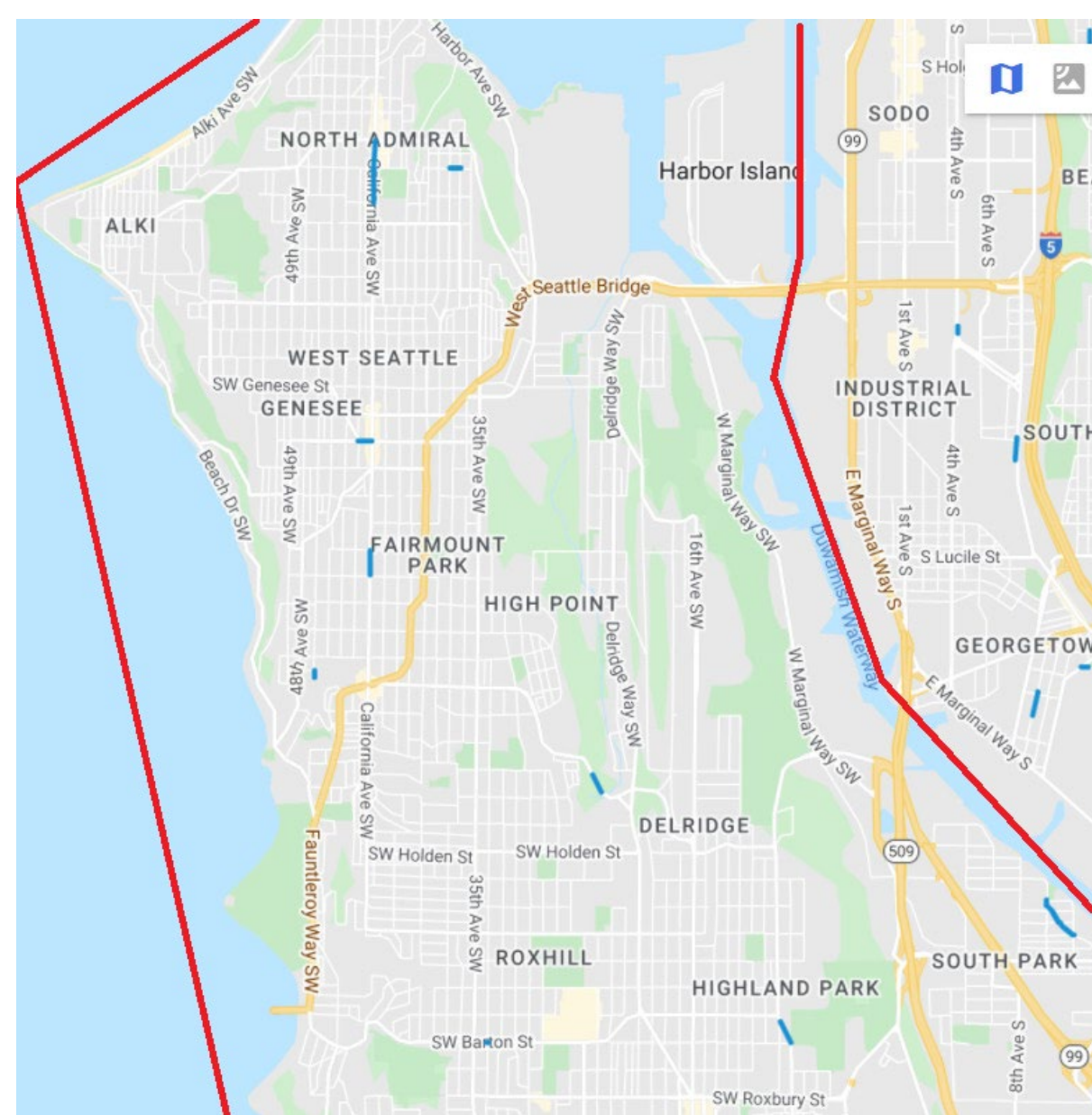
CD 7 (Pioneer Square to Magnolia) – 3 projects (\$160k)



Council District 1 (West Seattle, South Park)

15 projects (\$900k)

