



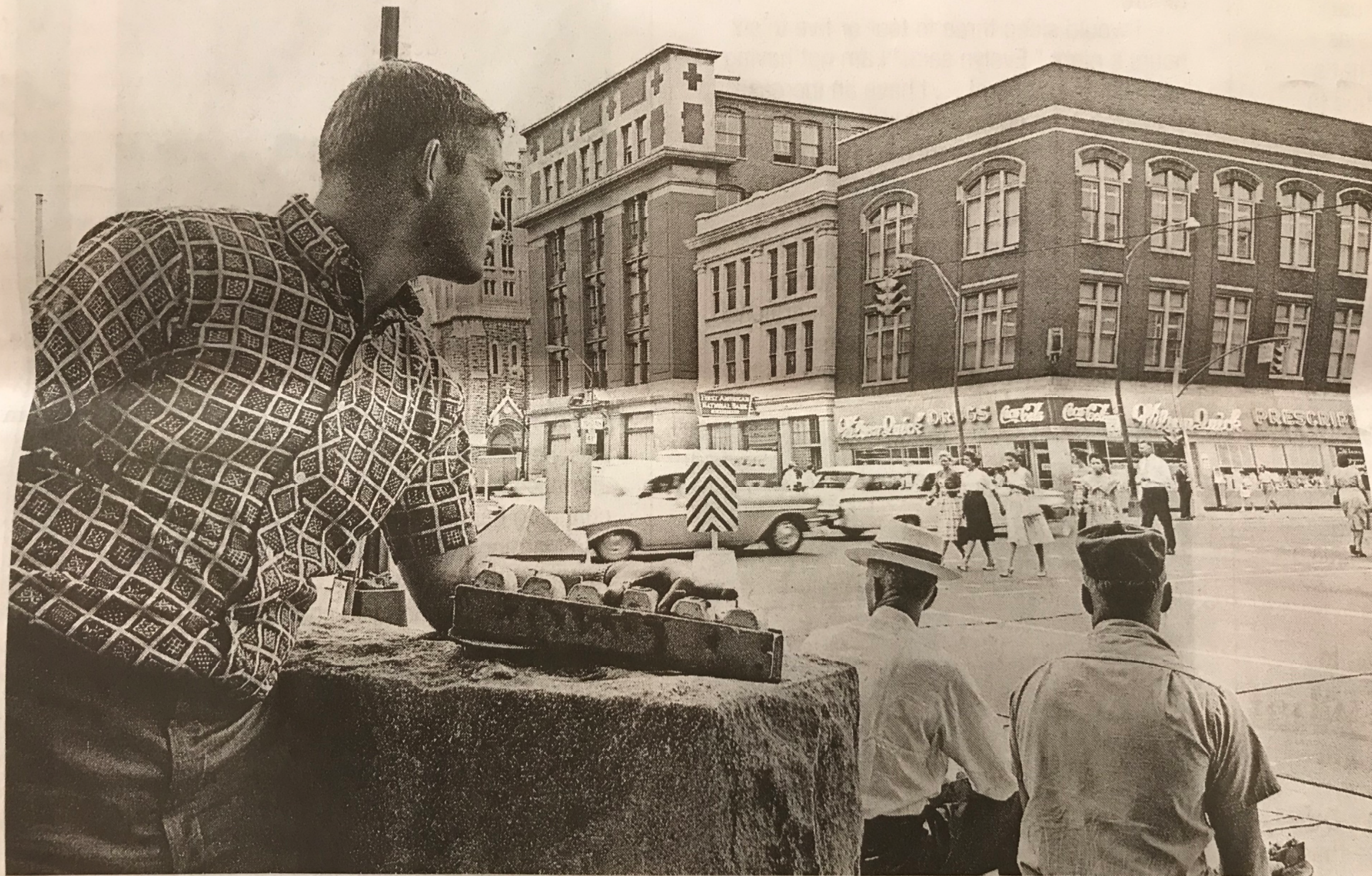
# *Nashville DOT*

WalknBike Plan Update

TSITE

July 29, 2021

# *NDOT*



**Gerald Thompson, left, of White Bluff, Tenn., counts turns and straights ahead movements at Eighth and Broadway in downtown Nashville, called one of the busiest intersections in the state, on July 6, 1961. His job is to help determine the needs of the state highway system. ELDRED REANEY / THE TENNESSEAN**

# ***Sidewalk Program Overview***

***May 13, 2021***

## Agenda

1. Introductions
2. Overview of six major areas
3. Discussion of goals, performance metrics, & tracking



## Project Selection

- WnB Update
- "Planning's" role
- New projects on hold

Design

ROW

Const

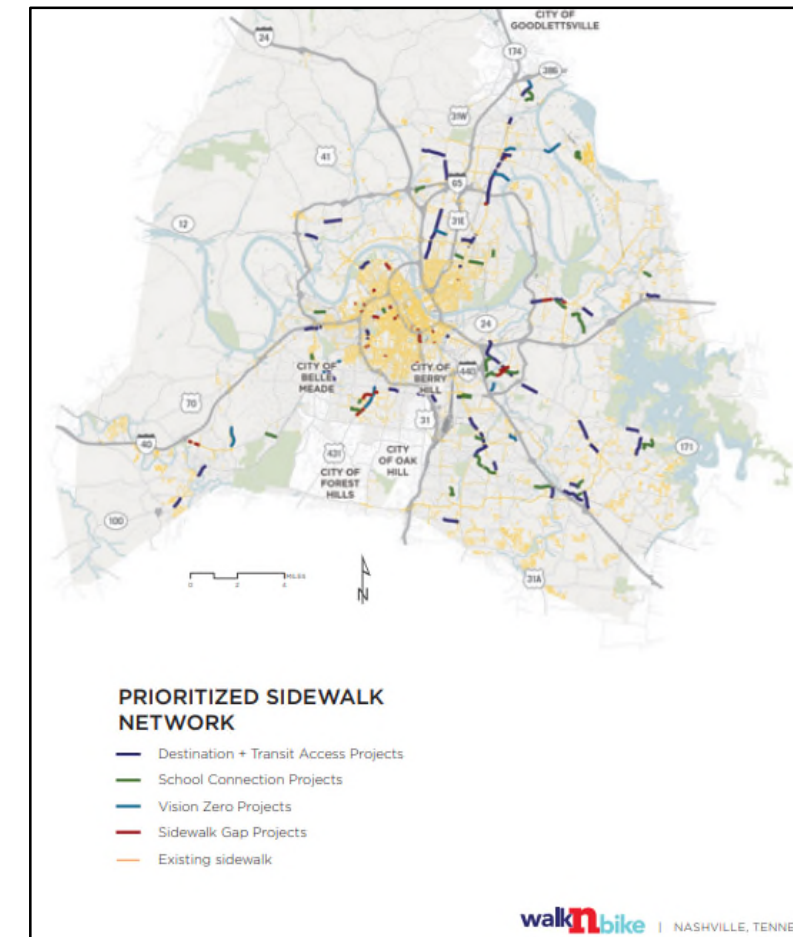
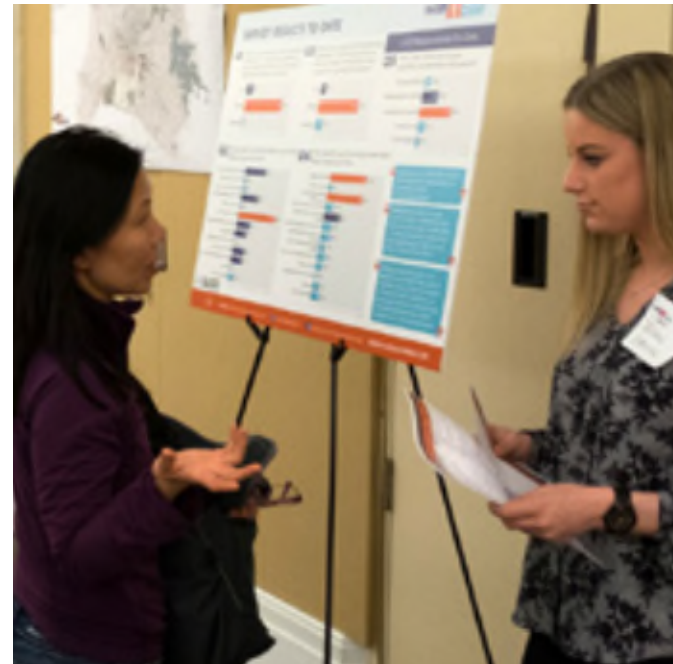
50 backlog projects  
(+ Lower Broad)

Repairs

- ADA compliance/RFA
- NES relocations
- Service requests
- Repair/gap prioritization
- MNPS

Admin,  
Other

- PM transition
- New CEI process
- Inspector hire, eng potential hires
- Budget and progress tracking
- Performance metrics
- Communications



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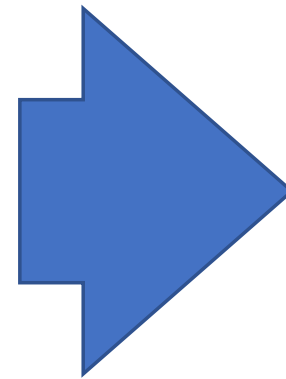
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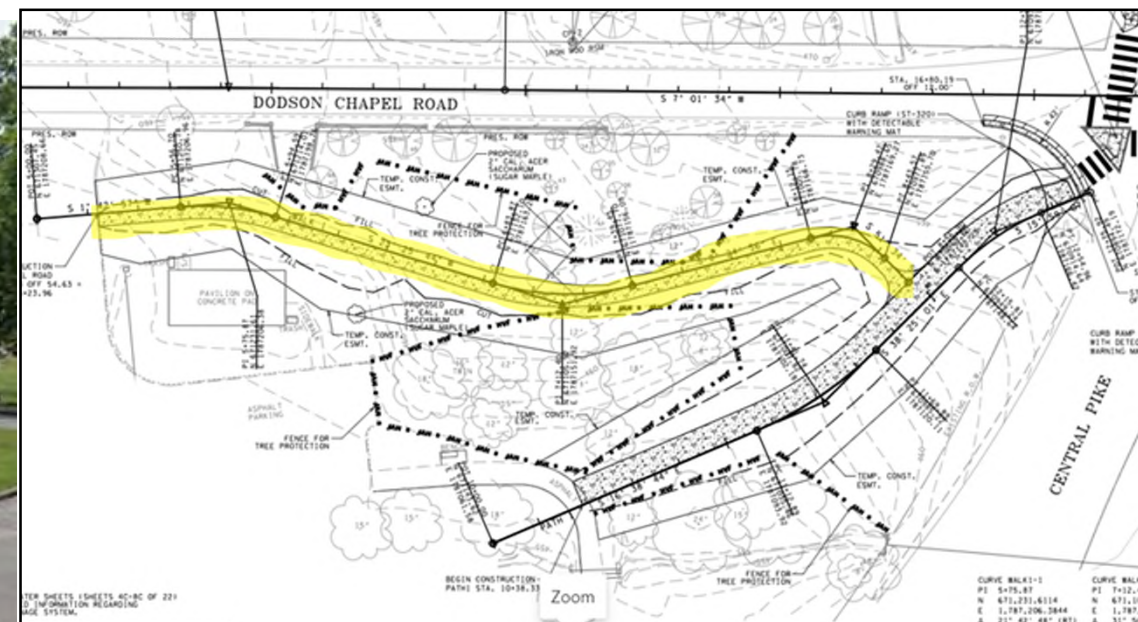
- 4 under const
- 6 at Purchasing
- 7 building bid docs
- 4 technically infeasible
- 29 in ROW



