

# **City of San Antonio Sidewalk Program Transportation Committee February 19, 2018**



**Anthony Chukwudolue, P.E., Assistant Director**

# Events Leading To Today

Innovation





# Innovation

## Pre-Cast Pilot Projects

Project	Construction Start	Construction End
La Manda	May 2016	February 2017
Tiffany	January 2018	May 2018

## Increasing Knowledge Base

- January 22 - 24 Annual World of Concrete Conference
- January 26 Annual American Council of Engineering Companies/Professional Engineers in Private Practice (ACEC/PEPP) Seminar
- February 12 Sidewalk Summit

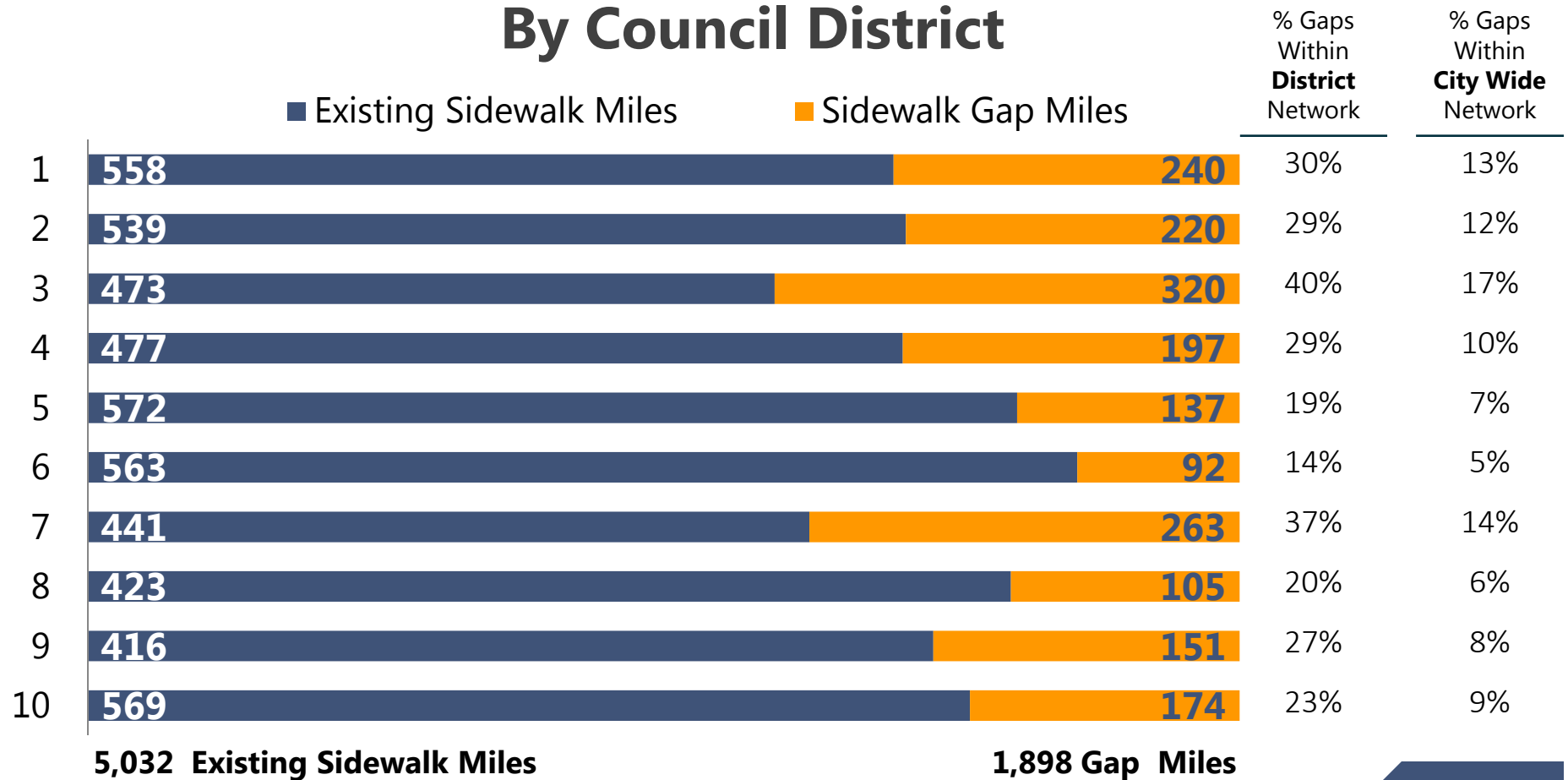


The background of the slide features a photograph of a concrete sidewalk running diagonally from the bottom left towards the top right, bordered by green grass on the right side. The image is overlaid with several geometric