



NASHVILLE-DAVIDSON COUNTY STRATEGIC PLAN FOR SIDEWALKS AND BIKEWAYS



The WalknBike plan will improve walking and biking in Nashville, connecting people to opportunity on a network of high-quality, comfortable, and safe sidewalks and bikeways.



Metro-Nashville
Public Works
Improving the Quality of Life for Nashvillians and our Visitors

walk**n**bike



Project Update



Metro Nashville
Public Works
Improving the Quality of Life for Nashvillians and our Visitors

DRAFT Project Vision

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.

DRAFT Guiding Principles

Access & Equity – Walking and biking will be accessible to all Nashville- Davidson County residents regardless of age, ability, background, and income.

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.

DRAFT Guiding Principles

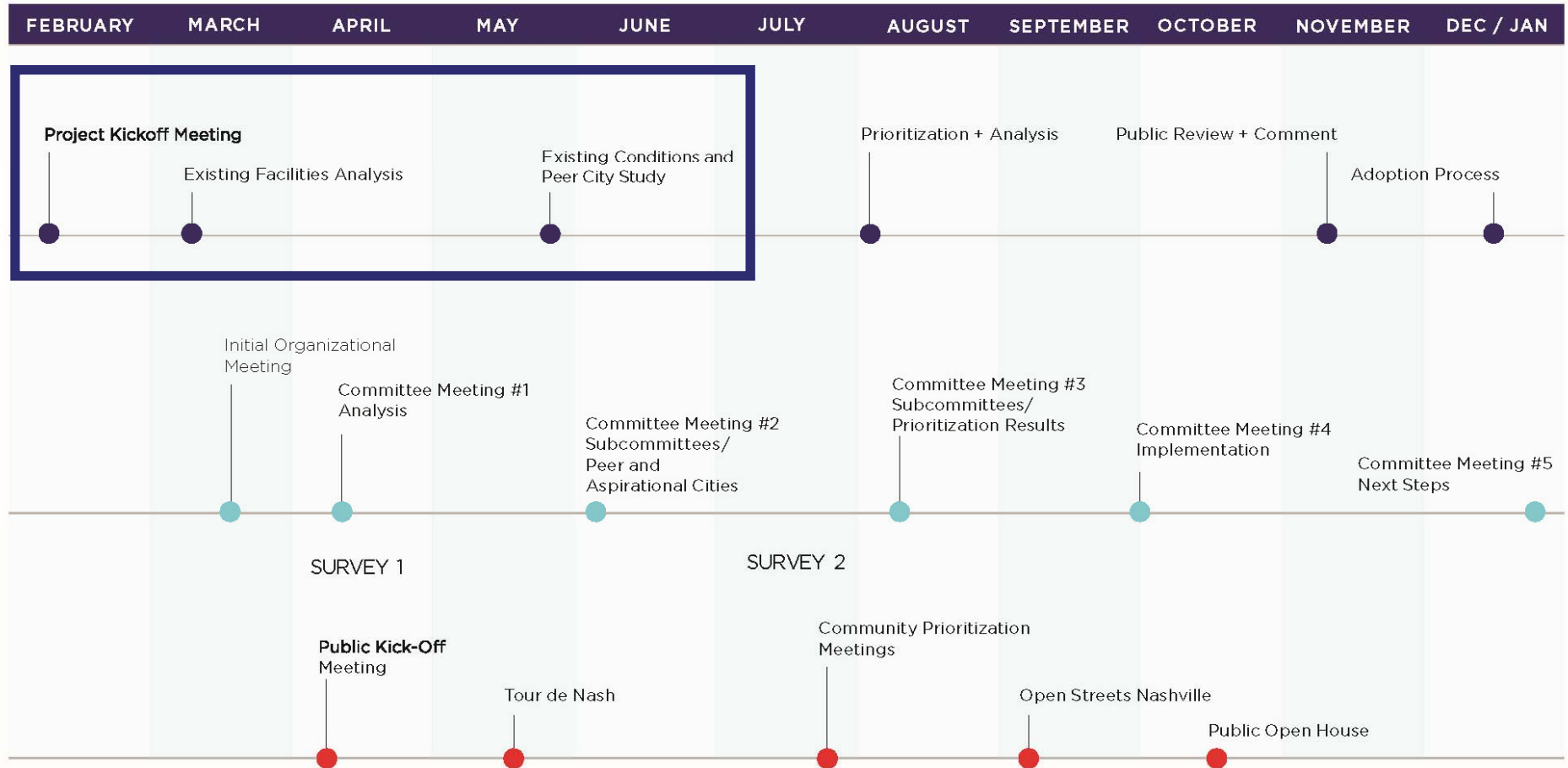
Safety – Walking and biking will be a safe and comfortable activity for everyone. Metro, with our partners, will continue progressing towards its goal of zero traffic fatalities and strive to minimize safety concerns for current and prospective users.