- Look to reduce – scope & materials
- (Fresh) eye on safety – value-add where needed
- Get going! Aggressively push to construction
- Build process as we go
- Cut bait if we have to
- Untangling the time delay knot

25<sup>th</sup> Ave Sidewalk: Cost **\$535,000** , now **\$174,000 (67% savings!)**

Dodson Chapel Road sidewalk through Hermitage Park:



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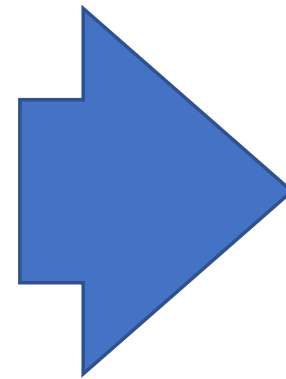
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Signal enhancements on Dodson Chapel and Maplewood Trace projects:



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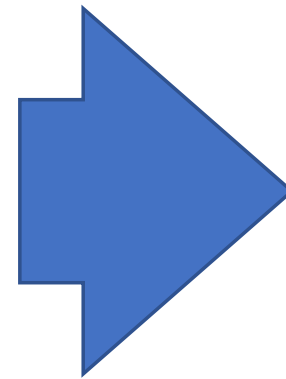
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*James Ave sidewalk*



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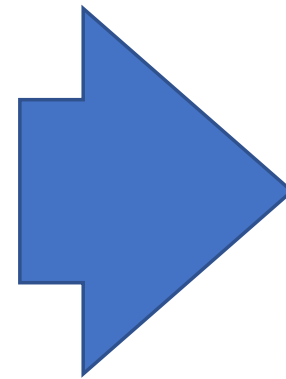
- Contracting (4 contract elements previously involved in ROW, Engineering – Civic, Acquisition – Croft, Appraisals – Niemann Ross/Public Properties, Title Searches – Community Title/Public Property)
- Administrative Contract Matters – Previous 6 months extensions in the previous 2 years
- Clear no – Leading to condemnation (9months)
- Negotiations Legal representation or reference
- Design Changes (Depending on what was agreed/disagreed with a seller)
- Access to actual owners

Design

ROW

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Sample of 10 projects  
completed 2017-2020

	Average Duration (months)	
	Critical Path	Parallel Path
Planning and coordination	12	
Engineering Design	9	
Right of Entry/Right of Way		20
Construction Procurement	6	
Construction	12	
<b>TOTAL DURATION</b>	<b>3.25 years</b>	



## Status of 50 sidewalk projects

Project Name	Council District	Project Name	Council District	Project Name	Council District	Project Name	Council District
West Hamilton Avenue	1	Old Lebanon Pike	15	Brewer Drive, Phase 2	27	Forrest Park Road	9
Kings Lane	1	Lebanon Pike	15	Murfreesboro Pike	28	Anderson Lane	9
Brick Church Pike	3	Foster Avenue	16	Edge O Lake Drive	29	Gallatin Pike	10
Vailview Drive	3	Vaulx Lane	17	Hamilton Church Road	29	Riverside Drive	11
Delmas	5	25th Avenue South	18	Tusculum Road	30	Winthorne Drive	13
Dickerson Pike	5	Herman Street	19	Linbar Drive	30	Dodson Chapel Road	14
Eastland Avenue	6	15th Avenue N/Hynes Street	19	Wallace Road	30	Stewarts Ferry Pike	14
Ordway Place	6	James Avenue	20	Blue Hole Road	31	Highway 70 South	22
Stratford Avenue, Phase 3	7	Annex Avenue	20	Old Hickory Boulevard	31	Vaughns Gap Road	23
Stratford Avenue, Phase 2	7	Annex Avenue Phases 2 & 3	20	Mt View Road	32	Bowling Ave	24
Maplewood Trace	8	23rd Avenue North	21	Asheford Trace	32	Bowling Avenue	24
Dickerson Pike	8	Belle Forest Circle	22	Old Harding Pike	34	Graybar Lane/Hillsboro Pike	25
Davidson Road	23	Brewer Drive, Phase 1	27				

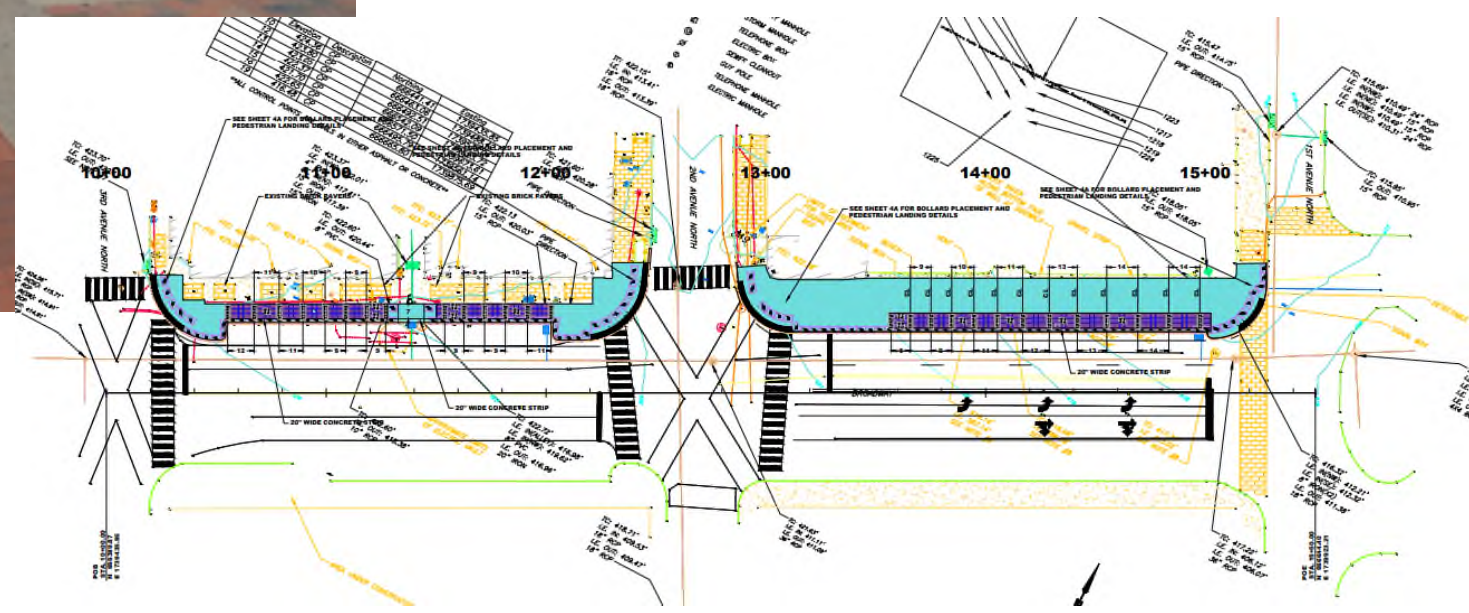
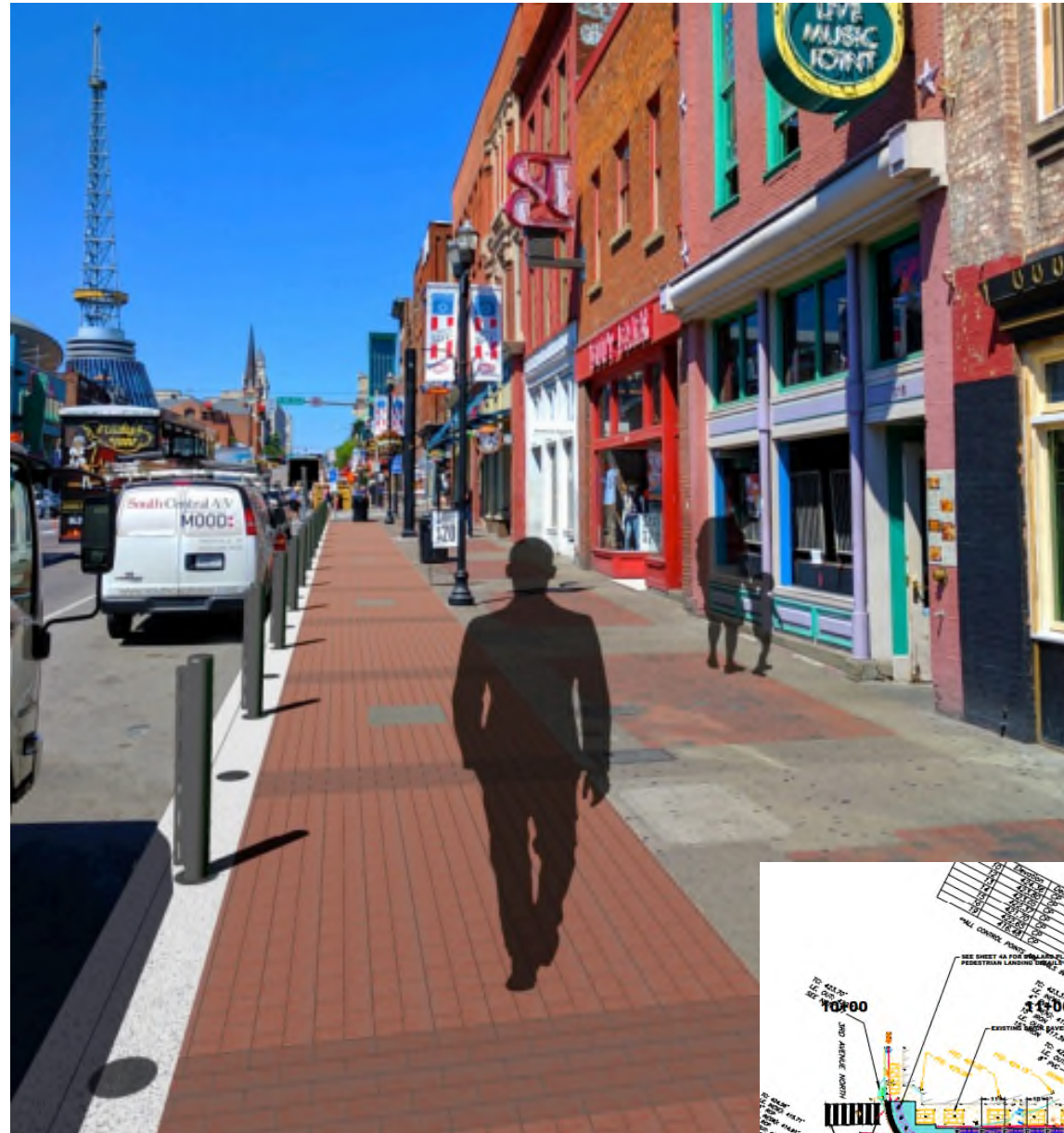
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• 4 technically infeasible