shapes: a large grey rectangle in the top left, a dark blue trapezoidal shape on the left side containing the title, and an orange arrow-shaped graphic pointing left at the bottom right.

# Sidewalk Inventory

Existing Sidewalks & Gaps

# Existing Sidewalks & Gaps (Miles) By Council District



The background of the slide features a photograph of a concrete sidewalk and green grass. The image is partially obscured by large, semi-transparent geometric shapes: a dark grey rectangle in the top left, a dark blue trapezoid on the left side, and an orange trapezoid in the bottom right corner.

# Sidewalk Delivery

Program Overview, Current Construction  
& Innovation

# Sidewalks

## Goal

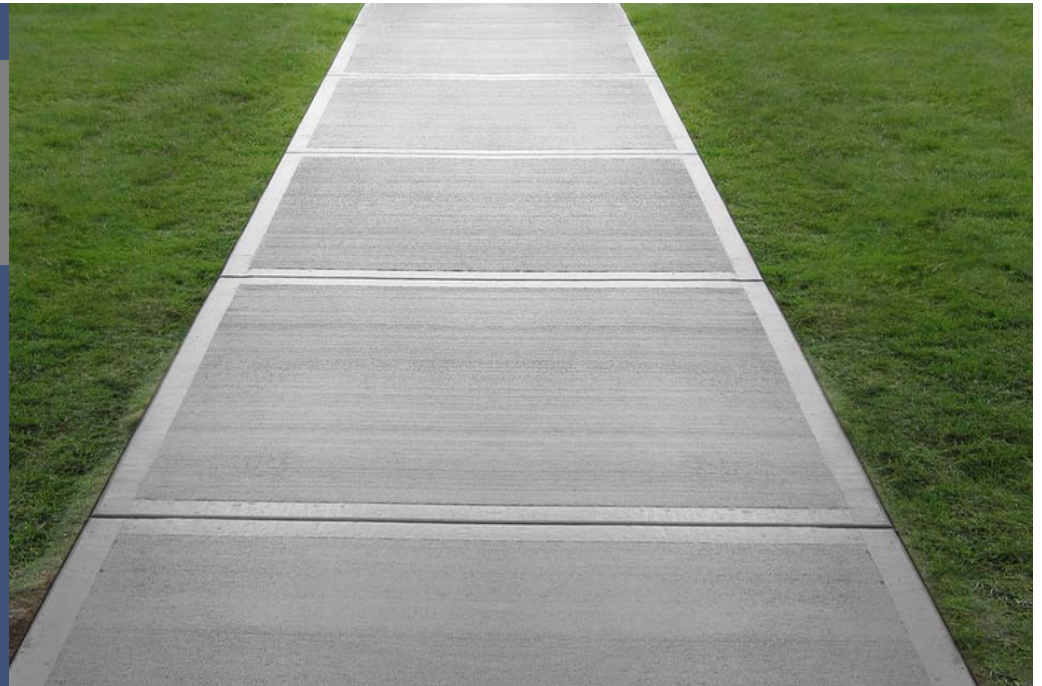
Provides an alternative multi-modal option and enhanced pedestrian safety in line with Vision Zero.