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



PROJECT SCHEDULE

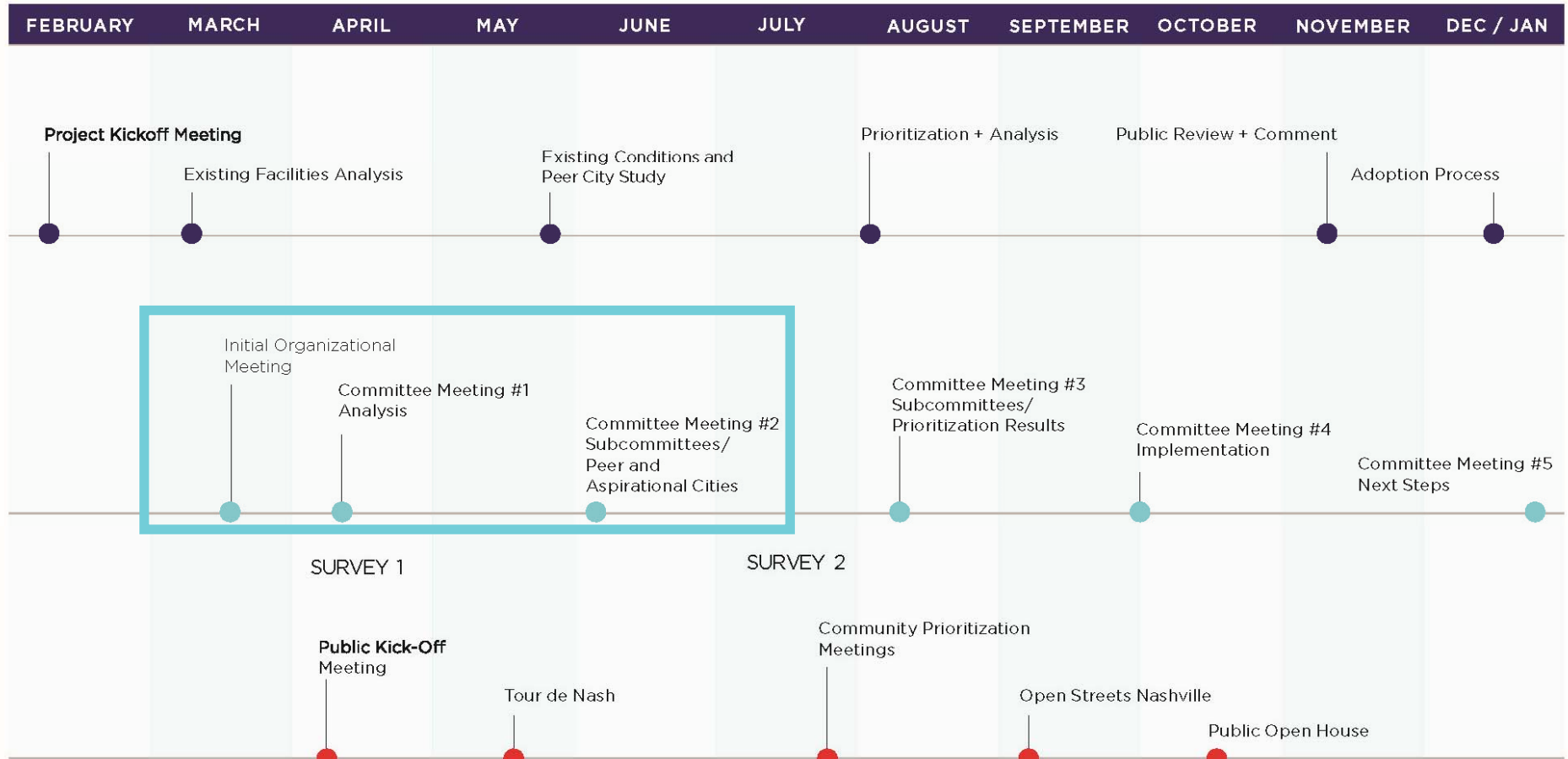
- GENERAL
- STEERING COMMITTEE
- PUBLIC OUTREACH



**Metro-Nashville
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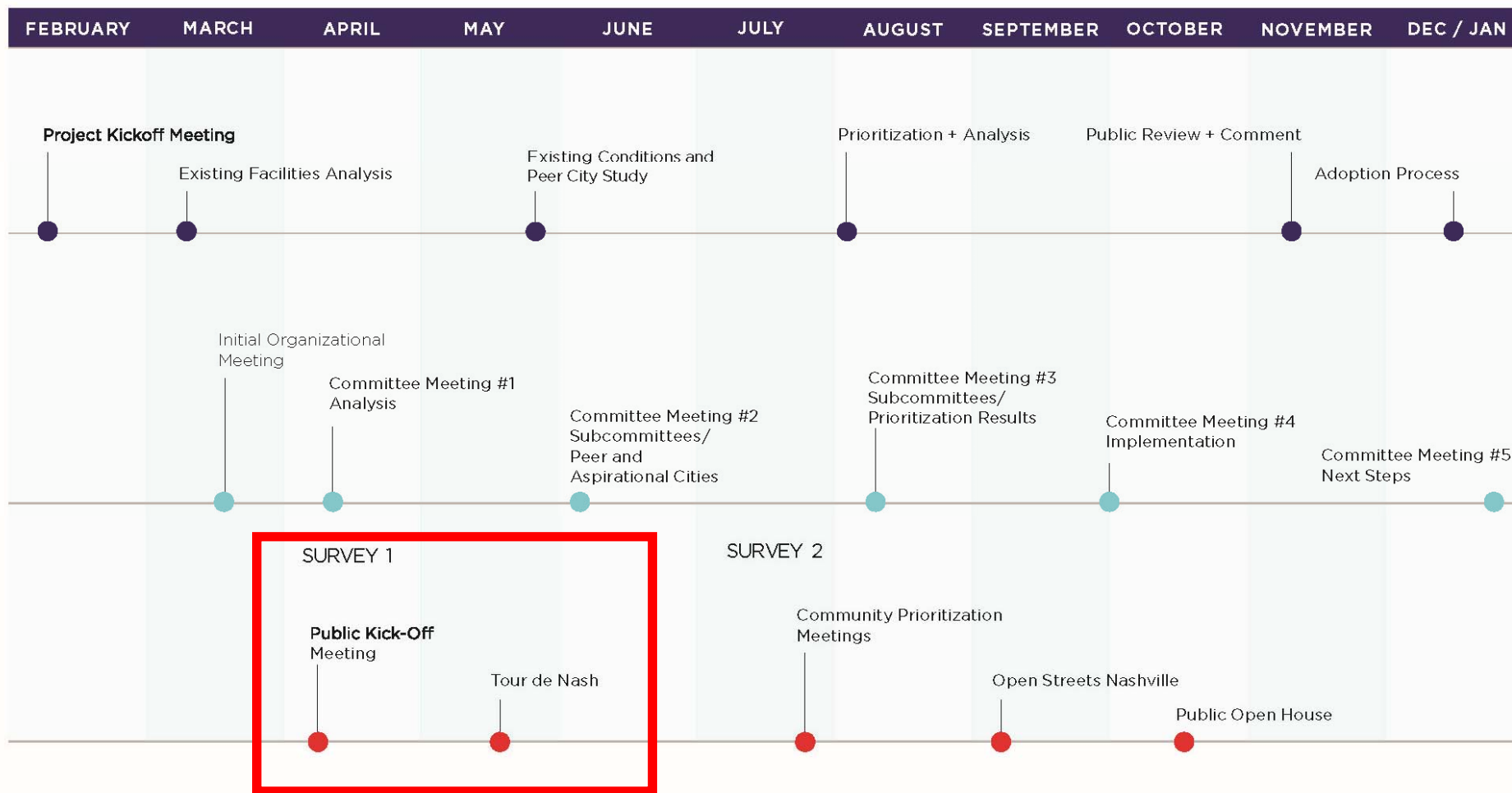
PROJECT SCHEDULE