# Lower Broadway sidewalk improvements



## Project Selection

- WnB Update
- "Planning's" role
- New projects on hold



## Design

## ROW

## Const

50 backlog projects  
(+ Lower Broad)

*Herman St repairs, pole relocation*

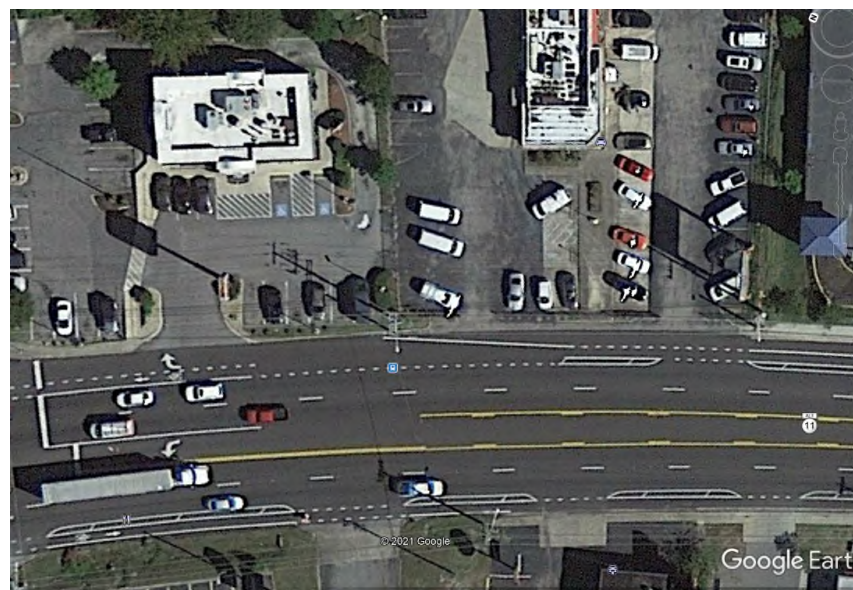


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*Gap prioritization*



*MNPS fixes*

## Project Selection

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Morrow Rd rebuild



Clay St rebuild

## Project Selection

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- “Planning’s” role
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## Design

## ROW

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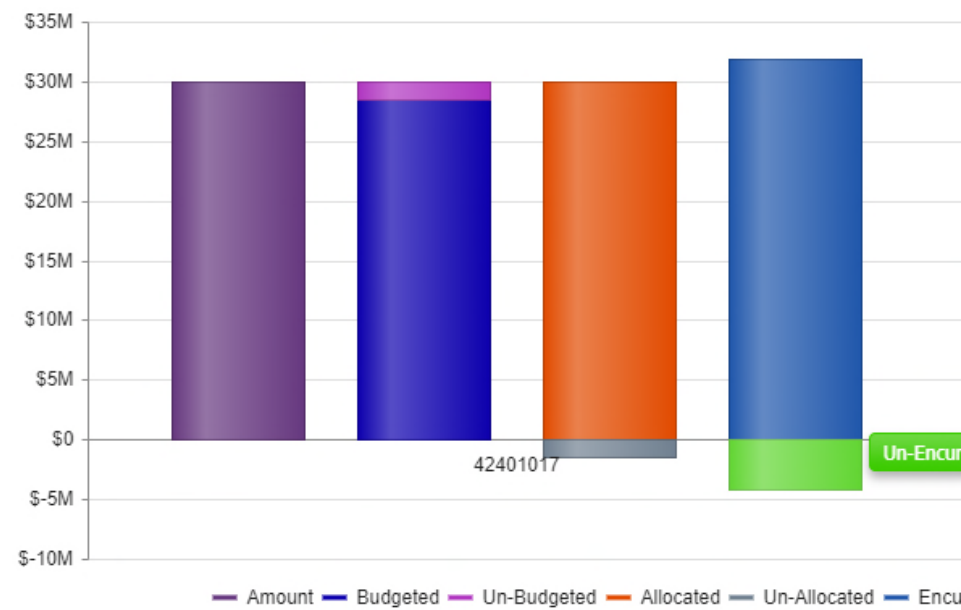
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## Repairs

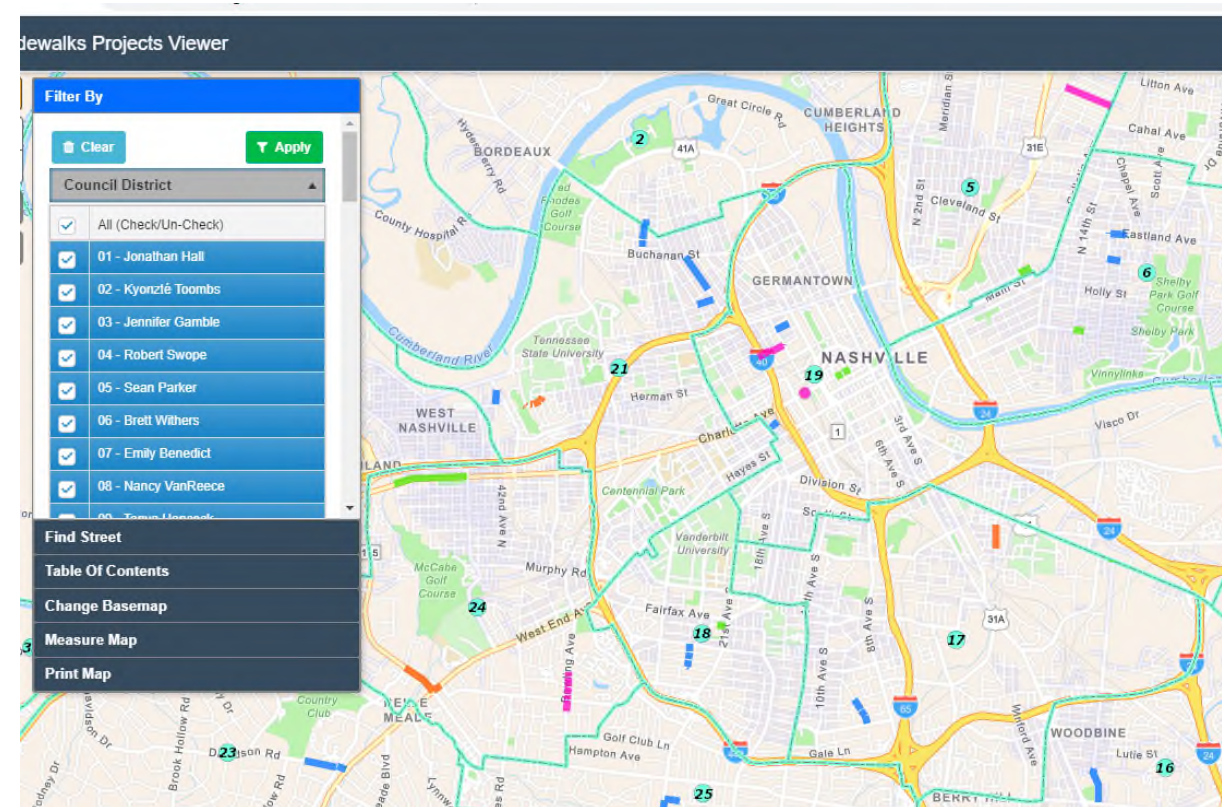
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	Total Budget	Amt. Un-encumbered
FY 16	\$25M	(\$0.29M)
FY 17	\$30M	(\$4.19M)
FY 18	\$30M	\$10.35M
FY 19	\$30M	\$30M
FY 20	\$4M	\$3.87M
FY 21	\$21M	\$21M



## Project Selection

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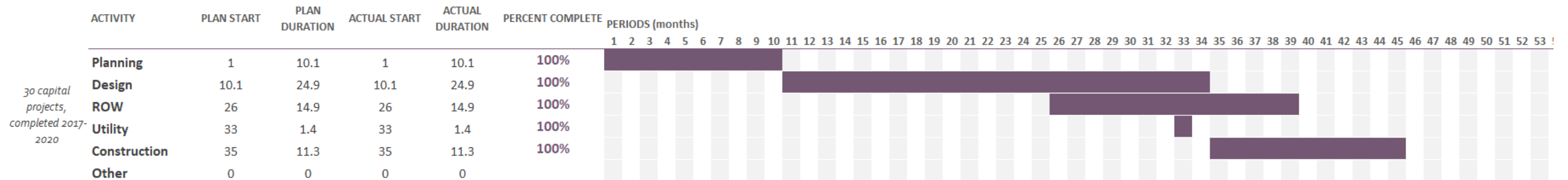
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## Baseline Time Data






Select a period to highlight at right. A legend describing the charting follows.

