



DENVER
THE MILE HIGH CITY

Improving the Pedestrian Network

Denver's Two New Sidewalk Programs

LUTI Presentation

December 19, 2017

- Sidewalk Gap Program
- Neighborhood Sidewalk Repair Program



Mayor's Mobility Action Plan



PEDESTRIAN

- Improve safe pedestrian access and connectivity to schools, transit hubs, parks and other amenities by addressing challenges with the city's sidewalk network.
- Improve pedestrian crossings at intersections and appropriate mid-block locations with enhanced crosswalks, flashing beacons, signals, bulb-outs and other infrastructure. Ensure each location is equipped with visible signage and lighting to enhance safety and comfort.

Denver's Mobility Action Plan

Denver is ready to transform its transportation system.

30%

Commuters biking, walking or taking transit by 2030

80%

Reduction of emissions by 2050

Zero

Traffic Deaths by 2030

Strategic Goals



CHOICE

Providing more choices: Walk, Bike, Drive, Transit or Share



SAFETY

Improving safety through Vision Zero



CLIMATE & HEALTH

Expanding use of electric vehicles and charging stations



ACCESSIBILITY

Increasing technology to make your trip easier and faster



Denver Moves: Pedestrians Goals

Accessibility

A pedestrian system with a complete network of well-maintained, ADA-compliant sidewalks, walkways and crossings for users of all abilities.

Connectivity

A complete sidewalk network without gaps and with frequent pedestrian crossings across barriers.

Destination Access

A complete pedestrian network with sidewalks and crossings that are up to standards and provide direct access to key destinations : grocery stores, parks, schools, rail stations and bus stops.

Equity

A complete pedestrian network with sidewalks and crossings up to standards and without gaps within low-income areas.