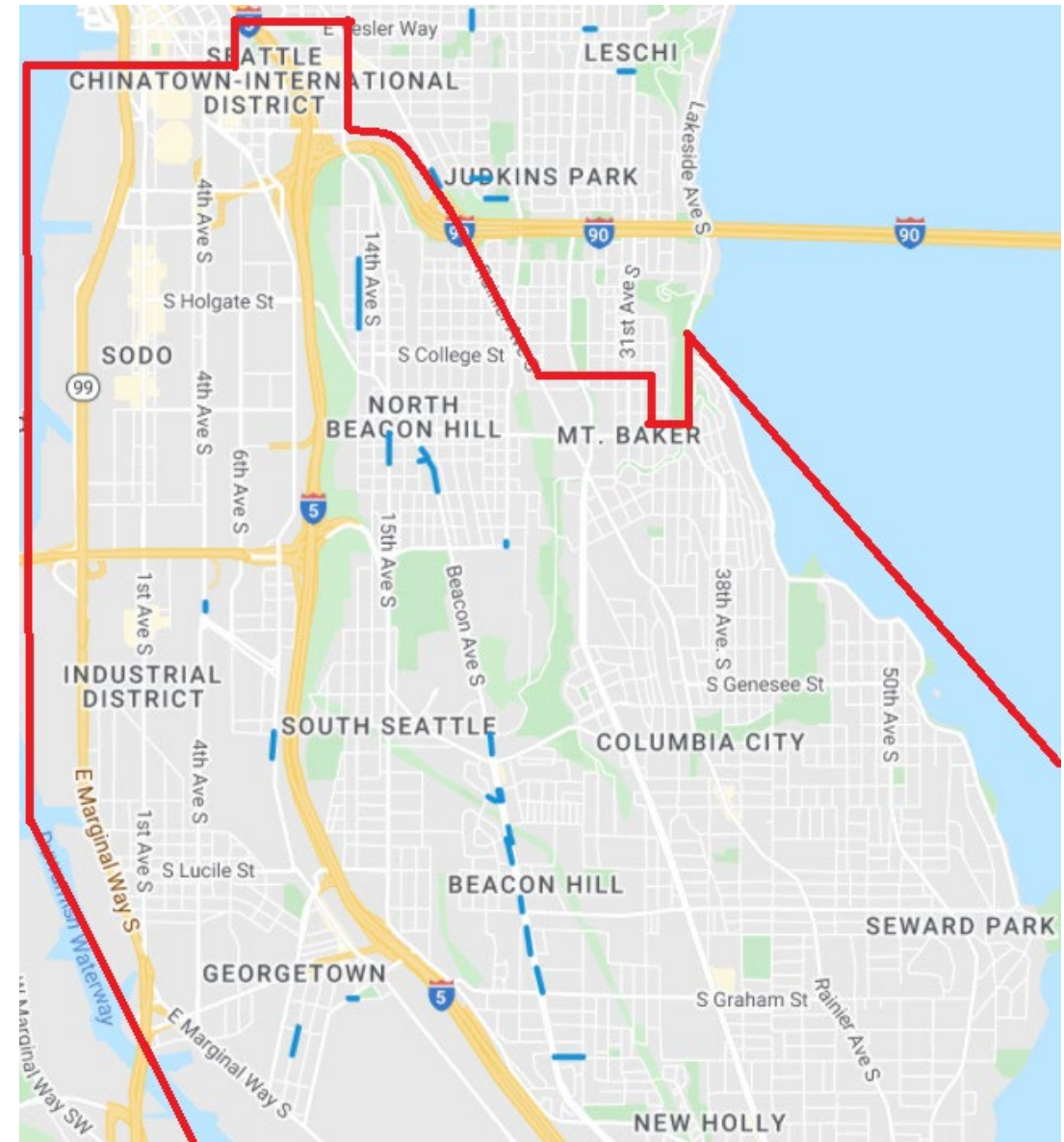
1. California Ave SW & SW Admiral Way
2. California Ave SW & SW Brandon St
3. SW Lander St & 37th Ave SW
4. Henderson Pl SW & 9th Ave SW
5. Dallas Ave S btwn 10th Ave S & 12th Ave S
6. 6420 47th Ave SW landslide



