



**DENVER**  
THE MILE HIGH CITY

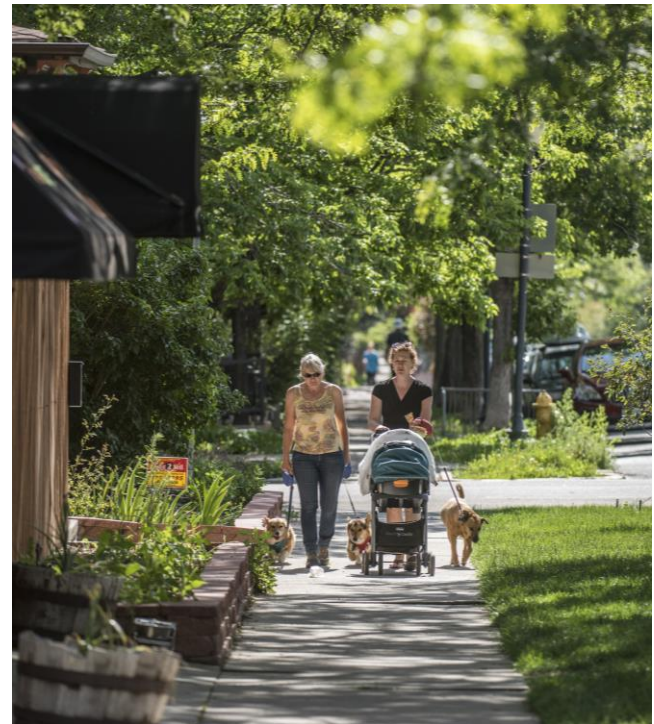
# **Improving the Pedestrian Network**

## 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

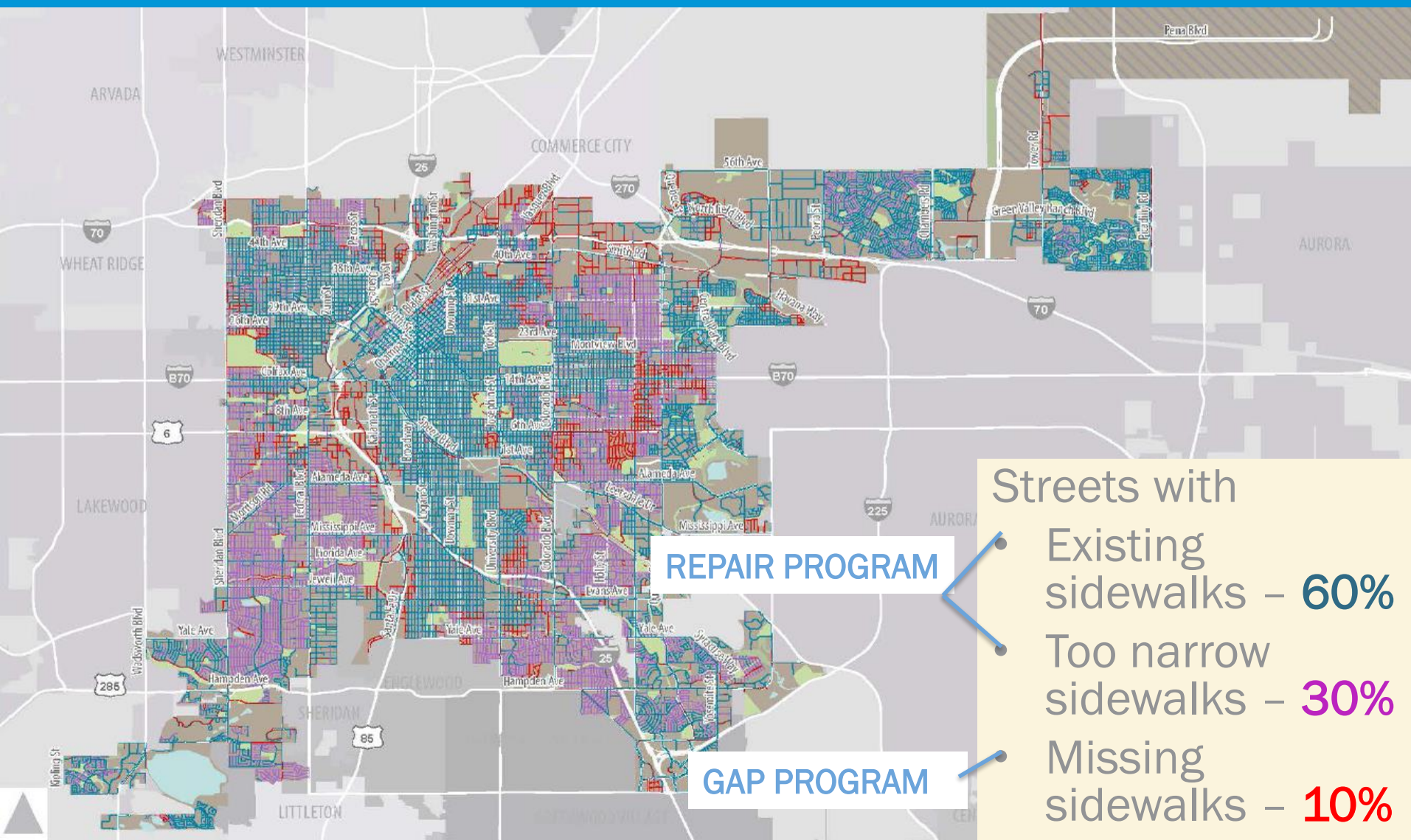
*A complete pedestrian network with sidewalks and crossings up to standards and without gaps within areas of health concern.*