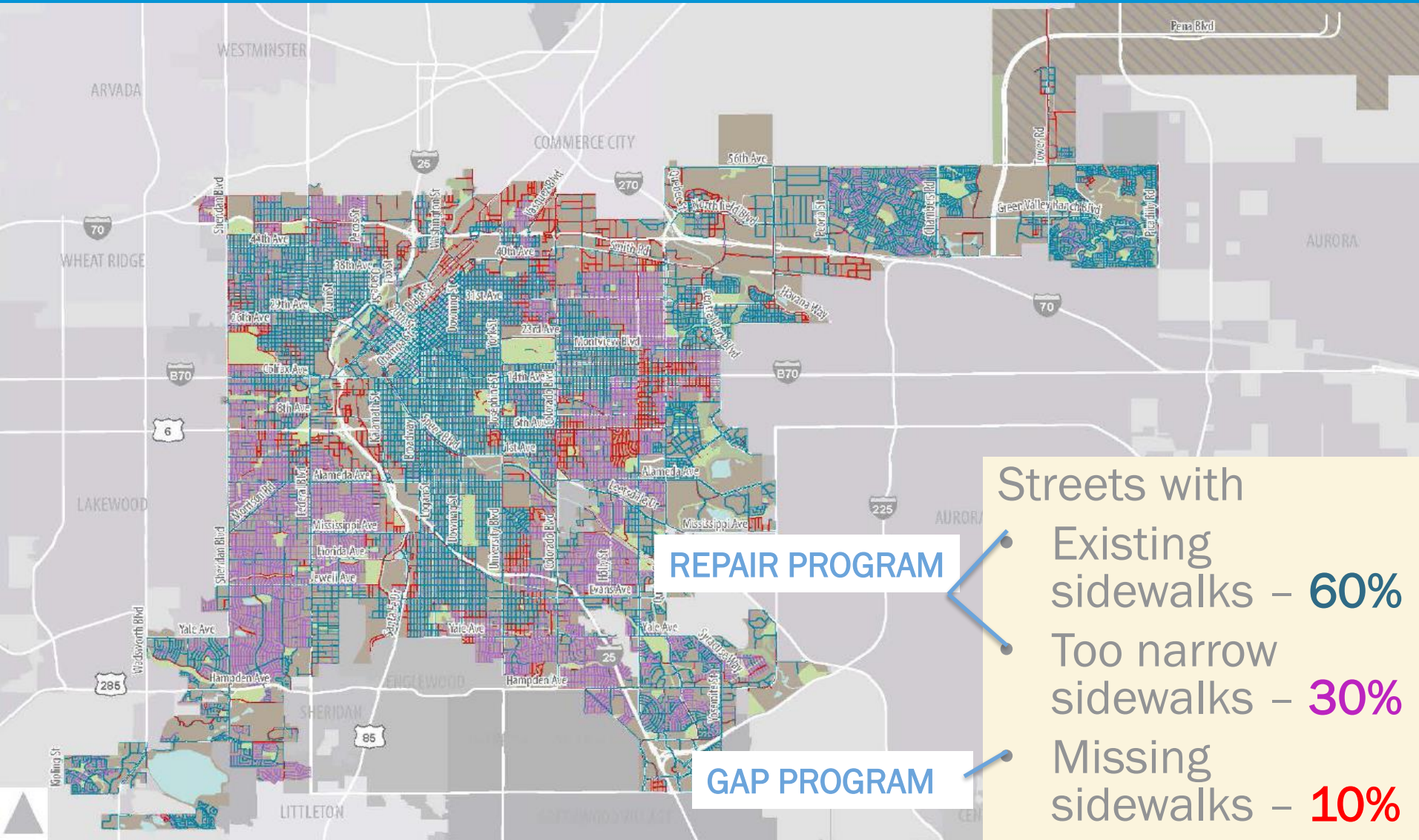
Health

A complete pedestrian network with sidewalks and crossings up to standards and without gaps within areas of health concern.

Safety

A safe network of pedestrian facilities that enables walking as a comfortable transportation mode and designed to reduce or eliminate crashes involving pedestrians

State of Denver's Sidewalks