Council District 2 (SE Seattle, Georgetown)

20 projects (\$770k)

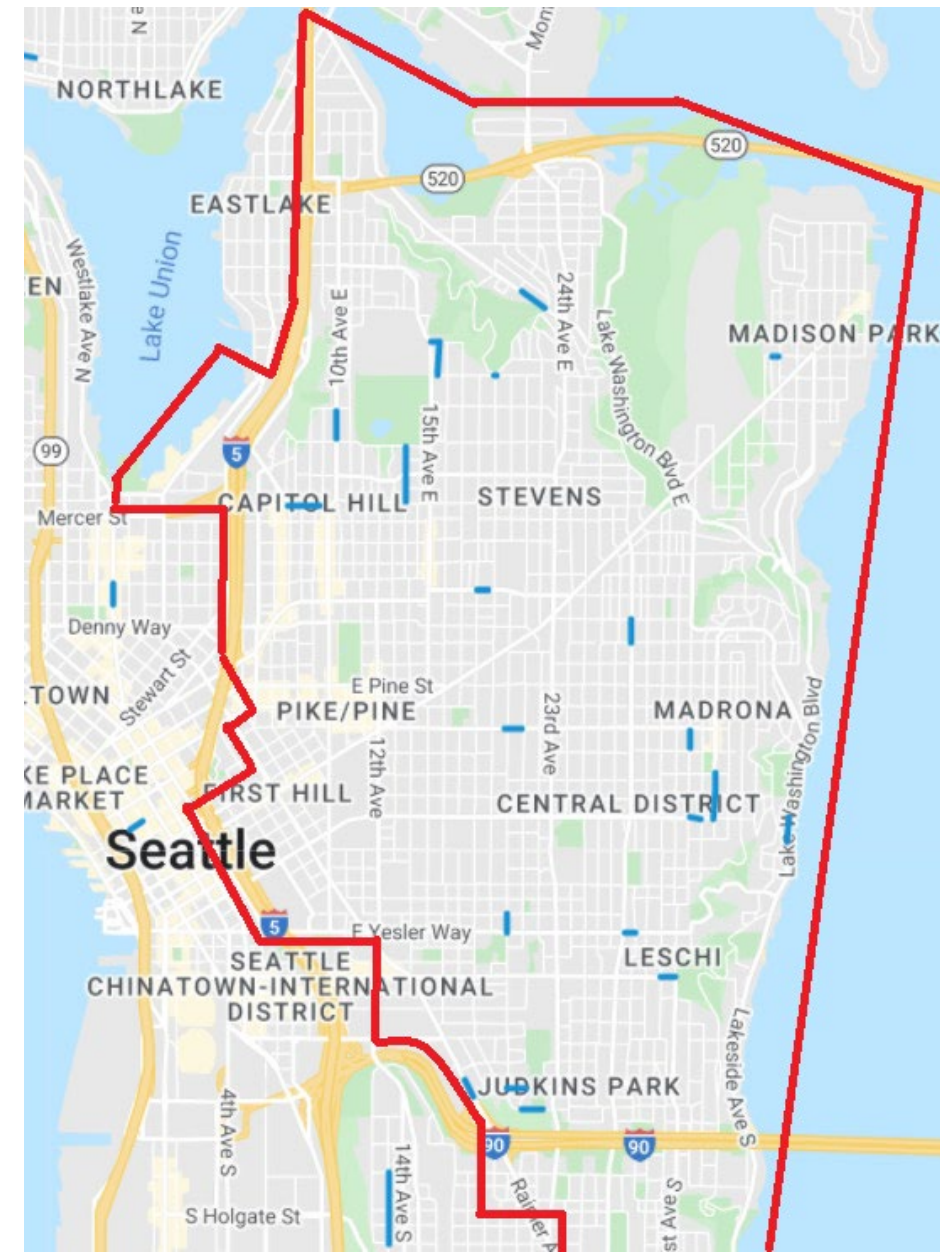
1. Beacon Ave S (various locations)
2. S Hardy St & S Albro Pl
3. 4810 Airport Way S
4. Rainier Ave S & S Chicago St
5. Hing Hay Park (S King St & Maynard Ave S)
6. Little Saigon (various locations)