- GENERAL
- STEERING COMMITTEE
- PUBLIC OUTREACH



PROJECT SCHEDULE

- GENERAL
- STEERING COMMITTEE
- PUBLIC OUTREACH



First Draft Deliverable

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PEER CITY AND ASPIRATIONAL CITY REVIEW

NASHVILLE, TENNESSEE



DRAFT Peer City and Aspirational City Report

"A world-class multi-modal transportation system is essential to a vibrant city and a better quality of life."

– Mayor Berry

This peer and aspirational city report was compiled as a resource for Nashville as it develops the 2016 WalknBike Plan. Nashville's record of high quality design, progressive planning and meaningful civic participation prompted the selection of peer and aspirational review cities that have remarkable records of their own with regard to sidewalk and bikeway infrastructure and programming.

TABLE OF CONTENTS

Introduction	1
Selection Methods	4
Descriptions	4
General Trends & Overarching Themes	6
Dedicated Bicycle and Pedestrian Staffing	8
Funding	9
Pedestrian Planning	15
Bikeway Planning + Inventory	16
Innovative or Transformative Projects	18
Prioritization Methodology	28
New Sidewalk Prioritization Methodology	30
Bikeway Prioritization	34
Conveying Prioritization Process to the Public	36
Policy & Enforcement	38
Sidewalk Maintenance	40
Bikeway Maintenance	41
Sidewalk Requirements for New Development	42
Bikeway Requirements for New Development	43
Access During Construction	45
Outreach & Education	48
Pedestrian/Bikeway Advisory Council	50
Local Nonprofits and Advocacy Groups	51
Program Implementation	51
Bike Share	52
Bike & Pedestrian Programs	53
Vision Zero Commitments	56
Design Practices	58
Bikeway Implementation	61
Design and Construction Forces	62
Complete Streets	63
Tactical Urbanism	64
Appendix	X

Coming Soon

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STATE OF PRACTICE REPORT

(EXISTING CONDITIONS)

NASHVILLE, TENNESSEE



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Upcoming Tasks and Deliverables

- Bicycle and Pedestrian Crash Analysis
- Bicycle and Pedestrian Suitability Index (Supply and Demand models)
- Policy review/analysis



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Public Outreach To-Date



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Community Outreach Strategy

Outreach Tools

Project Website

Community Survey

Interactive Map

Handlebar and
Sidewalk Surveys

Social Media

Traditional Media

Community Meetings

Kickoff Meeting

Local Meetings &
WalknBike Talks

Prioritization Meetings

Open House

Community Events

Tour de Nash

Open Streets Nashville

Kickoff Meeting at Library



Kickoff Meeting at Library



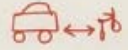
Kickoff Meeting at Library

I WOULD BIKE MORE IF ...

Nashville had less hills! ☺

There were more direct routes to where I need to go

I agree
* if there was a safe way to bike from downtown
to Smc Nashville if these bike lanes were swept!

Cars respected the 3' gap  and respected actually yielded to bicyclists (and pedestrians) in crosswalks

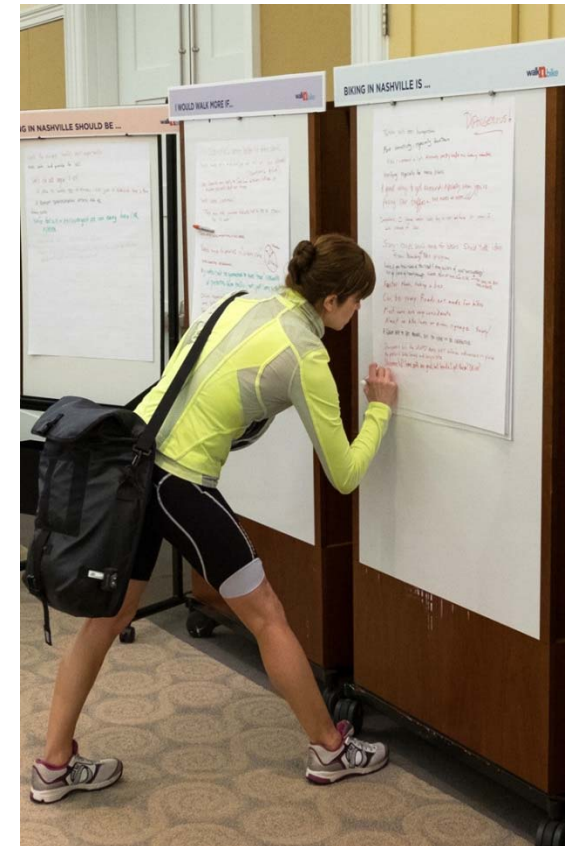
Speed was reduced
if my friends & family also biked more.