## 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



# Denver's New Sidewalk Programs

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



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# **Citywide Sidewalk Gap Program**

# Sidewalk Gap Program:

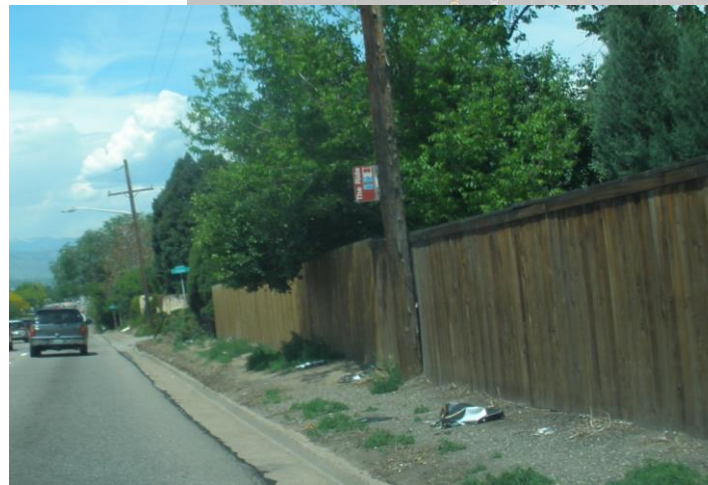
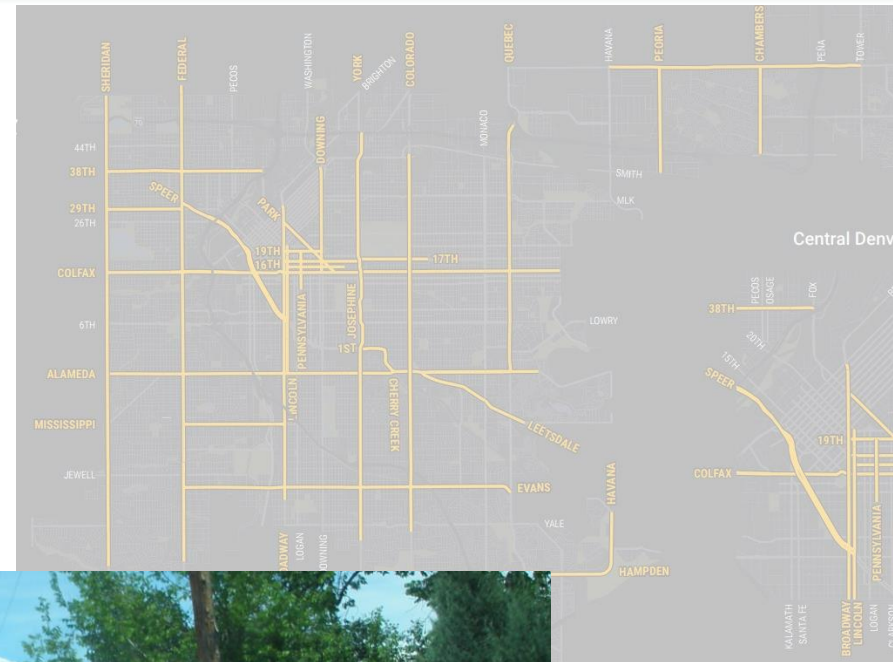
## Purpose