Council District 3 (Central Seattle)

20 projects (\$700k)

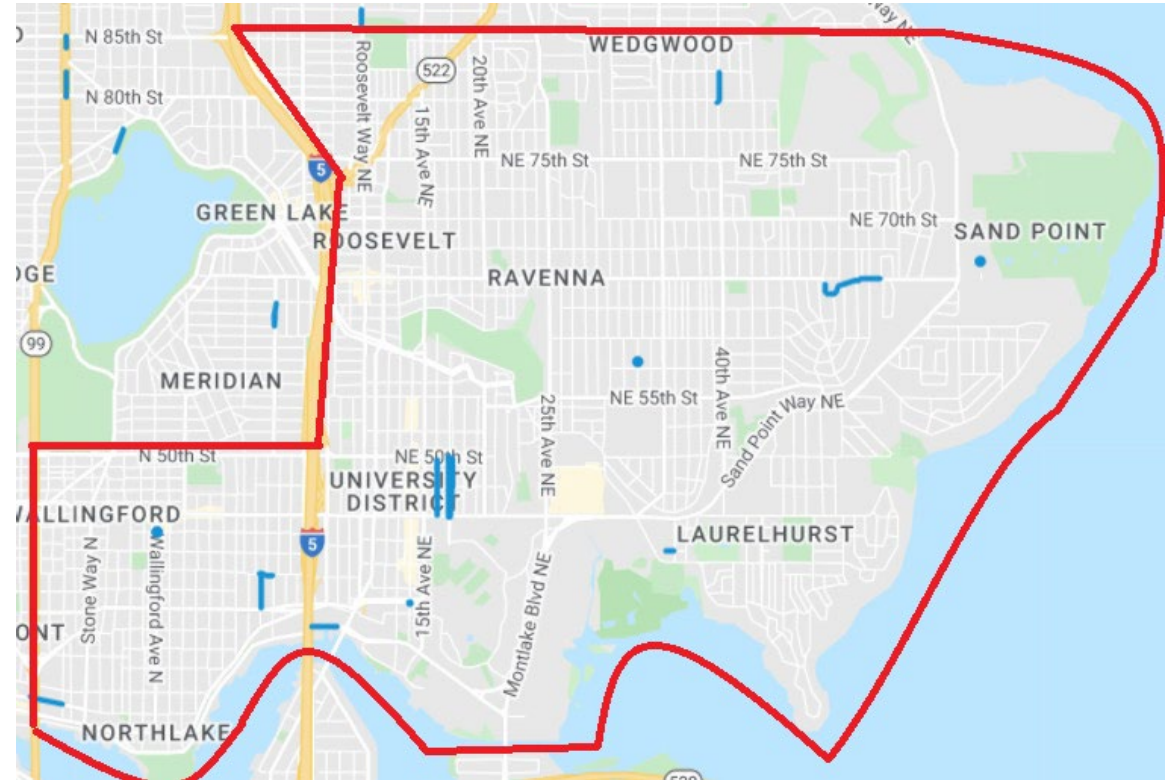
1. E Cherry St & 32nd Ave E
2. E Yesler Way & MLK Jr Way
3. S Judkins St & 21st Ave S
4. E Yesler Way & 20th Ave S
5. S Norman St & 20th Ave S
6. MLK Jr Way & E Denny Way
7. 34th Ave E & E Cherry St
8. S Jackson St & 30th Ave S
9. Rainier Ave S & 25th Ave S and ADA ramp
10. Rainier Ave S & S Bayview St ADA ramps



Council District 4 (Northeast Seattle)

3 projects (\$70k)