If there were more distinct bike lines - the shared roadways are scary!

People weren't texting & driving - hand held devices ^{People with} while driving should be fined!!

... Nashville doesn't actually have a ... yes

* respect for pedestrians + bikers. public info.



Kickoff Meeting Public Statements

WALKING IN NASHVILLE IS ...

walk**n**bike

WALKING IN NASHVILLE SHOULD BE ...

walk**n**bike

BIKING IN NASHVILLE IS ...

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BIKING IN NASHVILLE SHOULD BE ...

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I WOULD BIKE MORE IF ...

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I WOULD WALK MORE IF...

walk**n**bike

PROJECTS SHOULD BE PRIORITIZED BY...

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Kickoff Meeting Public Statements

- I would walk/bike more if...
 - *Better connectivity of great existing bike and pedestrian facilities*
 - *Drivers were more respectful and aware of bicyclists and pedestrians*
- Biking and walking should be....
 - *Protected, safe, fun, respected, inviting, encouraged, easy, accessible for all*

Tour de Nash



walk  bike

NASHVILLE, MAKE BIKING
BETTER BY:

CLOSE some ROADS
TO PROMOTE
BIKING/BIKING

FROM: KAMEL

walk  bike

NASHVILLE, MAKE WALKING
BETTER BY...

Adding More
Sidewalks to More
Neighborhoods

FROM: Brent

Metro Coordination



Monthly project team meetings

Combine resources and leverage outreach
to avoid “meeting fatigue”

Project Website

www.nashvillewalknbike.com



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[Testimonials](#)

[Contact Us](#)

NASHVILLE-DAVIDSON COUNTY STRATEGIC PLAN FOR SIDEWALKS & BIKEWAYS



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Draw on the Map!

www.nashvillewalknbike.com



NASHVILLE-DAVIDSON COUNTY STRATEGIC PLAN FOR SIDEWALKS AND BIKEWAYS

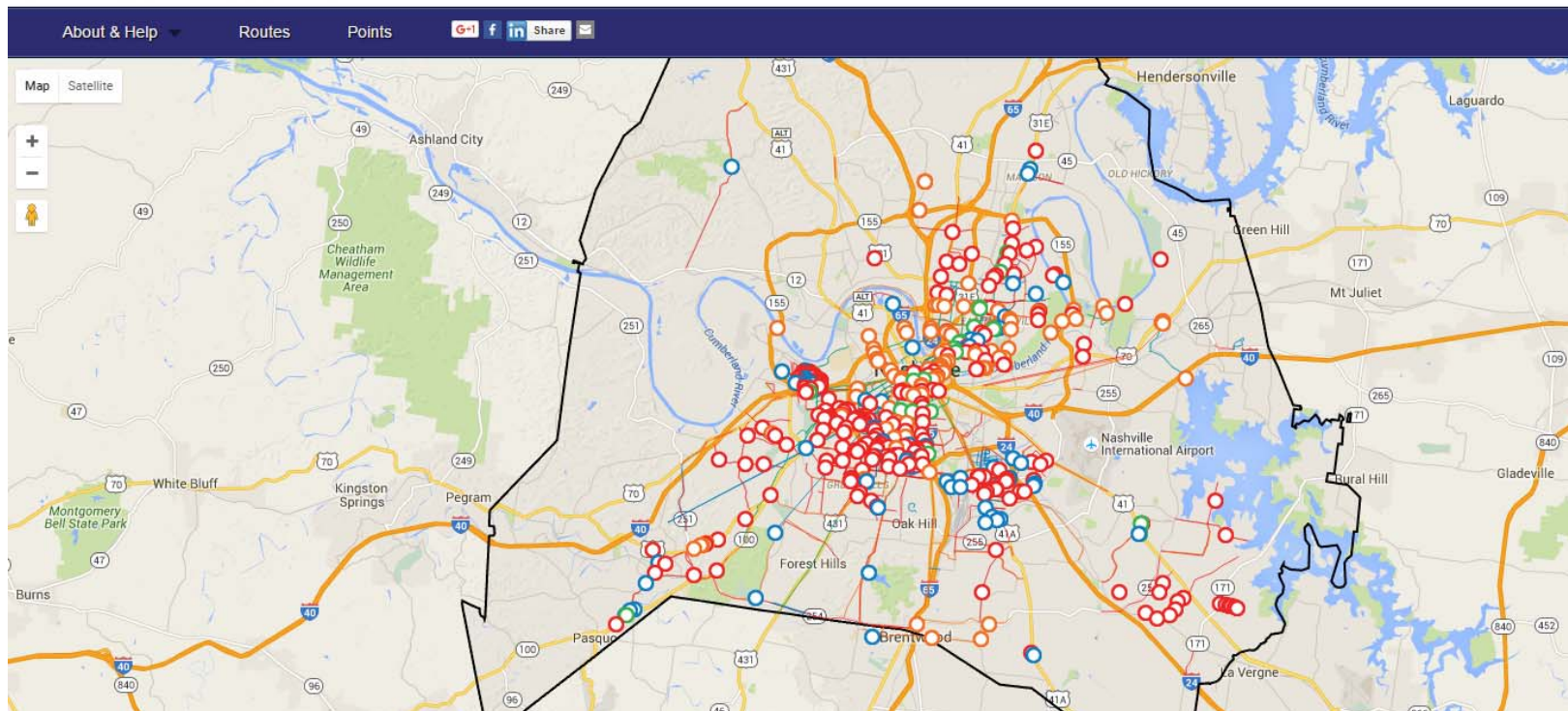
Please use the map below to DRAW ROUTES
and PLACE POINTS to share your thoughts
about walking and biking in Nashville-Davidson County.