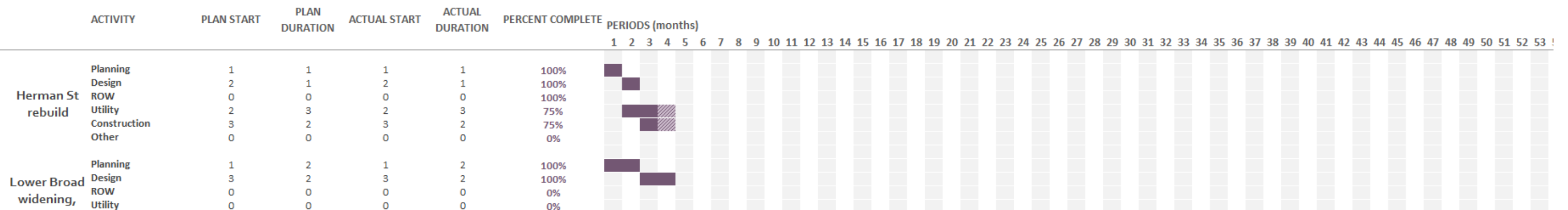
Period Highlight: 60  Plan Duration  Actual Start  % Complete  Actual (beyond plan)  % Complete (beyond plan)



## Current Project Time Data

Select a period to highlight at right. A legend describing the charting follows.

Period Highlight: 60  Plan Duration  Actual Start  % Complete  Actual (beyond plan)  % Complete (beyond plan)



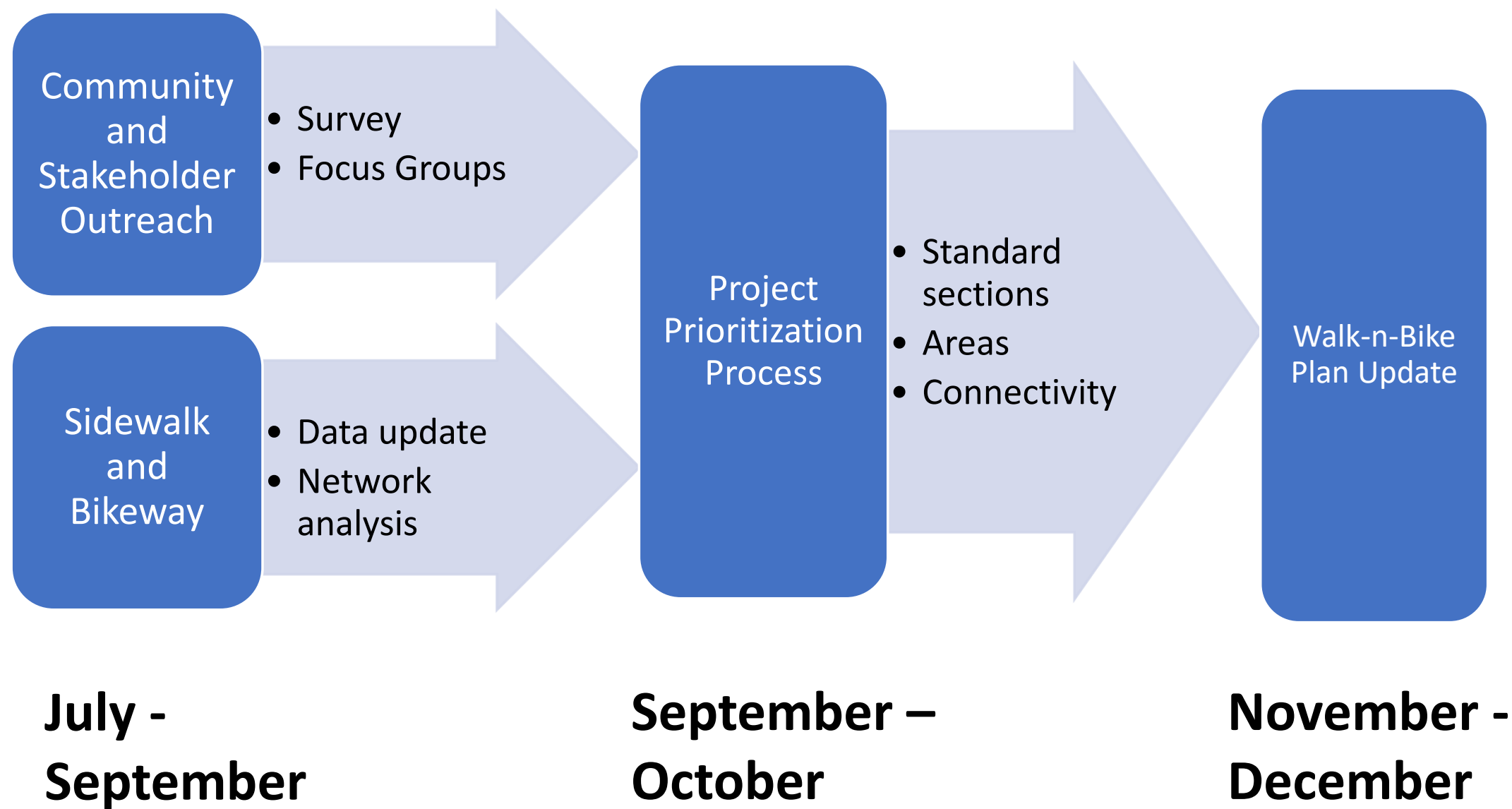
# Our Approach to Walk-N-Bike Plan Update

Guided by the Mayor's emphasis on lower cost and faster implementation of WNB infrastructure

*"...improve sidewalk construction times by 50 percent and reduce costs by 20 percent within 12 months – as we work to build and repair 75 miles of sidewalks. We must make these smart, neighborhood-focused investments to keep Nashville on the move for generations."*