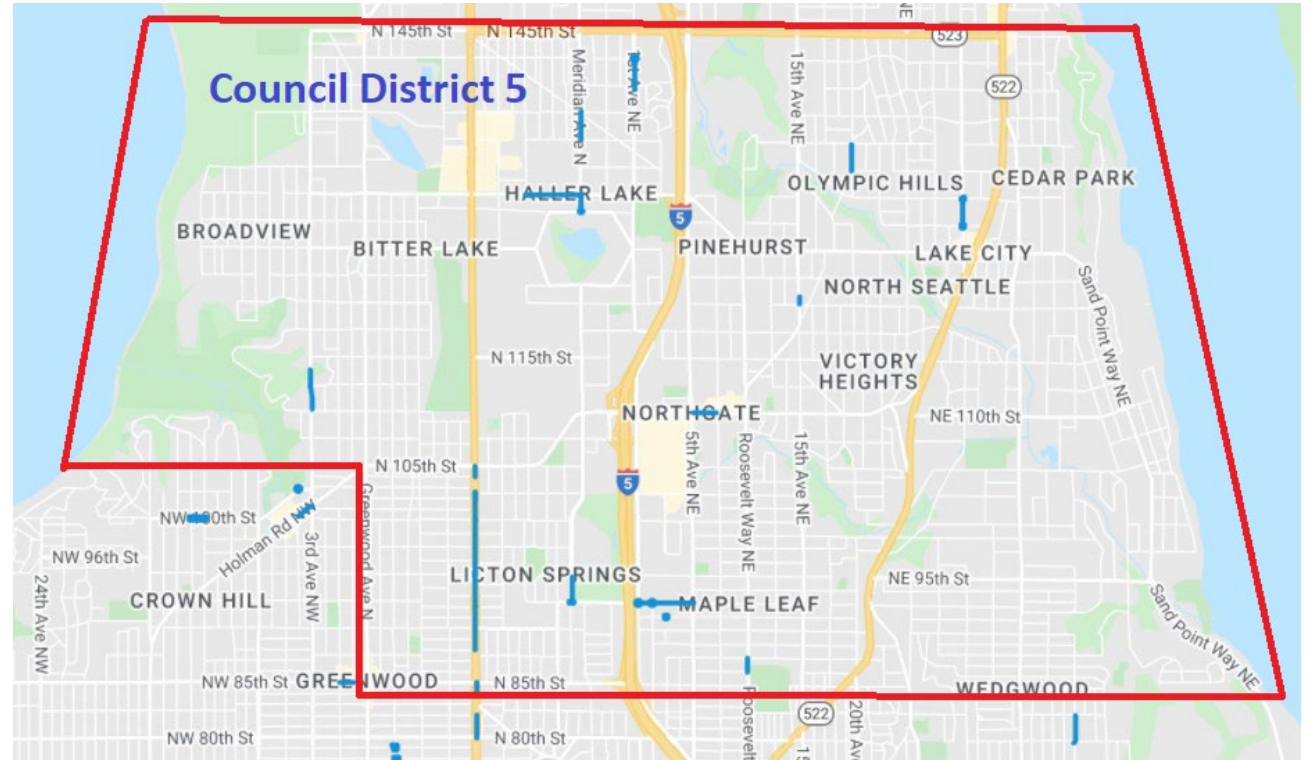
1. Wallingford Ave N & N 44th St
2. 36th Ave NE & NE 42nd St
3. Stone Way N & N 34th St (Ship Canal WQ)



Council District 5 (North Seattle)

10 projects (\$500k)