ROUTES

- Route I like and currently use as a pedestrian
- Route I like and currently use as a bicyclist
- Route that could be improved for pedestrians
- Route that could be improved for bicyclists

POINTS

- Destination
- Bicycle parking need
- Barrier to walking
(ex: no sidewalk or sidewalk gap)
- Barrier to bicycling
(ex: bike lane ends or needs maintenance)



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1798 Survey Responses!



WalkNBike - 2016 Strategic Plan for Sidewalks and Bikeways Update

Walking in Nashville

PLEASE TELL US ABOUT WALKING IN NASHVILLE AND DAVIDSON COUNTY

1. What is your opinion of the following statement: "In Nashville, walking is a safe, convenient, and practical way to get from one place to another"

- ☐ Agree
- ☐ Disagree
- ☐ No Opinion

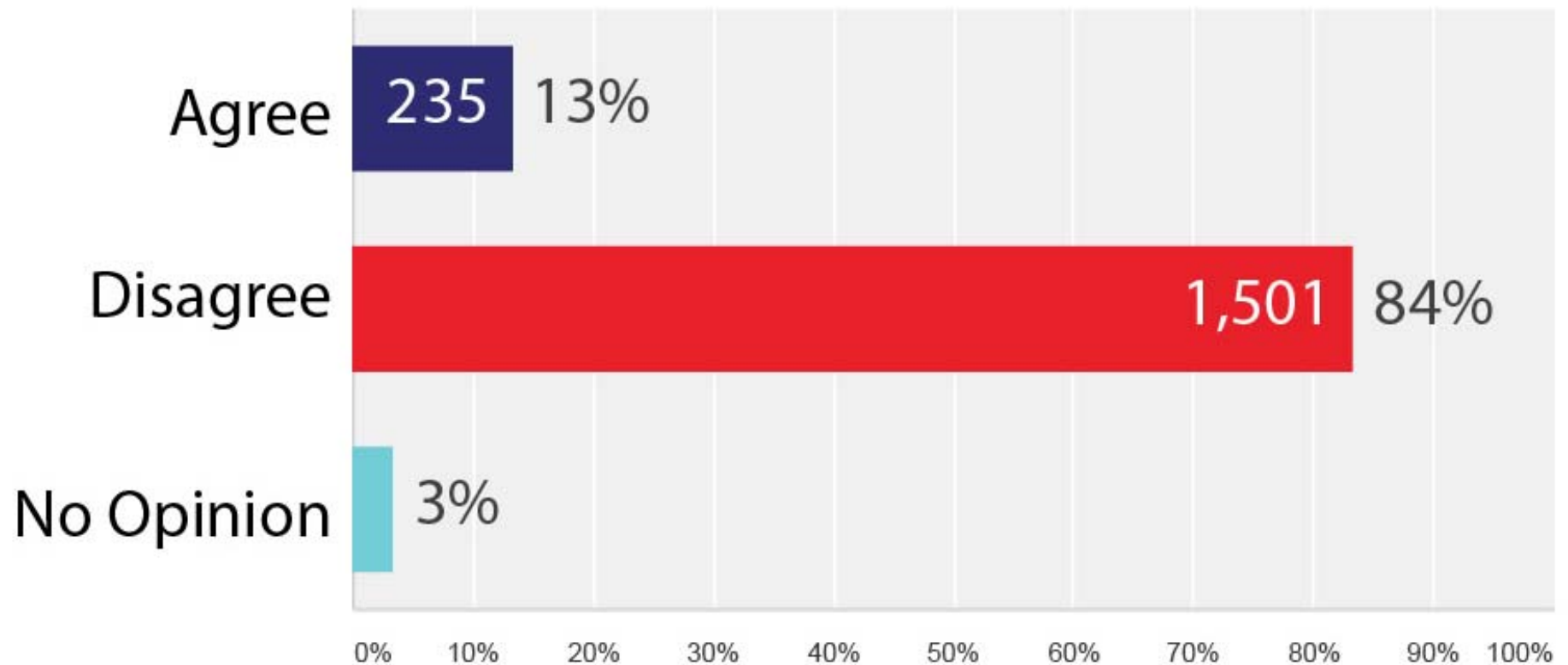
2. What prevents you from walking more often? Please choose up to five.

- ☐ Insufficient lighting
- ☐ Roads and sidewalks do not feel safe
- ☐ Not enough time/destinations are too far
- ☐ Disability/other health impairment