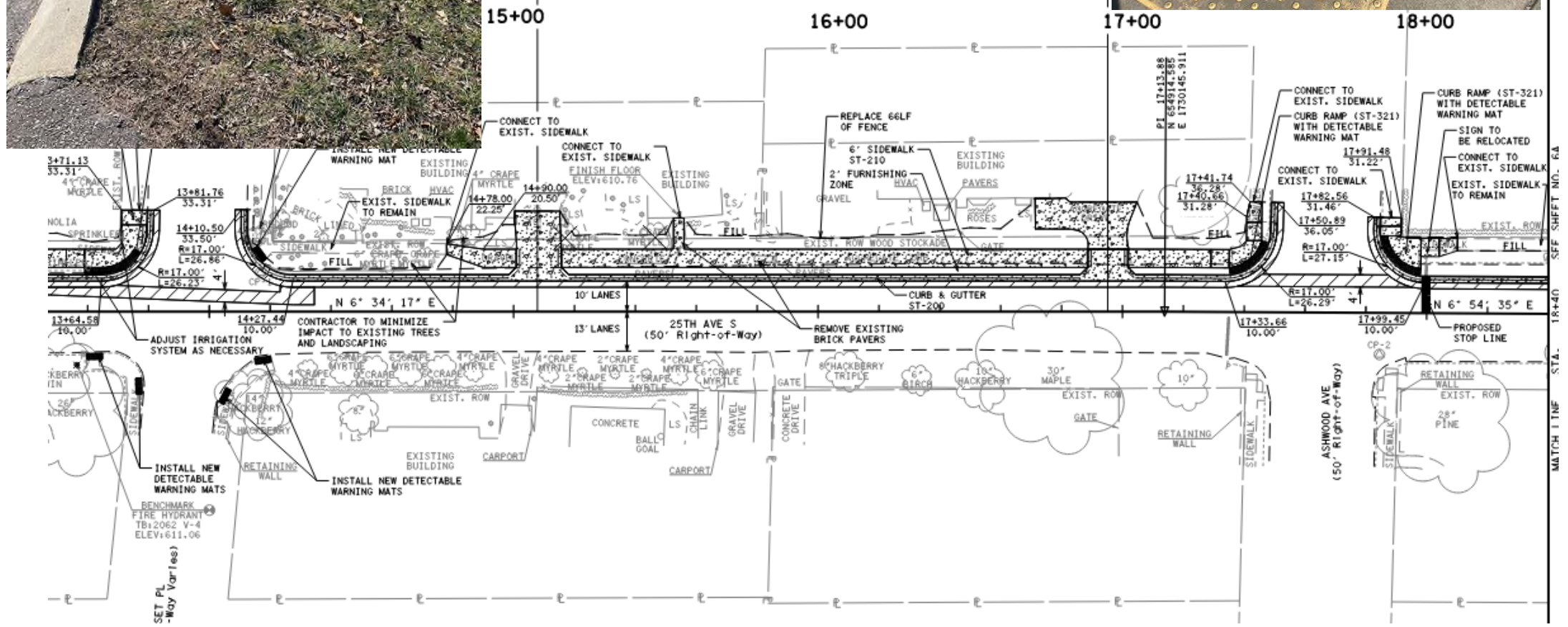
*– Mayor John Cooper, Metro Nashville*



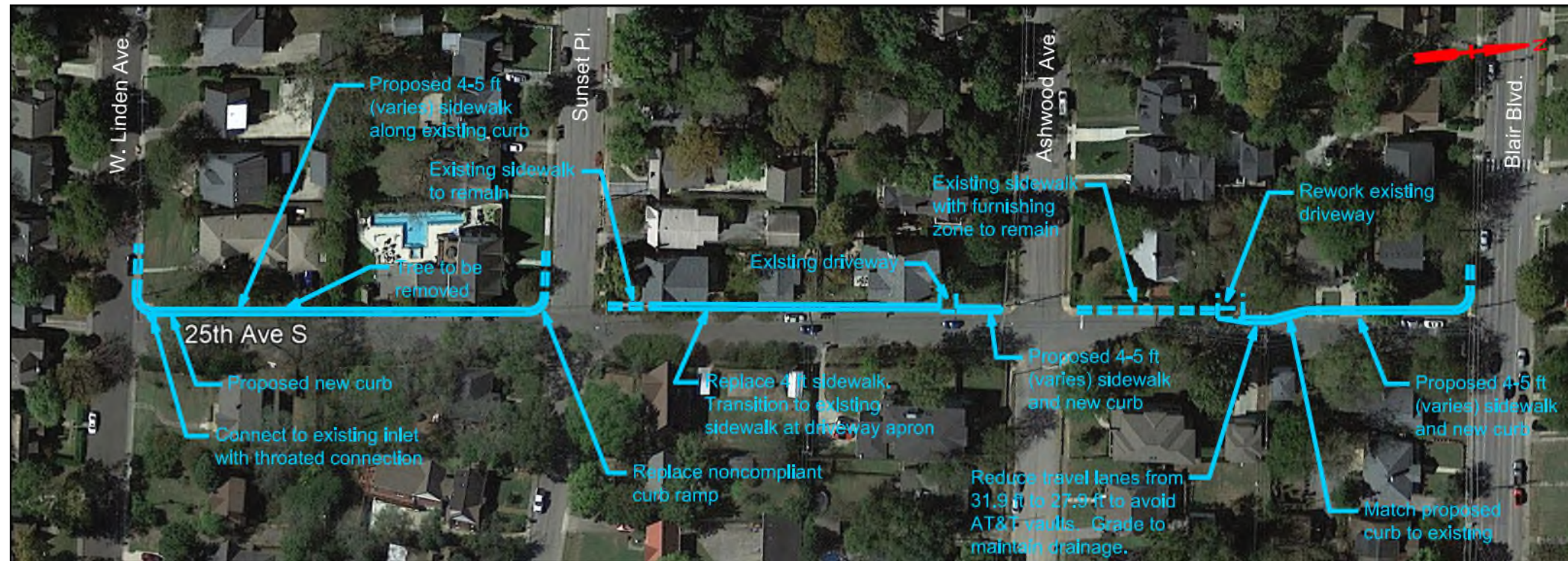




# 25<sup>th</sup> Ave S



# 25<sup>th</sup> Avenue S Alternative Concept





# WalknBike 2017 Overview & Guiding Principles

# WalknBike 2017 Purpose.



# WalknBike 2017 Process.

- March 2016– 2017
- Formed Steering Committee
- Engagement and Outreach
- Reviewed best practices
- Technical analysis
- Developed recommendations

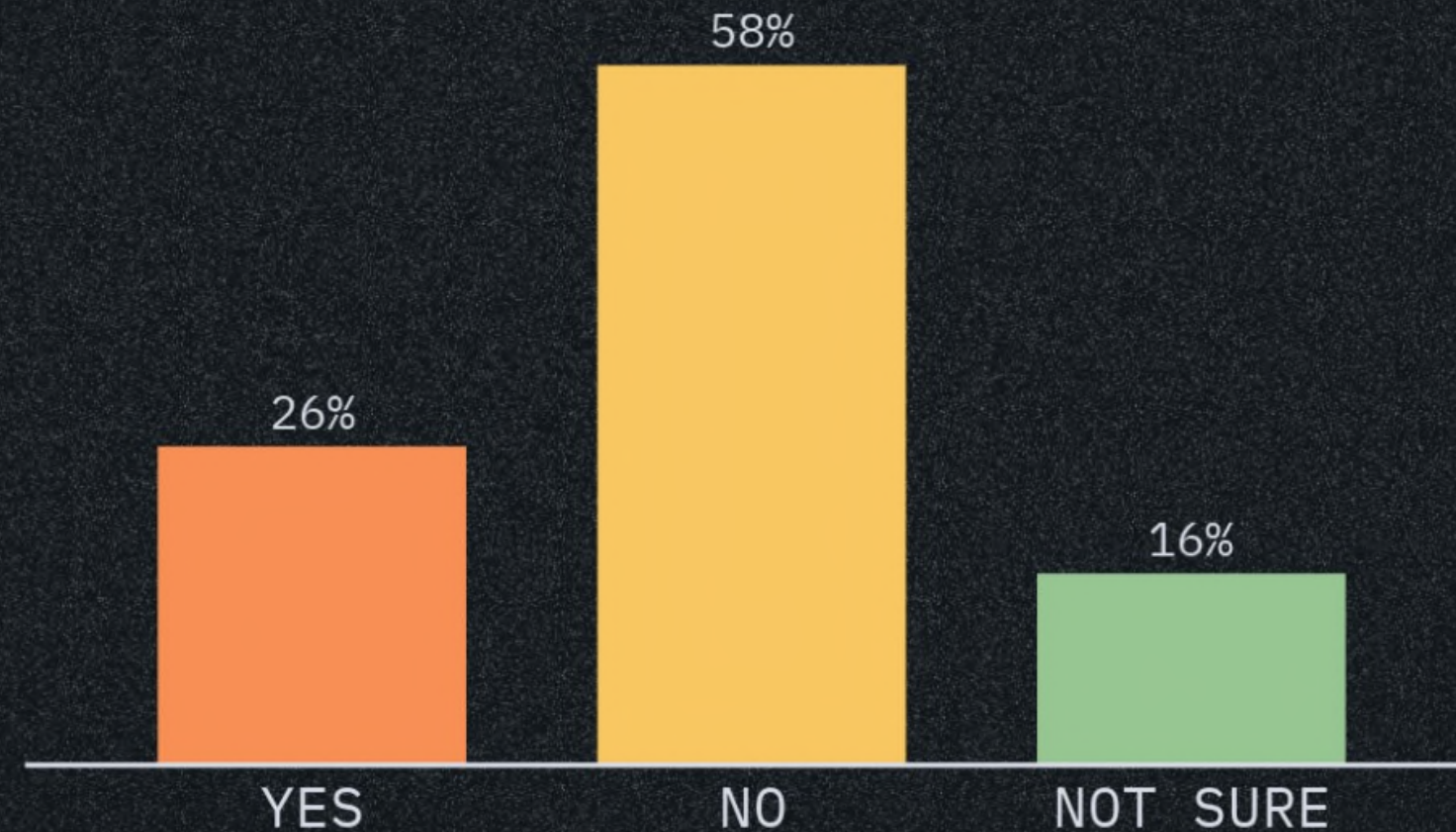


# WalknBike 2017 Vision Statement

The Nashville bicycle and pedestrian system will be a network of high-quality, comfortable, safe sidewalks and bikeways, connecting people to opportunity. The system, inclusive to users of all ages and abilities, will promote and encourage safety, health, education, and active transportation.



So far, do you think the existing WalknBike plan is meeting the City's vision?



# Should we do anything to amend the WalknBike vision for the plan update?

More inclusive to ALL roadway users, more emphasis on equity.

Include major arterials.

More emphasis on inclusivity and equity

Create a year goal

Build in flexibility. Provide contextually sensitive designs

Yes, look deeper into connecting network

Strengthen implementation plan

Better prioritize safety improvements to areas in need; state owned routes

Identify more robust funding sources



# Should we do anything to amend the WalknBike vision for the plan update?

Reach communities that walk out of necessity

Yes. EQUITY and EQUALITY need to be emphasized!!!!

Connected bike network implementation

More emphasis on safety for people with disabilities

Engage a more diverse group of people during outreach.

Prioritize pikes/transit corridors.

Better agency coordination

Get developers to do more

Focus on intersections and crossings for pedestrians.

# Should we do anything to amend the WalknBike vision for the plan update?

Better maintenance of existing bike lanes.

Prioritize in neighbors that have traditionally been under resourced

Emphasize multimodal connections

Make developers pay more

Consider affordable housing

More dedicated local funding

coordinate with vision zero plan

# WalknBike 2017 Goals.

## Goals & Objectives

### Access & Equity

Walking and biking will be accessible to all Nashville/ Davidson County residents regardless of age, ability, background, and income.

**Objective:** Improve conditions for walking and biking in areas of highest need and where people are most likely to walk and bike

### Network Connectivity

Walking and biking will seamlessly integrate with other modes of transportation, such as transit, and connect people to where they live, work, play, and learn.

**Objective:** Close the gaps where key connections to bikeways or walkways are needed

### Safety

Walking and biking will be a safe and comfortable activity for everyone. Metro Nashville will continue progressing towards its goal of zero traffic fatalities and strive to minimize safety concerns for the city's most vulnerable users.

**Objective:** Implement education and encouragement programs, enforcement strategies, and safety countermeasures to prevent pedestrian and bike collisions

### Collaboration

Metro Nashville will strive to strengthen existing partnerships and to build new and innovative ones to advance its vision for walking and biking.