## Focus

- Sidewalk Gaps
- Sidewalk Hazard Repairs & ADA Compliance
- Sidewalk Cost Sharing Program

## Prioritization

- Schools, Hospitals, Libraries, Parks, Commercial Centers, VIA Bus Routes, and Pedestrian Crashes



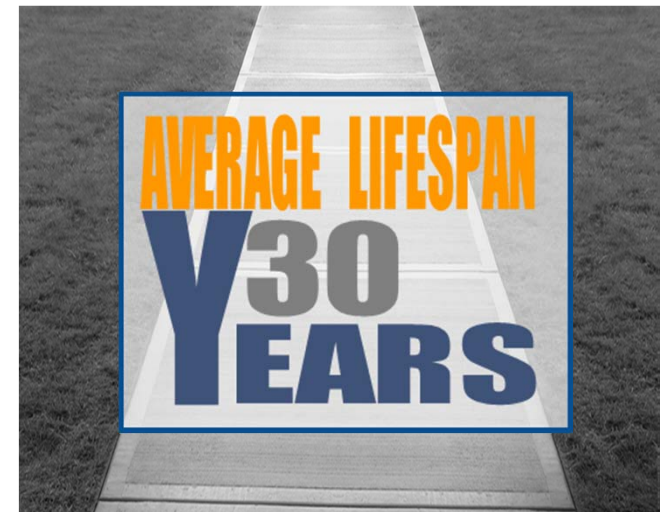
**5,032**  
SIDEWALK MILES

**1,898**  
GAP MILES



# Construction

- Construct sidewalks using design guidelines and construction specifications
- Improvements include:
  - New curbs, sidewalks & driveway sections
  - Relocation of existing infrastructure in right of way (fences, mailboxes, irrigation lines)
  - Retaining walls (as necessary)
  - Landscaping (sodding as necessary)
  - Traffic control
  - Signage & pavement markings