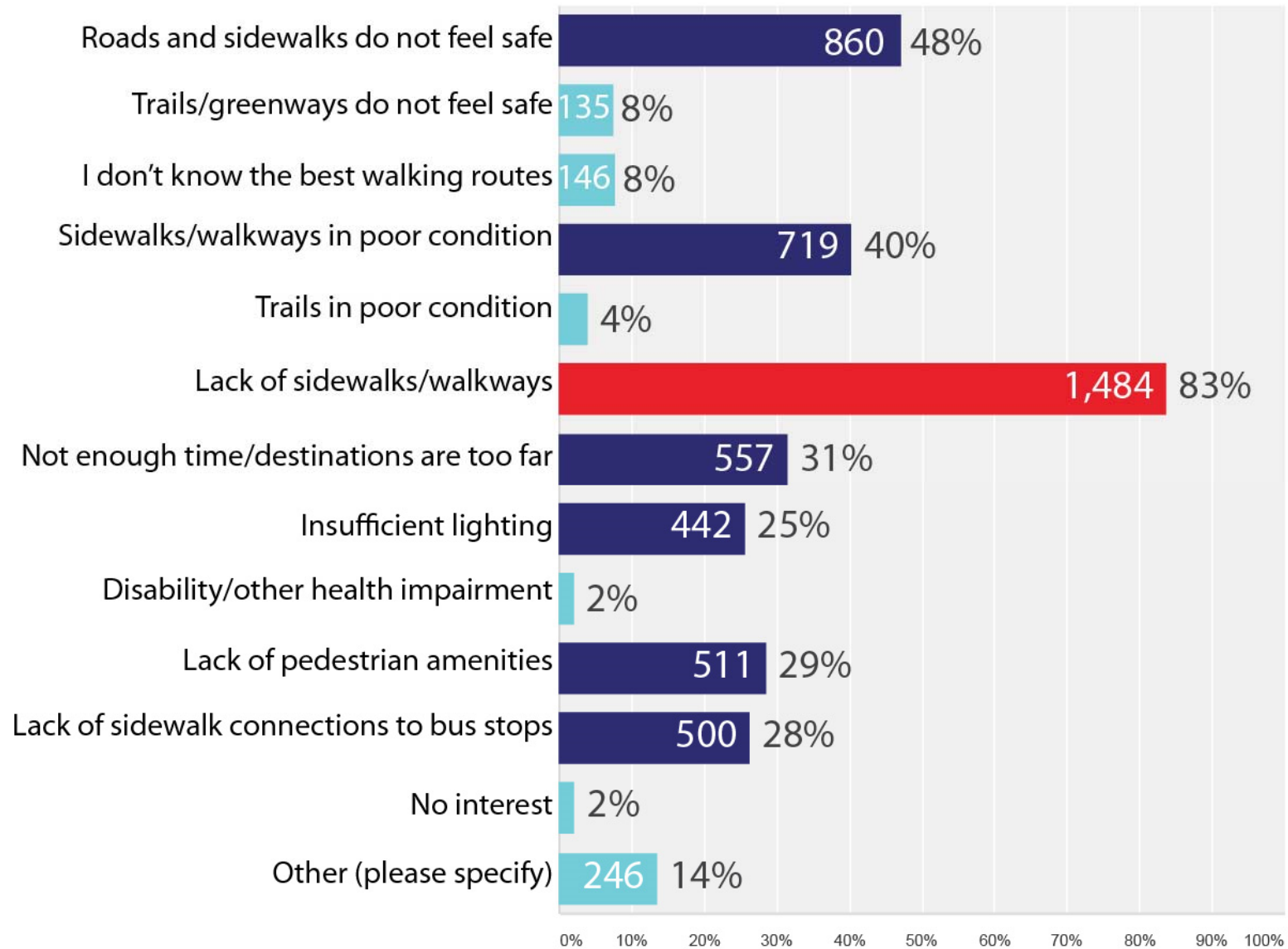


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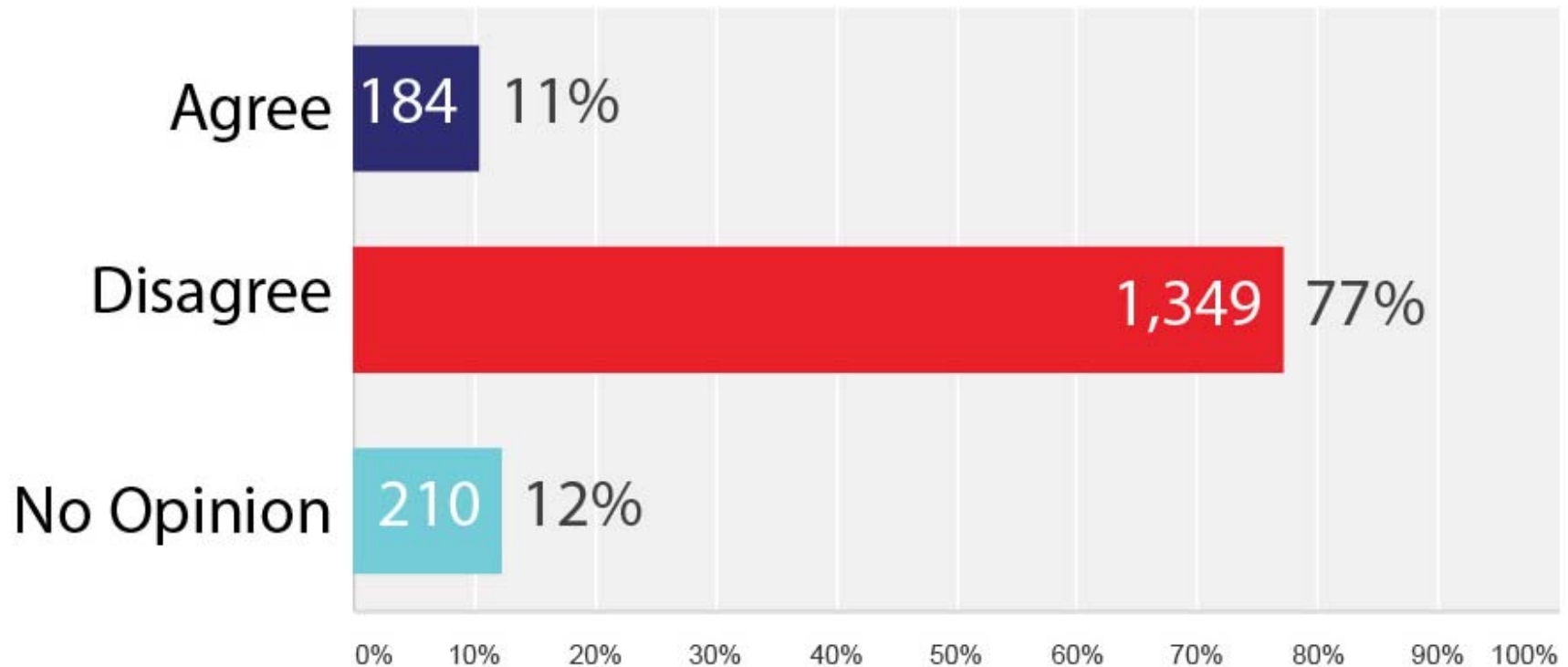
“In Nashville, walking is a safe, convenient, and practical way to get from one place to another”