REPAIR PROGRAM

GAP PROGRAM

- Streets with
- Existing sidewalks – 60%
 - Too narrow sidewalks – 30%
 - Missing sidewalks – 10%

- How will they roll out?
- How do they differ?
- What should residents expect?



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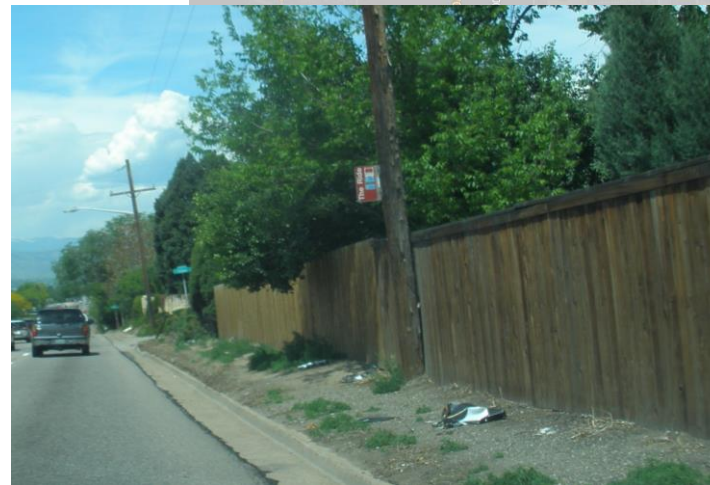
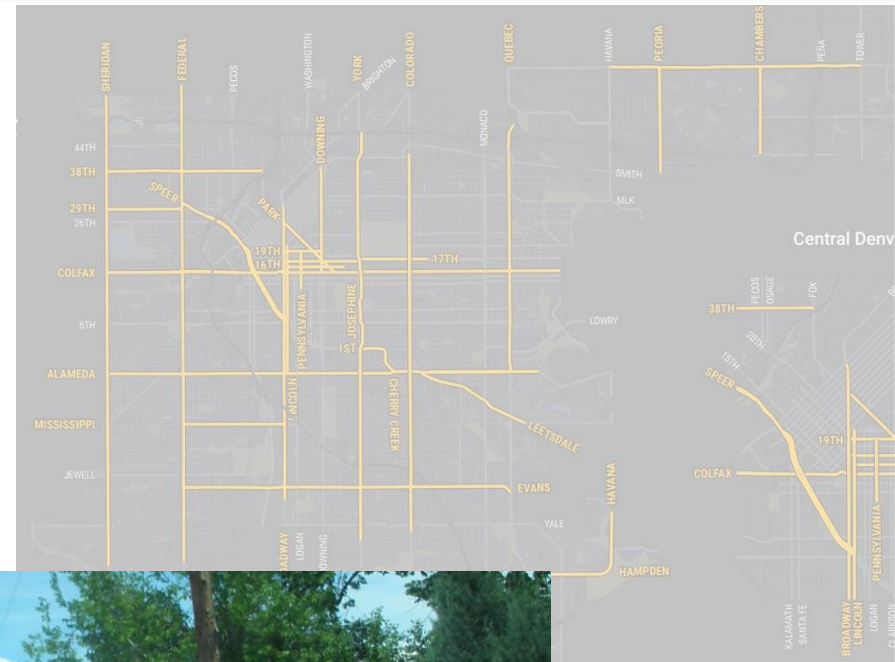
Citywide Sidewalk **Gap** Program