**Objective:** Partner with local organizations to offer a greater number of programs focused on walking and biking

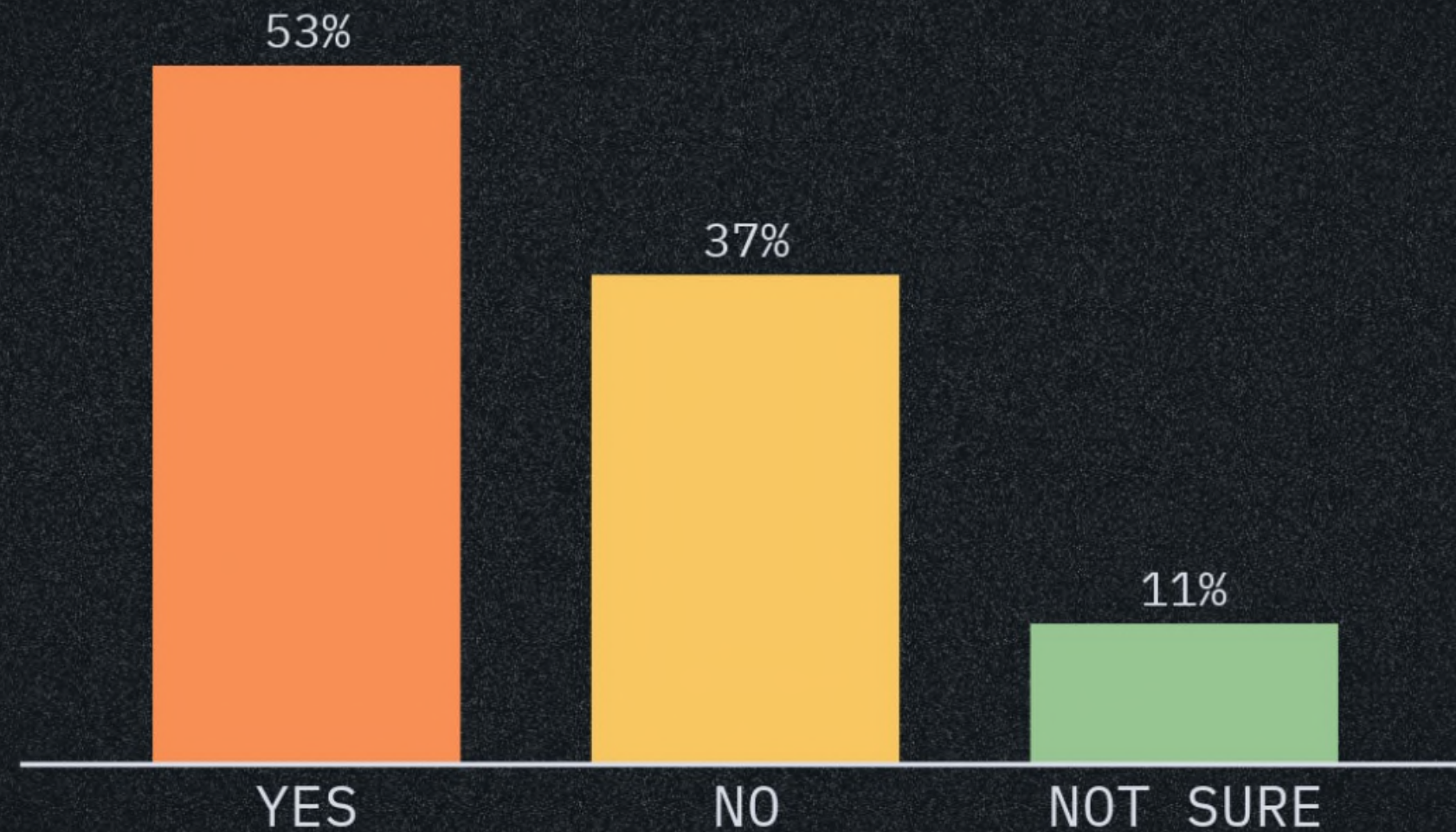
### National Recognition

Metro Nashville will strengthen its commitment to making biking and walking a safe and convenient option for users of all ages and abilities.

**Objective:** Attain designation as "Silver Level Bicycle Friendly Community" and "Silver Level Walk Friendly Community"

# Do the 2017 WalknBike plan goals align with current needs in Nashville?

Mentimeter

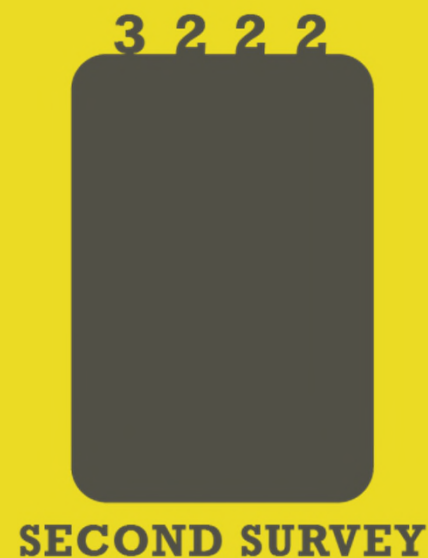
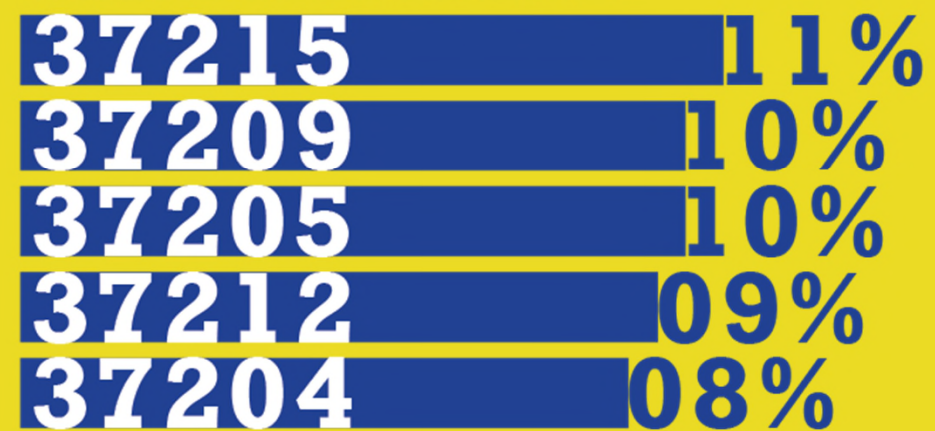


# WalknBike 2017 What They Heard.

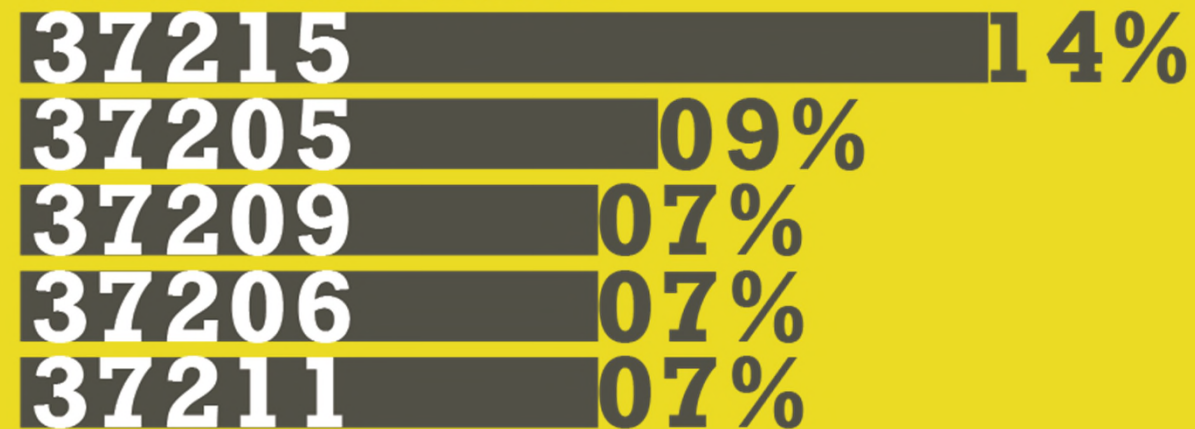
## 2 SURVEYS



### WHERE PEOPLE LIVE



### WHERE PEOPLE LIVE



# Which zip codes/neighborhoods should we target in our outreach efforts?

vulnerable communities

37208 37013 se nashville

areas with rapid growth

antioch north nashville

37207

inner loop 37211

madison donelson

high frequency dest

buchanan street

north nashville antioch

green hills  
all areas

# WalknBike 2017 What They Heard.

Most felt walking and biking IS NOT safe and convenient

## WHAT PREVENTS YOU FROM WALKING MORE?



Lack of Sidewalks  
(83%)



Roads and Sidewalks  
Don't Feel Safe (48%)



Sidewalks in Poor  
Condition (41%)



Not Enough Time/  
Destinations Too Far  
(32%)



Lack of Sidewalk  
Connections  
to Bus Stops (29%)



Lack of Pedestrian  
Amenities (29%)

## WHAT PREVENTS YOU FROM BIKING MORE?



Roads Don't  
Feel Safe (70%)



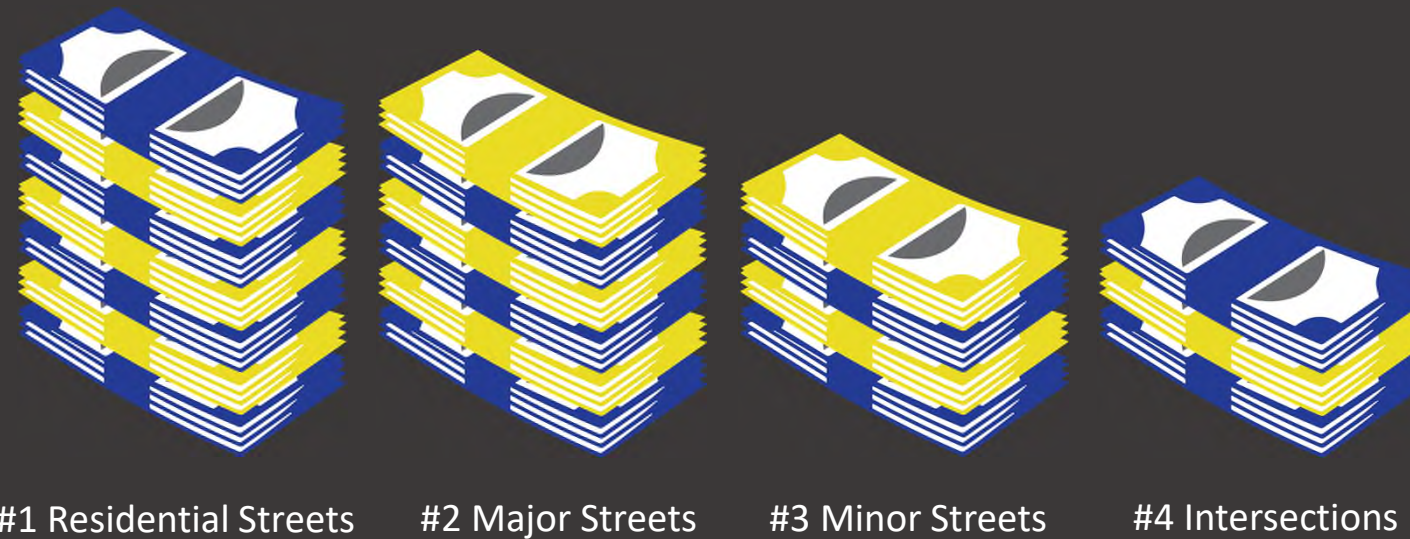
Lack of Dedicated  
Bike Space  
(68%)