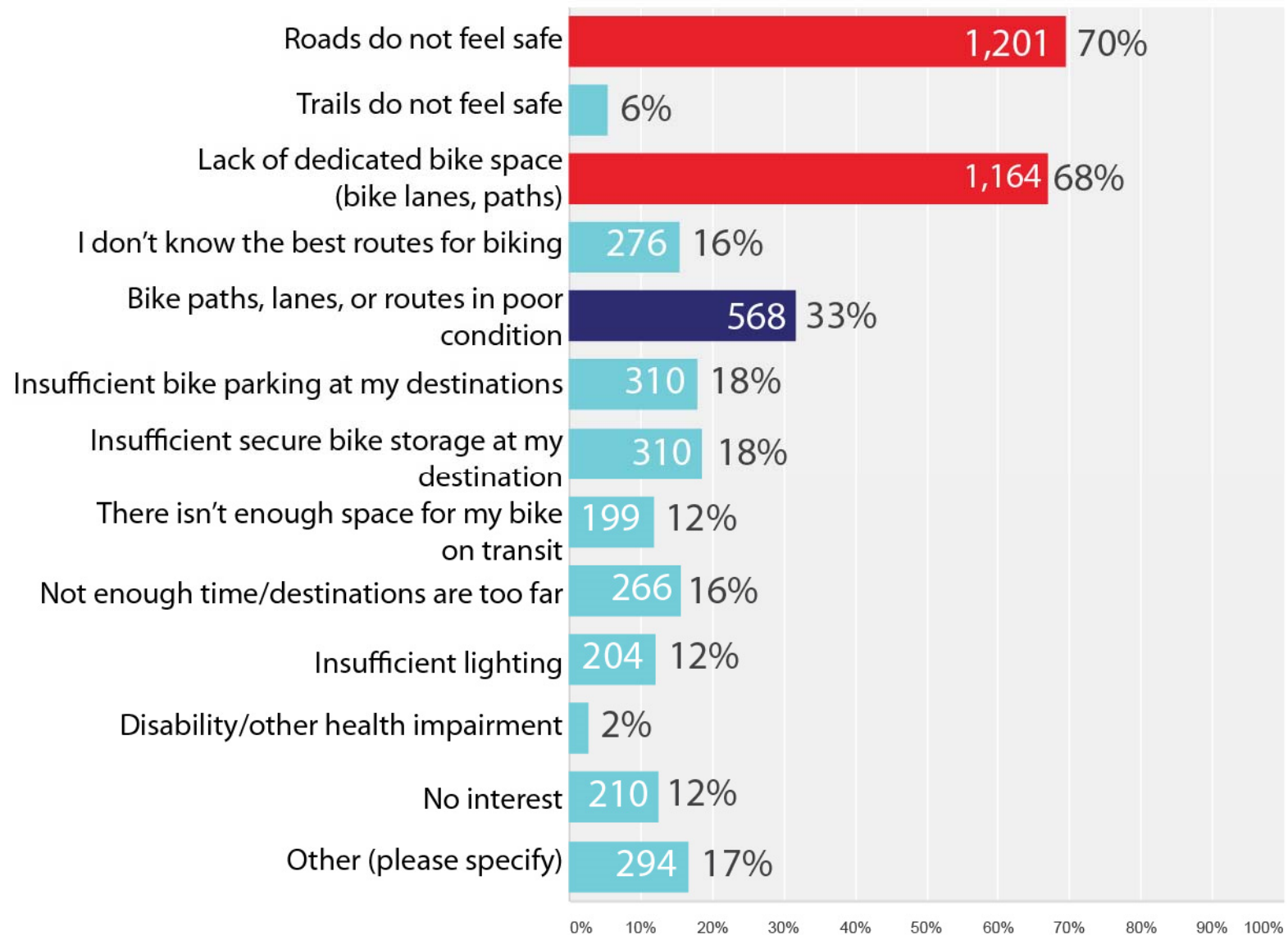
What prevents you from walking more often?



“In Nashville, biking is a safe, convenient, and practical way to get from one place to another”