Sidewalk Gap Program: Purpose

- Build sidewalks where currently missing
- Available funding:
 - 2017 budget: \$2.5M
 - 2018 budget: \$1.5M
 - 2018 budget: \$500K Safe Routes to Schools
 - GOBond: \$47.7M, with \$17M earmarked for the Globeville, Elyria, and Swansea neighborhoods
- Prioritization for remaining \$30M based on criteria established in Denver Moves: Pedestrians and Trails.

Sidewalk Gap Program: Prioritization

- Improving access to transit
- High injury network
- Access to schools, parks, grocery stores
- Areas with low income and high rates of childhood obesity



What is happening with the gap program in 2018?

- Continuing to work on construction of sidewalks along city owned property
- Developing the sidewalk gap bond program and first locations/timing



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Neighborhood Sidewalk **Repair Program**

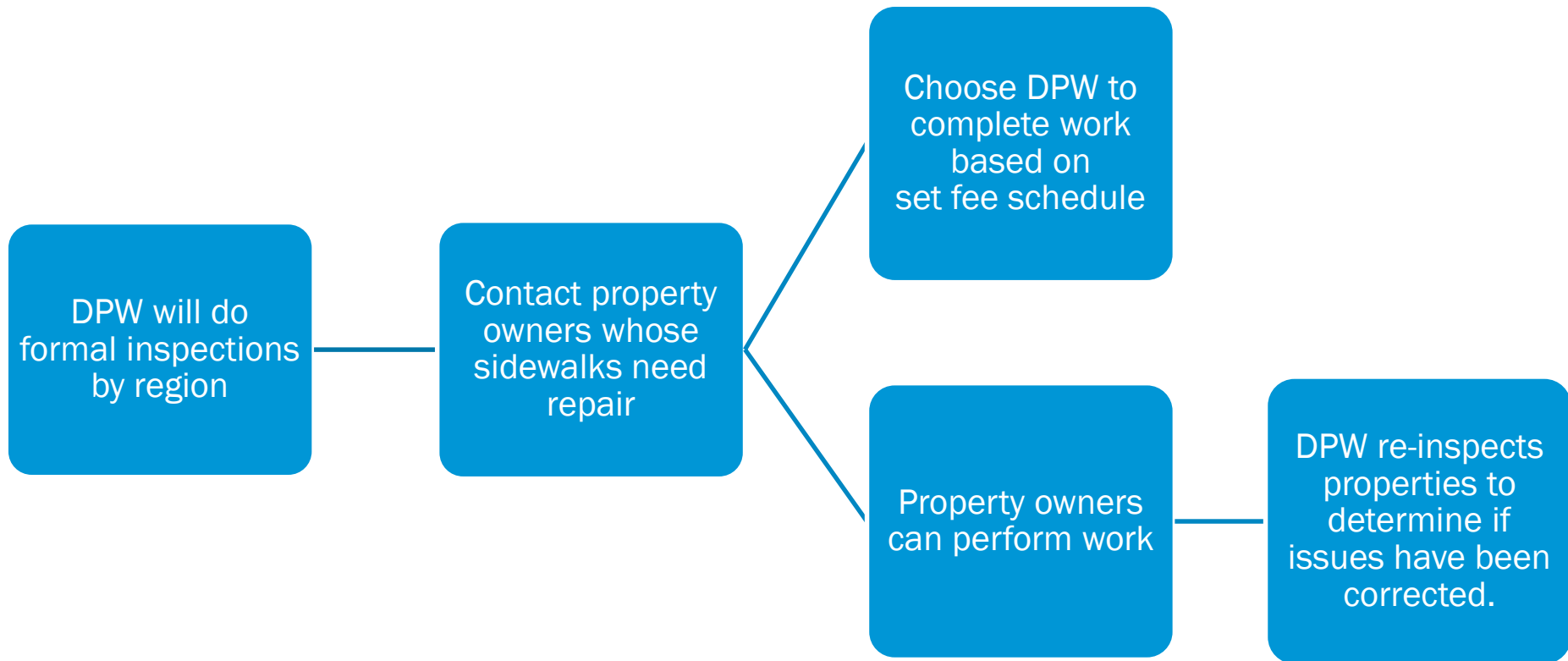
Sidewalk Repair Program: Purpose and Benefit