- 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



# Sidewalk Gap Program: Next Steps

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

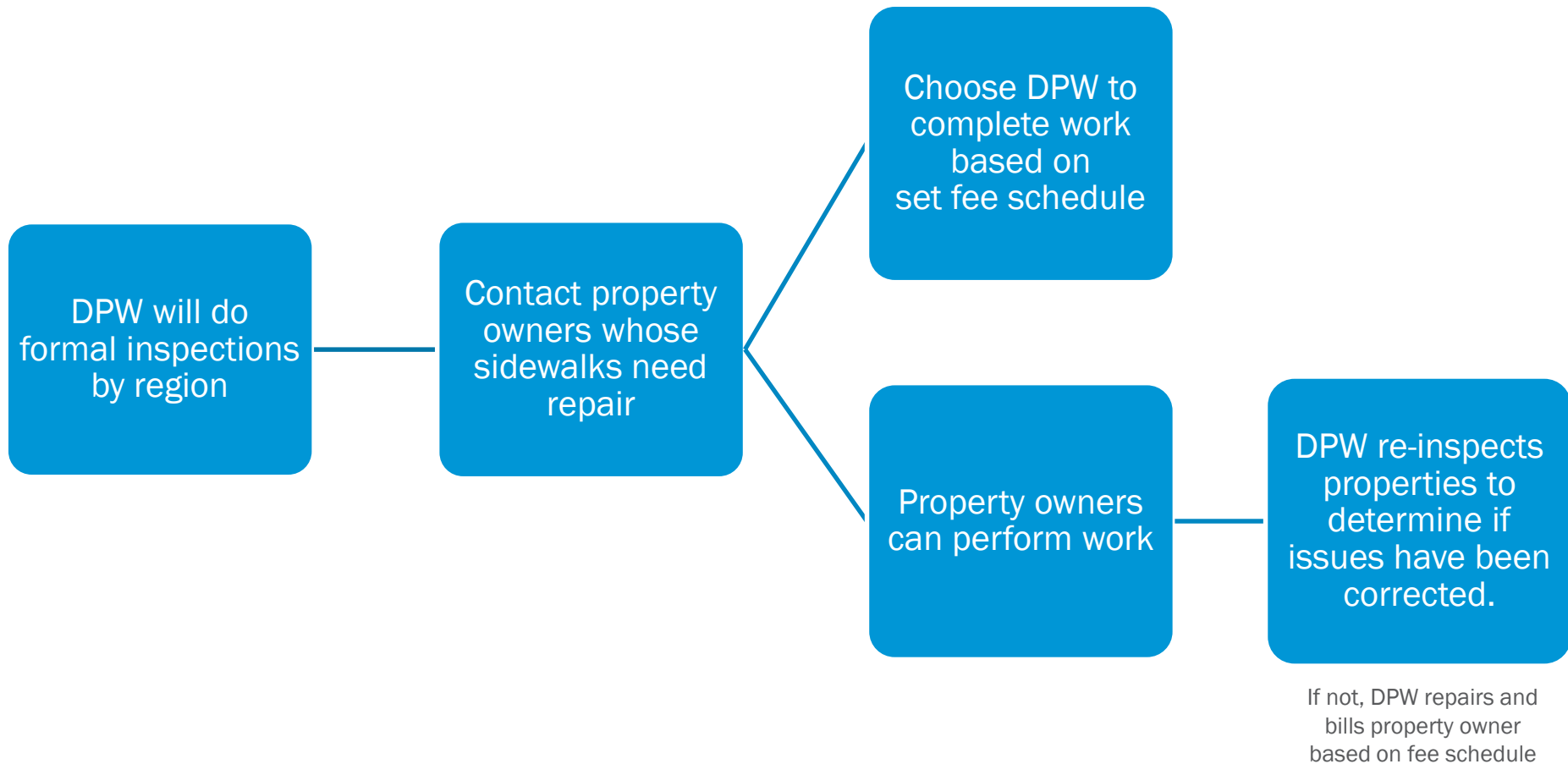
- To address damaged, sloping, and uneven sidewalks for a more accessible network of sidewalks citywide
  - This does NOT include increasing the width of the sidewalk
- Development of a systematic way to identify and address sidewalks in need of repair
- Assistance to homeowners who cannot afford the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