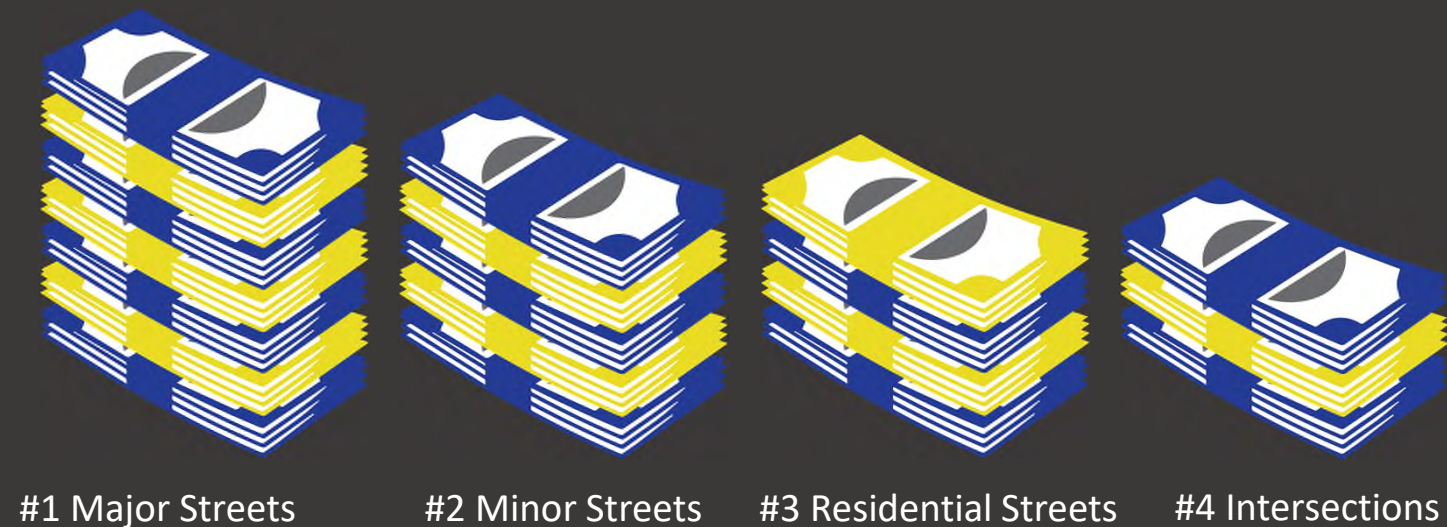
Bike Paths in  
Poor Condition  
(34%)

# WalknBike 2017 What They Heard.

## If respondents had \$10 to spend on sidewalks



## If respondents had \$10 to spend on bikeway projects



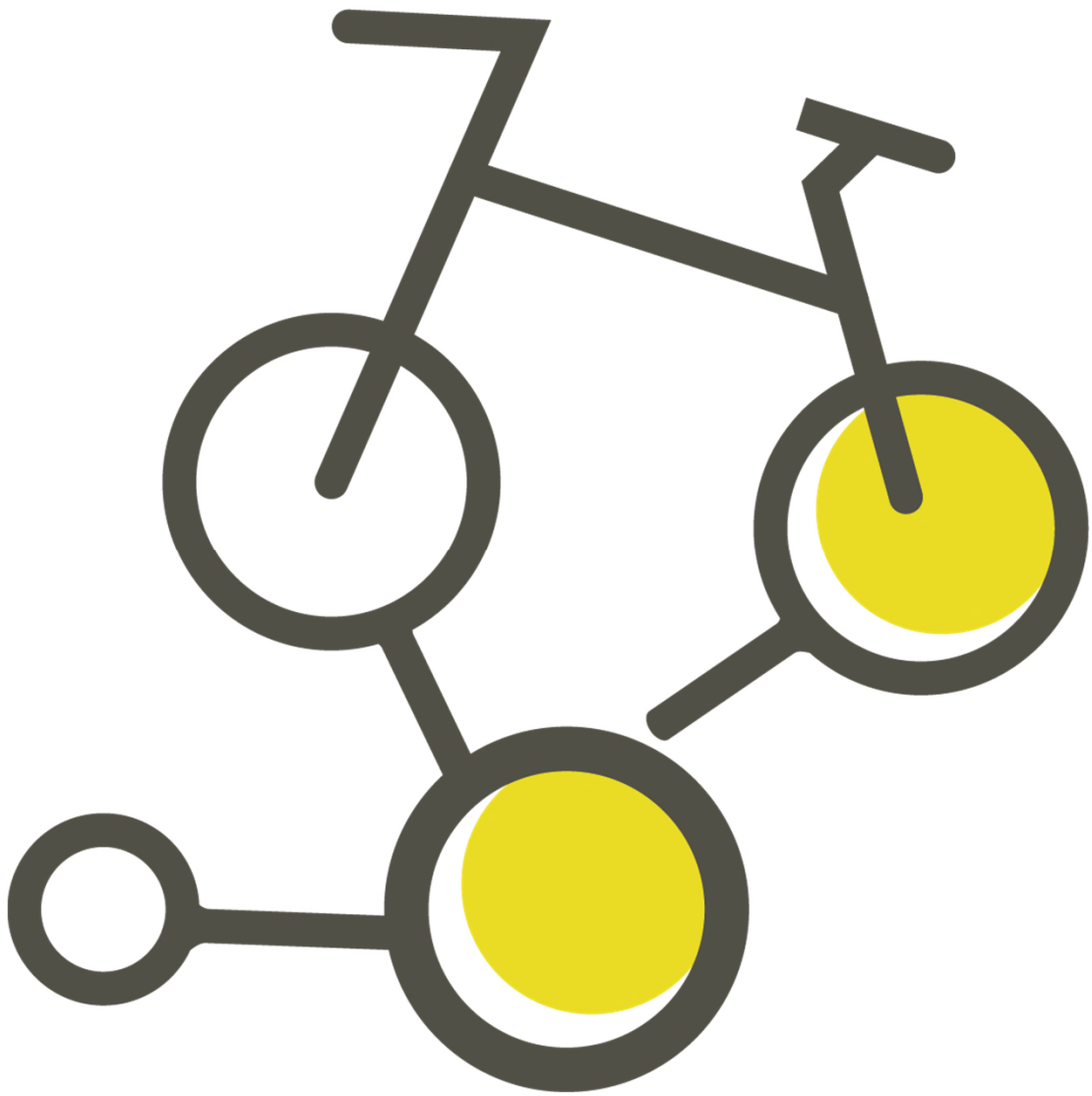




# WalknBike 2017 What They Heard.

## Top Priorities to influence location of bike/ped improvement

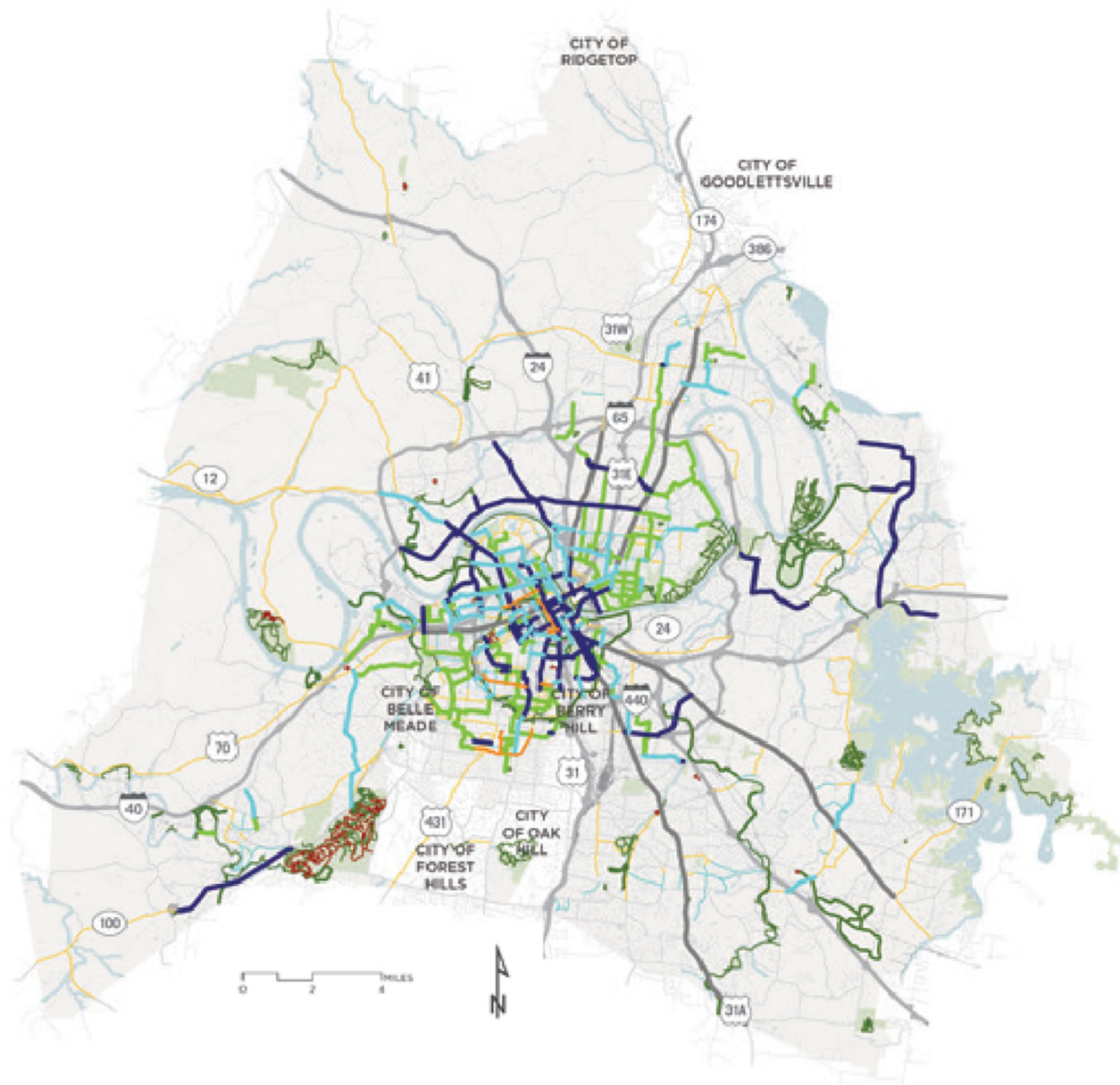
- Safety
- Connectivity
- Equity and need



## WalknBike 2017 What Was Done.

### **Data Analysis – Bike Network**

- Bike/ped crashes
- Health priority areas
- Bike/ped demand



RECOMMENDED BIKEWAYS

- Major separated bikeway
- Minor separated bikeway
- Bike boulevard
- Bikeway for experienced cyclists
- High capacity transit corridor
- Priority greenway (proposed in Plan to Play)
- Existing/under development greenway
- Park trail
- Existing low stress bikeway
- Existing bikeway for experienced cyclists

# WalknBike 2017 What Was Done.

Developed recommended bikeway network

# Recommended Bikeways.

- Add 186 miles of bikeways for different rider levels
- Total cost - \$88.8M



# WalknBike 2017 What Was Done.

Developed bikeway prioritization  
criteria



# WalknBike 2017

## What Was Done.

### **Data Analysis – Sidewalk Network**

- Similar to bike network
- Looked at additional criteria
- Developed priority sidewalk network