# Current Sidewalk Construction

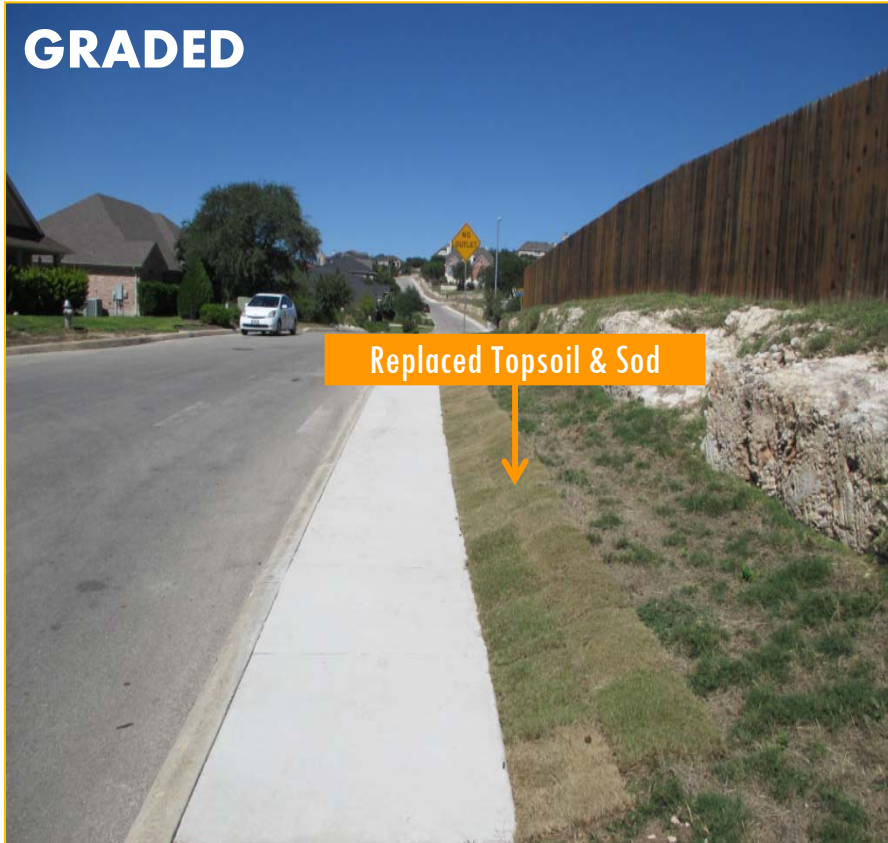


# Current Sidewalk Construction





# Current Sidewalk Construction



# Sidewalk Project Costs

FY 2016 & FY 2017

Category	Total Cost	%
Concrete Sidewalks	\$ 5,680,430.00	30%
Concrete Driveway	\$ 3,528,030.64	19%
Concrete Curb	\$ 3,231,777.38	17%
Removal of Existing	\$ 2,012,112.25	11%
Street	\$ 1,341,535.78	7%
Landscaping	\$ 1,382,502.90	7%
Retaining Walls, Steps, Railing	\$ 736,311.85	4%
Signage and Pavement Markings	\$ 399,282.94	2%
Safety	\$ 320,883.80	2%
SAWS	\$ 177,335.80	1%
Fencing	\$ 59,282.00	0%
Grand Total	\$ 18,869,485.34	100%

Data compiled by Audit Office (December 2017)





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# What's Ahead

Potential Project Alternatives to Optimize  
Sidewalk Program Delivery

## Alternative A - Current Process



### Criteria

- **Priority Selection** (Priority Corridors - Schools, Hospitals, Libraries, Parks, Commercial Centers, VIA Bus Routes, and Pedestrian Crashes)
- **Project Elements**
  - Sidewalks
  - Curbs & driveway sections
  - Retaining walls (as necessary)
  - Landscaping (sodding as necessary)
  - Relocation of existing infrastructure in right of way (fences, mailboxes, irrigation lines)



## Alternative B– Fewer Infrastructure Elements



### Criteria

- **Priority Selection** (Low cost projects with limited impacts)
- **Project Elements**
  - Sidewalks only
  - No curbs, retaining walls or landscaping (sodding)
  - Limited driveway sections
  - Property owners responsible for relocation of existing infrastructure in right of way (fences, mailboxes, irrigation lines)



## Alternative C - Modified Current Process



### Criteria

- **Priority Selection** (Focus on priority corridors and prioritize easy to construct projects with minimal obstructions)
- **Project Elements**
  - Sidewalks with minimal incidental improvements
  - Limited driveway sections, curbs, retaining walls and landscaping (sodding) as necessary
  - Limited relocation of existing infrastructure in right of way (fences, mailboxes, irrigation lines)





# Summary of Options

## Alternative A

### Current Process

- **Priority Selection** (Priority Corridors - Schools, Hospitals, Libraries, Parks, Commercial Centers, VIA Bus Routes and Pedestrian Crashes)
- **Project Elements**
  - Sidewalks
  - Curbs
  - Driveway sections
  - Retaining walls
  - Landscaping (sodding as necessary)
  - Relocation of existing infrastructure in right of way (fences, mailboxes, irrigation lines)

## Alternative B

### Fewer Infrastructure Elements

- **Priority Selection** (Low cost projects with limited impacts)
- **Project Elements**
  - Sidewalks Only
  - **No** Curbs
  - **Limited** Driveway sections
  - **No** Retaining walls
  - **No** Landscaping
  - **Property Owners** responsible for relocation of existing infrastructure in right of way (fences, mailboxes, irrigation lines)

## Alternative C

### Modified Current Process

- **Priority Selection** (Priority corridors and prioritize easy to construct projects with minimal obstructions)
- **Project Elements**
  - Sidewalks
  - **Limited** Curbs
  - **Limited** Driveway sections
  - **Limited** Retaining walls
  - **Limited** Landscaping
  - **Limited** relocation of existing infrastructure in right of way (fences, mailboxes, irrigation lines)

Project selection and elements can be modified and/or combined.



# Closing

Next Steps & Staff Recommendation

# Next Steps

## Facilitate Policy Discussions on:

### **Sidewalk Maintenance Property Owner Responsibility**

- For existing sidewalks under “Sec. 29-11 of the MuniCode”
- Participation in new sidewalk construction

### **Network Completion Targets**

- Setting timelines for the achievement of specific target objectives for completing gaps and repairs (City Wide or Priority Areas)

### **Funding Allocation**

- Potential refinement of the funding allocation to achieve greater equity across districts.

## Recommendation

- Further discussion to be continued potentially in a subsequent Transportation Committee and/or a **"B" Session** in coming months
- Use feedback received to complete a comprehensive **Sidewalk Transformation Plan** to be used as part of FY 2019 budget development process



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