- To address damaged, sloping, and uneven sidewalks for a more accessible network of sidewalks citywide
 - This does NOT include increasing the width of the sidewalk
- Development of a systematic way to identify and address sidewalks in need of repair
- Assistance to homeowners who cannot afford the full cost of repairs

Sidewalk Repair Program Responsibilities and Roles

- Per city ordinance, Denver property owners are responsible for the repair and maintenance of sidewalks adjacent to their properties.
- To help with the repairs, the City will offer extended repayment assistance and affordability discounts for those who qualify.
- The City is *also* authorizing less expensive repair methods not currently allowed.
- Property owners still perform sidewalk maintenance such as snow removal.

Sidewalk Repair Program: Process

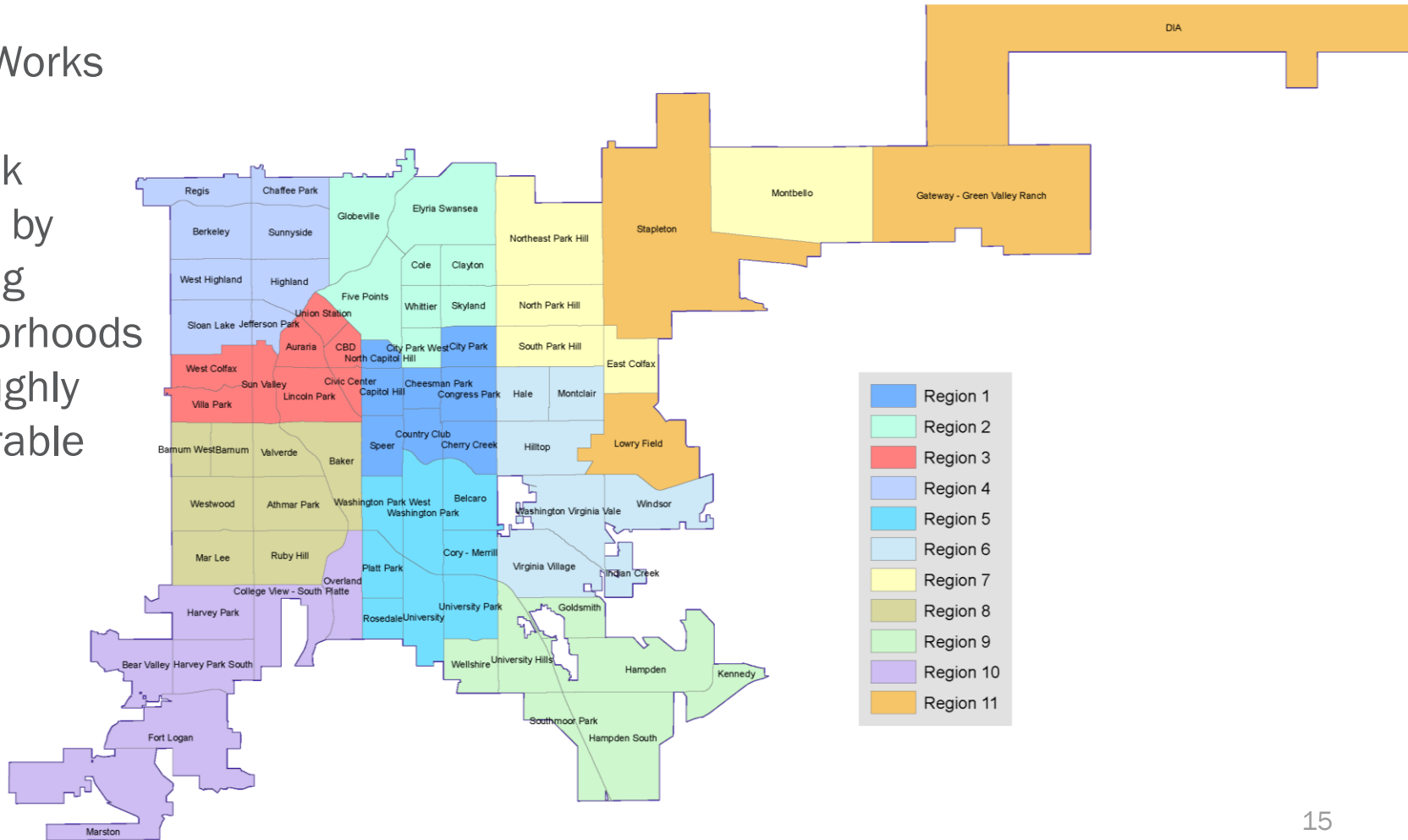


If not, DPW repairs and bills property owner based on fee schedule

Sidewalk Repair Program: Regions

Public Works created sidewalk *regions* by grouping neighborhoods into roughly comparable areas.

Sidewalk Repair Inspection Regions



Sidewalk Repair Program: Options

Patching repairs gaps, cracks, & holes by filling with a patching material such as grout or epoxy.



\$30-\$50
per panel

Mud jacking repairs tilted slabs by injecting slurry through a drilled hole to re-level the grade of the walk.



\$75-\$100
per panel

Less Expensive

More Expensive



\$50-\$100
per panel

Grinding/shaving repairs uneven sidewalks by removing a portion of the elevated slab.

\$200-\$400
per panel



Partial or full replacement re-pours damaged sidewalk blocks or all sidewalk blocks.

- Property owners will receive information on their options for replacing flagstone
- Property owners can opt to pay the city to replace damaged flagstone sidewalks with colored concrete.

Sidewalk Repair Options

- Property owner can make his own sidewalk repairs, using established guidelines.
- Property owner can hire his own contractor to make repairs.
- Property owner can choose to have Denver Public Works do the repairs.
 - Grinding and mudjacking likely to be performed by a city crew.
 - Partial/full replacement of sidewalks will likely be performed by a city contractor.
- People utilizing an assistance program must use the City or its contractor.