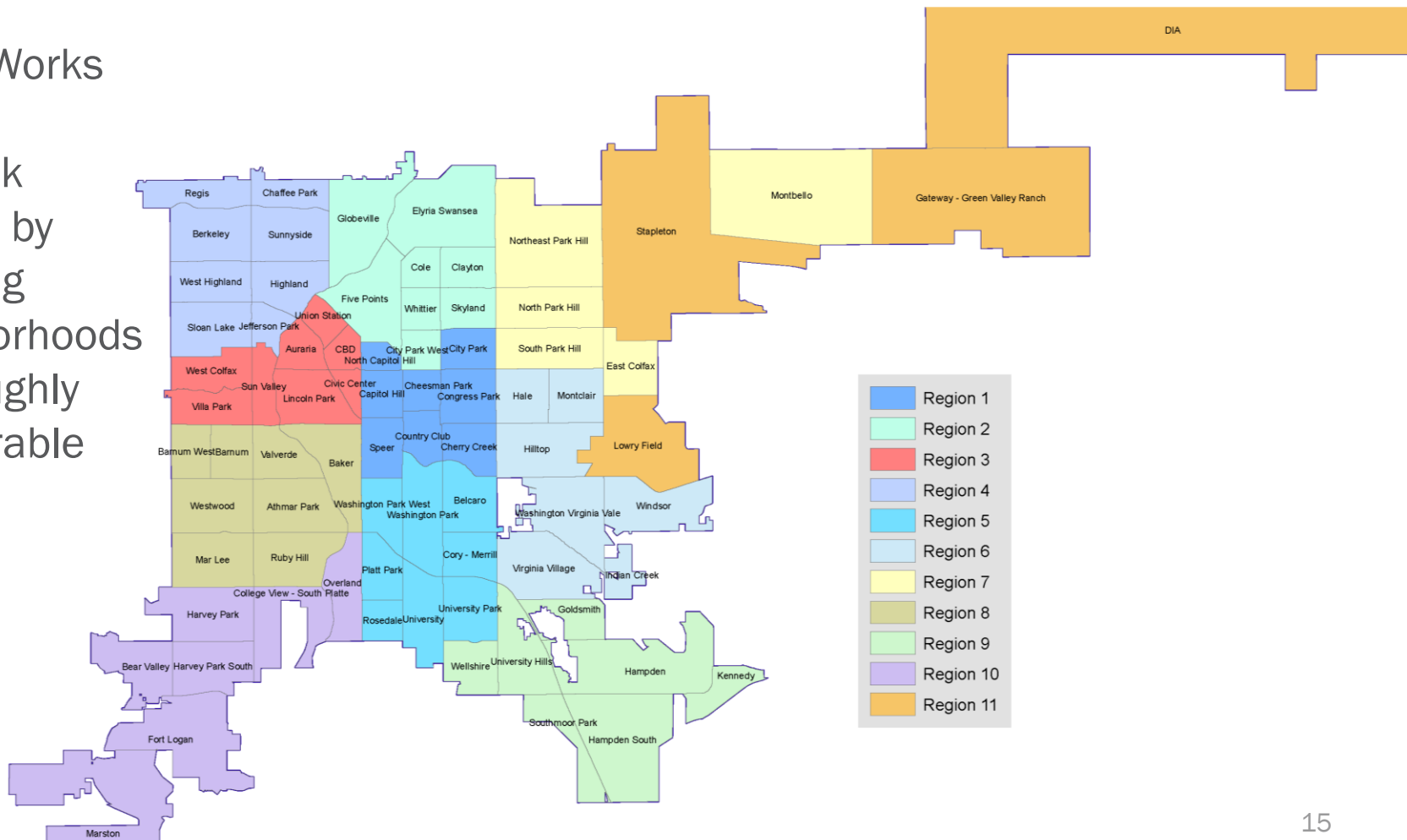
# Sidewalk Repair Program: Process



# 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.

# Flagstone Sidewalks

- 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

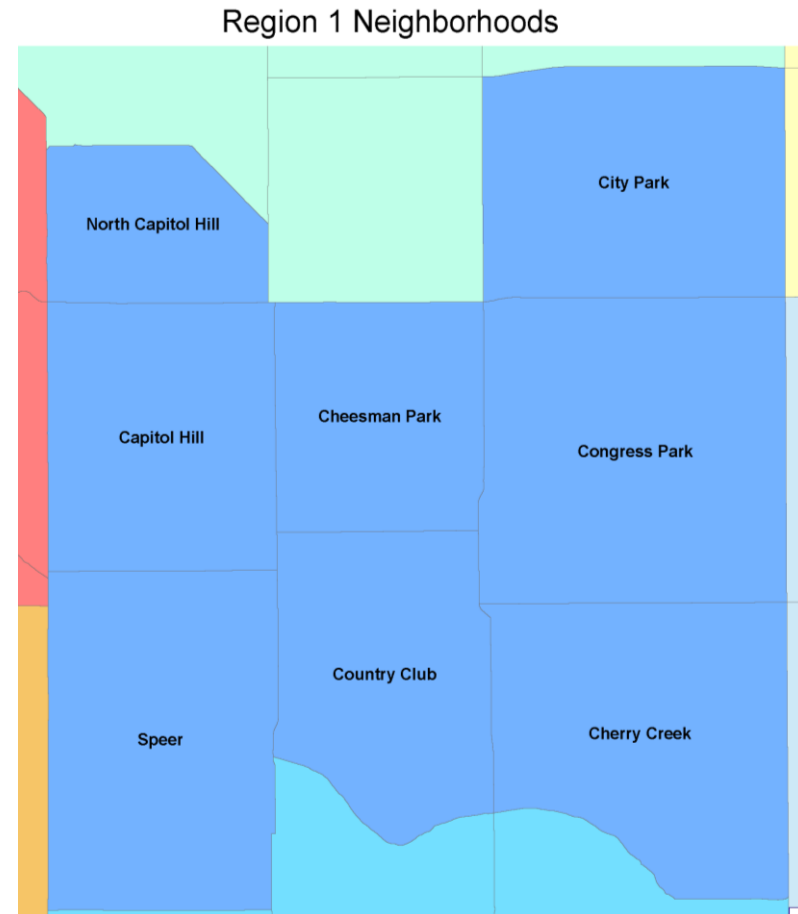
## Summary of Discount/Extended Repayment Income Limits (2017)

% 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.



# Denver's Sidewalk Programs

Questions?

[www.denvergov.org/sidewalks](http://www.denvergov.org/sidewalks)

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