# Walknbike 2017 What Was Done.

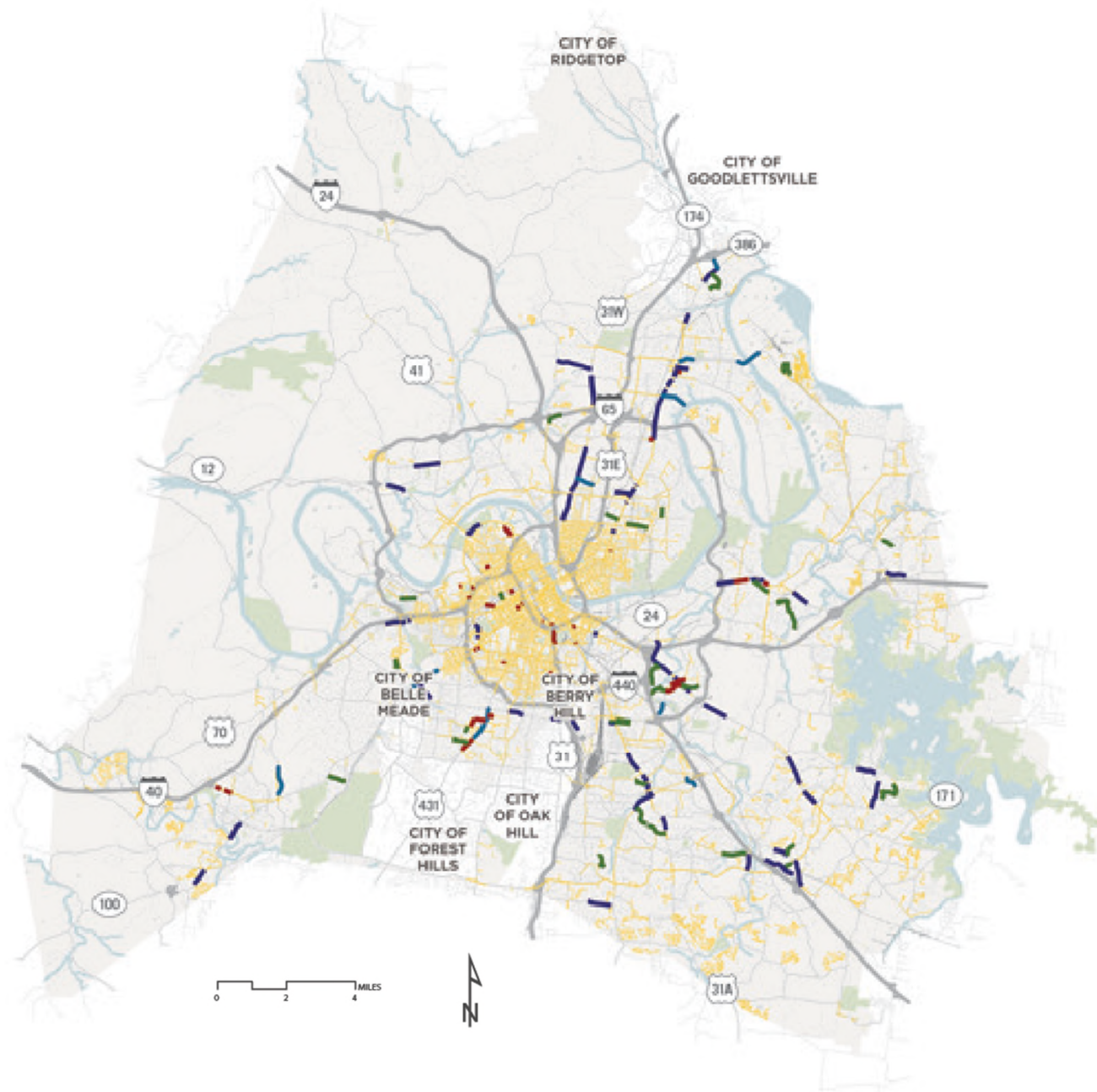
## Priority sidewalk network categories

- Destination & transit access
- School Connections
- Vision Zero
- Sidewalk gaps

Resulted in 71 miles of new sidewalk projects

- ~\$460M





**PRIORITIZED SIDEWALK NETWORK**

- Destination + Transit Access Projects
- School Connection Projects
- Vision Zero Projects
- Sidewalk Gap Projects
- Existing sidewalk

# WalknBike 2017 What Was Done.

## Sidewalk Priority Network Map



# WalknBike 2017 What Was Done.

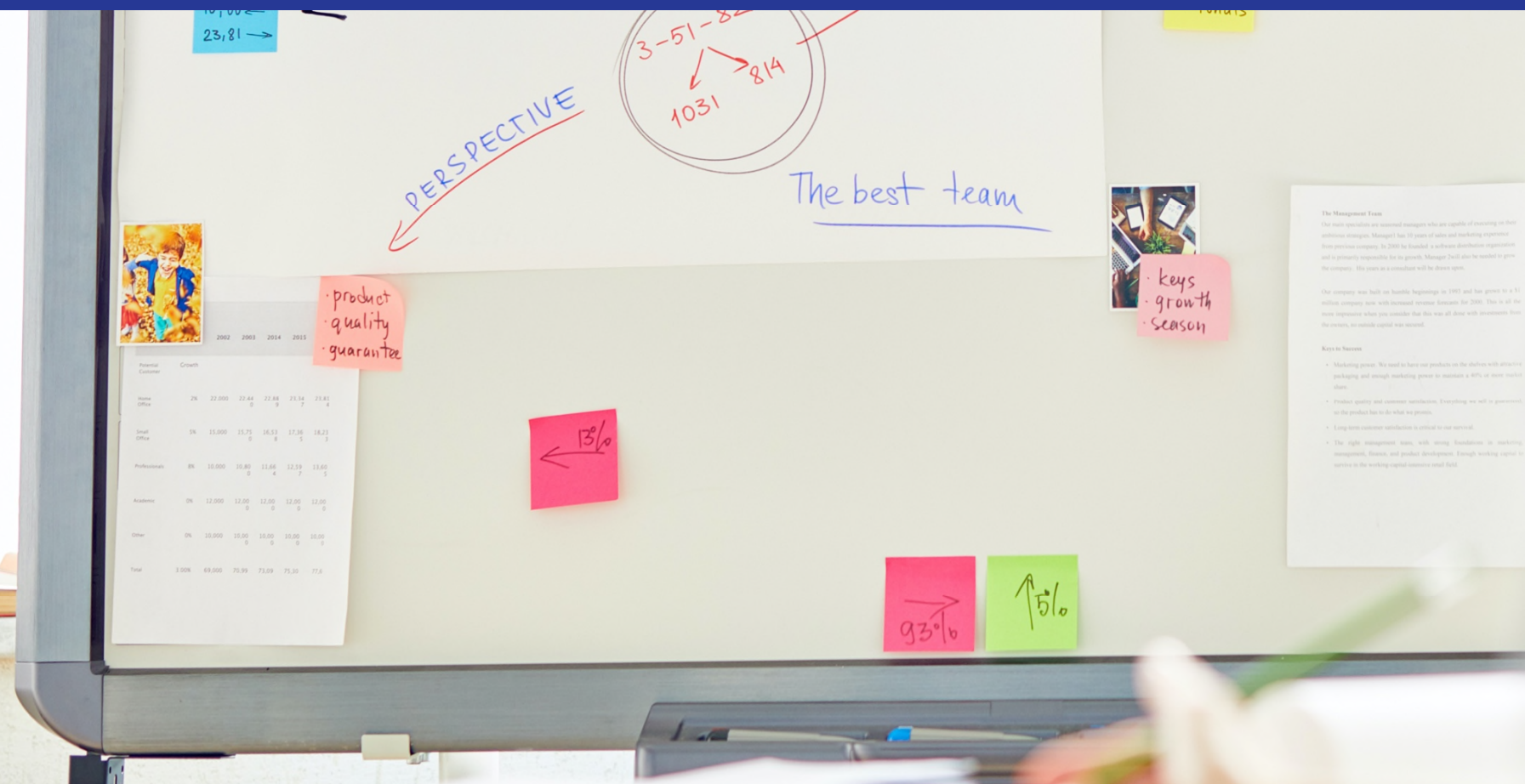
## Sidewalk repair priorities

- Fair condition
  - 261 miles
  - \$117M
- Poor condition
  - 157 miles
  - \$116M



# WalknBike 2017 Recommendations.

- Policy – Bikeshare integration, traffic calming, and speed reduction
- Programmatic – Vision Zero, Nashville Connector
- Design – Separated bikeways
- Implementation – Tactical urbanism





# WalknBike 2021 Public Engagement and Outreach

# Public Involvement Survey.

1 **Let's Walk and Roll Music City** ⓘ »  
Learn a bit about this initiative before you begin.

[ WELCOME ]

**We want your input on sidewalks and bikeways in Nashville**  
Welcome to the Nashville WalknBike Plan update survey. Before we get started we need to check in with you. Take a moment to tell us what you think and help us better understand issues that are important to you. We appreciate your valuable input.

[→ Next](#)

○ ○ ● ○ ○

Metro Nashville's Transportation Plan proposes \$1.6 billion in critical projects for community resilience, neighborhood livability, shared prosperity, and system preservation and performance.

**NDOT**



# WalknBike 2021 Focus Groups

# Focus Groups.

- August & December (same group)
- Ask more direct questions about plan and prioritization
- Truth-check plan development
- Nominations
  - Diverse group
  - Walkers and Cyclists
  - Occasional users of network
  - Industry Experts
  - Non-users





# WalknBike 2021 Performance Measures & Accountability

# Performance Measures/ Accountability for Outreach.

- Previous plan – 5,000+ participants
- Update – 100% increase
- Increase zip code coverage of participants
- Outreach dashboard to show metrics







# WalknBike 2021 Outreach and Plan Timeline





# WalknBike 2021 Next Steps

## ~~Next Steps~~ Needs.

- Need Outreach Opportunities - in-person or virtual events/meetings
  - Send to [rosa.mallete@fairpointeplanning.com](mailto:rosa.mallete@fairpointeplanning.com)
  - Subject line: Outreach opportunity
- Need Focus Group members by EOB 7/30
- Need comments on survey by EOB 7/30
  - Visit - <http://demo.metroquestsurvey.com/qr82v>
- Need Champions to help spread the work
- Need your attendance at Next Steering Committee meeting
  - Sept. 2021