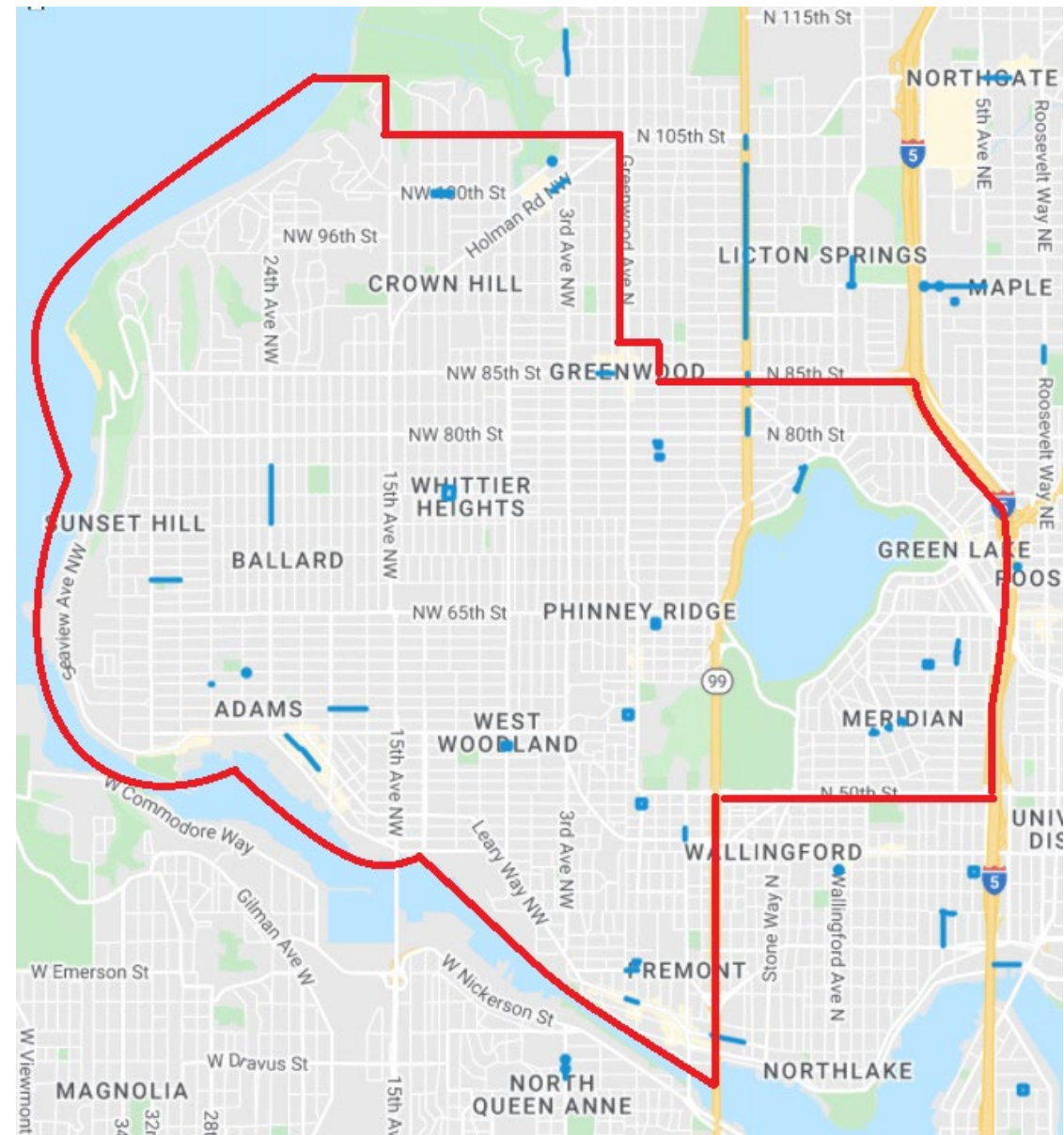
1. 8603 Roosevelt Way NE
2. 12026 15th Ave NE
3. College Way N & N 92nd St
4. NE Northgate Way between 5th Ave NE and 8th Ave NE
5. Aurora Ave N between N 85th St and N Northgate Way



Council District 6 (Northwest Seattle)

12 projects (\$520k)

1. Aurora Ave N between N 80th and N 85th St
2. Greenwood Ave N & N 36th St, Phinney Ave N
3. NW 57th St btwn 17th Ave NW and 20th Ave NW
4. Fremont Ave N & N 46th St
5. N 85th St & 1st Ave NW
6. NW 68th St & 30th Ave NW (Webster Park)
7. 24th Ave NW & NW 60th St (claim)
8. 15th Ave NW & NW 92nd St (Whitman MS)



Council District 7 (Pioneer Square to Magnolia)

3 projects (\$160k)

1. 6th Ave W & W Garfield St
2. Broad St & 5th Ave N (Space Needle)
3. Westlake Ave N & Thomas St



Questions?

jinny.green@seattle.gov | (206) 679-0169

stuart.vitagliano@seattle.gov | (206) 255-3066

www.seattle.gov/transportation/sidewalk-repair

Report Sidewalk Issues: 206-684-ROAD or use Find it, Fix It app

www.seattle.gov/transportation