Repayment/Discount Based on Household AMI

Extended Repayment

- 150% AMI or below (signed affidavit)
- Administered through Revolving Fund
- 3-year repayment term
- 1% annual interest rate
- Only available to homeowners
- First payment due 1 year after work is done

Affordability Discount

- 50% AMI or below: repairs are free
- 50% to 100% AMI: discount between 75%- 25%
- Eligibility determined by signed affidavit
- 3-year repayment term for non-discounted portion of cost if needed

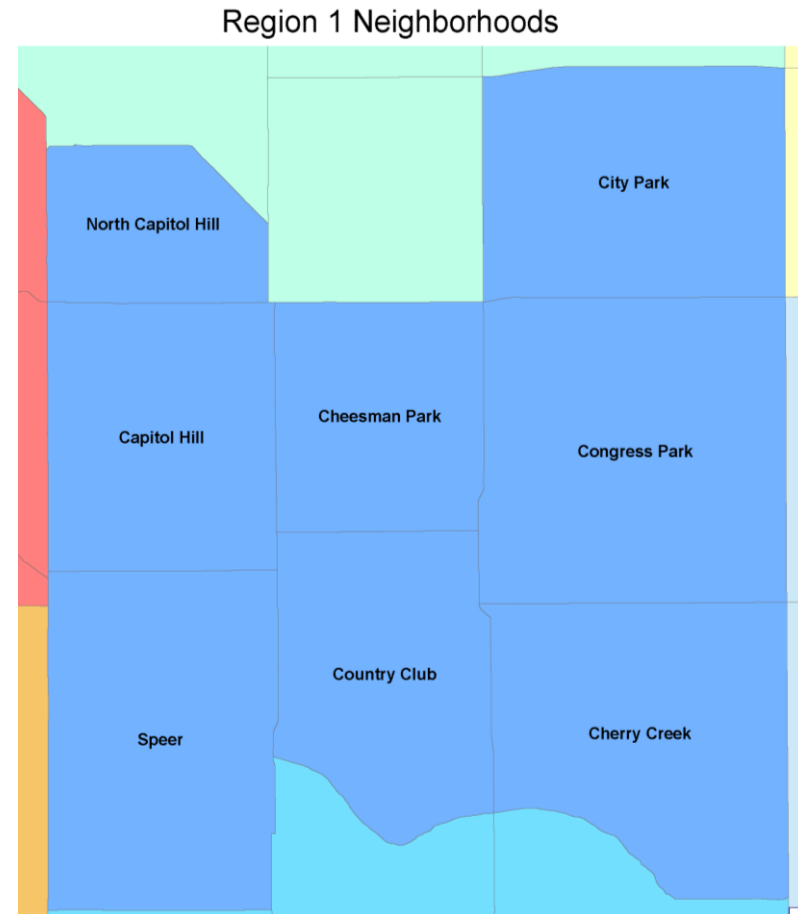
Summary of Discount/Extended Repayment Income Limits (2017)

% AMI	HOUSEHOLD SIZE						AMI Range	Discount	Extended Repayment
	1 Person	2 Persons	3 Persons	4 Persons	5 Persons	6 Persons			
							< 50%	100%	Not Applicable
50%	\$29,400	\$33,600	\$37,800	\$41,950	\$45,350	\$48,700	50% to 65%	75%	Up to 3 years
65%	\$36,465	\$41,665	\$46,865	\$52,065	\$56,290	\$60,450	65% to 80%	50%	Up to 3 years
80%	\$47,000	\$53,700	\$60,400	\$67,100	\$72,500	\$77,850	80% to 100%	25%	Up to 3 years
100%	\$58,800	\$67,200	\$75,600	\$83,900	\$90,700	\$97,400	100% to 150%	0%	Up to 3 years
150%	\$88,200	\$100,800	\$113,400	\$125,850	\$136,050	\$146,100	> 150%	0%	Not Available

Area Median Income (AMI) levels are subject to change from year-to-year.

Sidewalk Repair Program: Next Steps

- Winter – Property Owner Awareness
- Spring – Sidewalk Inspections Begin
- Summer/Fall – Construction
- Program repeats subsequent year in next prioritized sidewalk region and may be adjusted as needed.



Questions?

www.denvergov.org/sidewalks

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