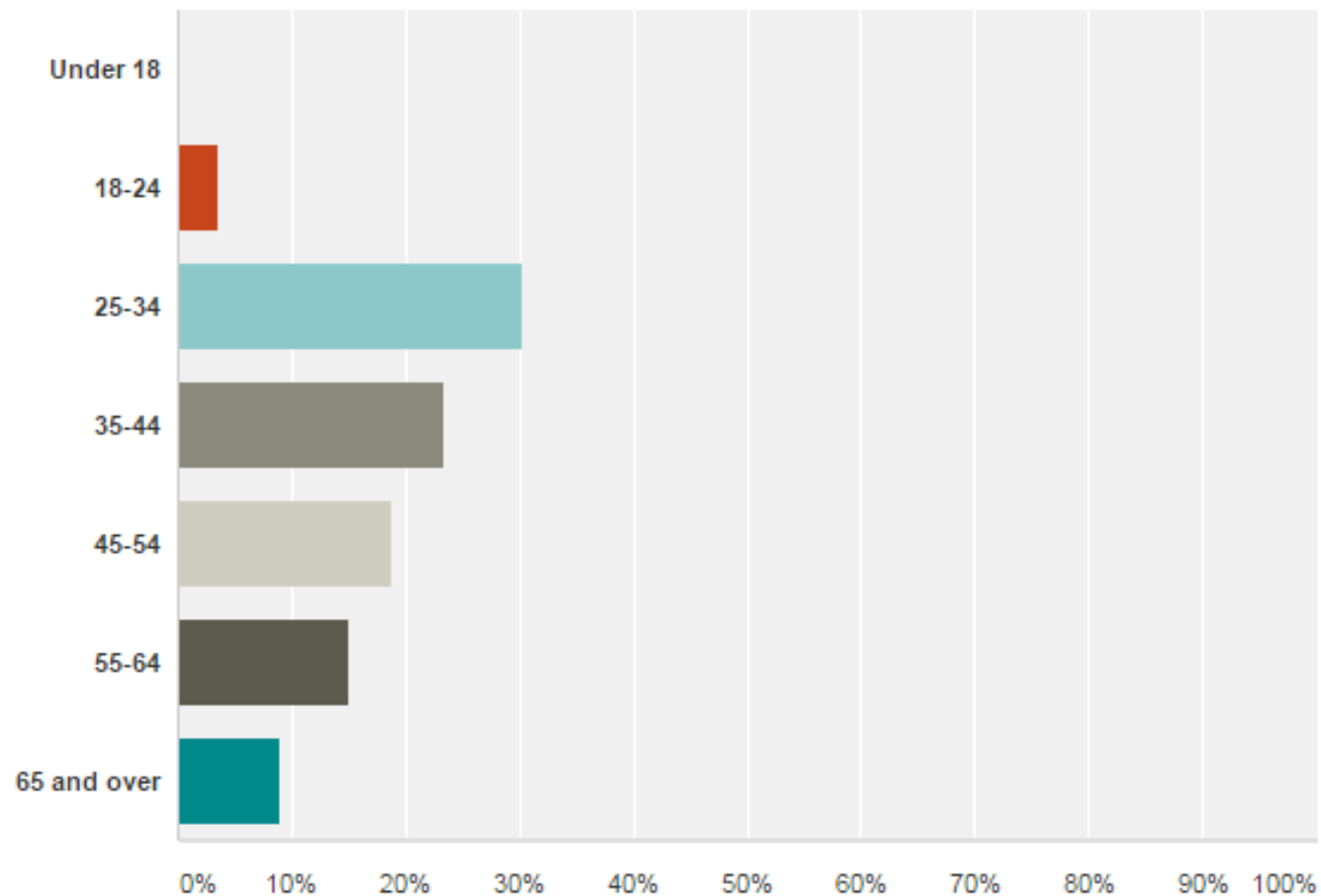
What prevents you from biking more often?



Demographic Response

What age group are you in?

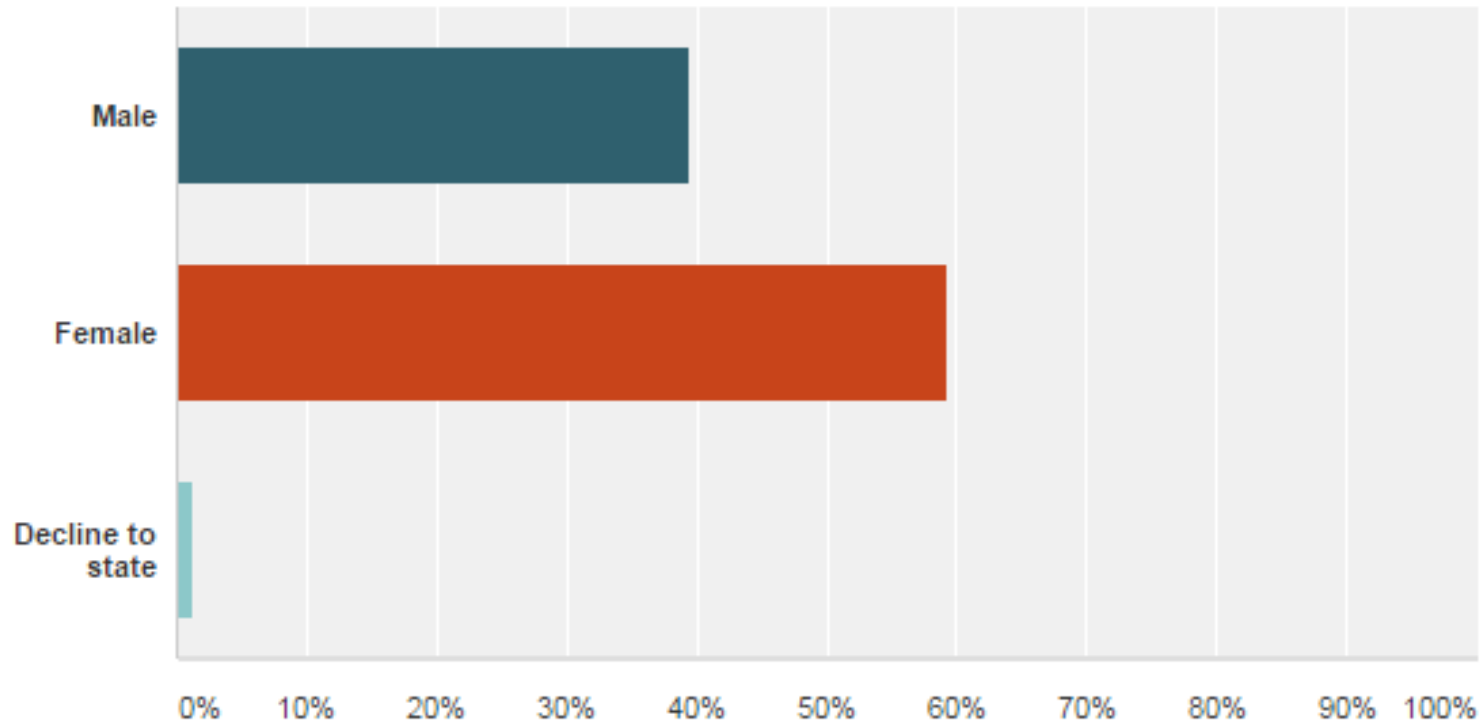
Answered: 1,733 Skipped: 66



Demographic Response

With which gender do you identify?

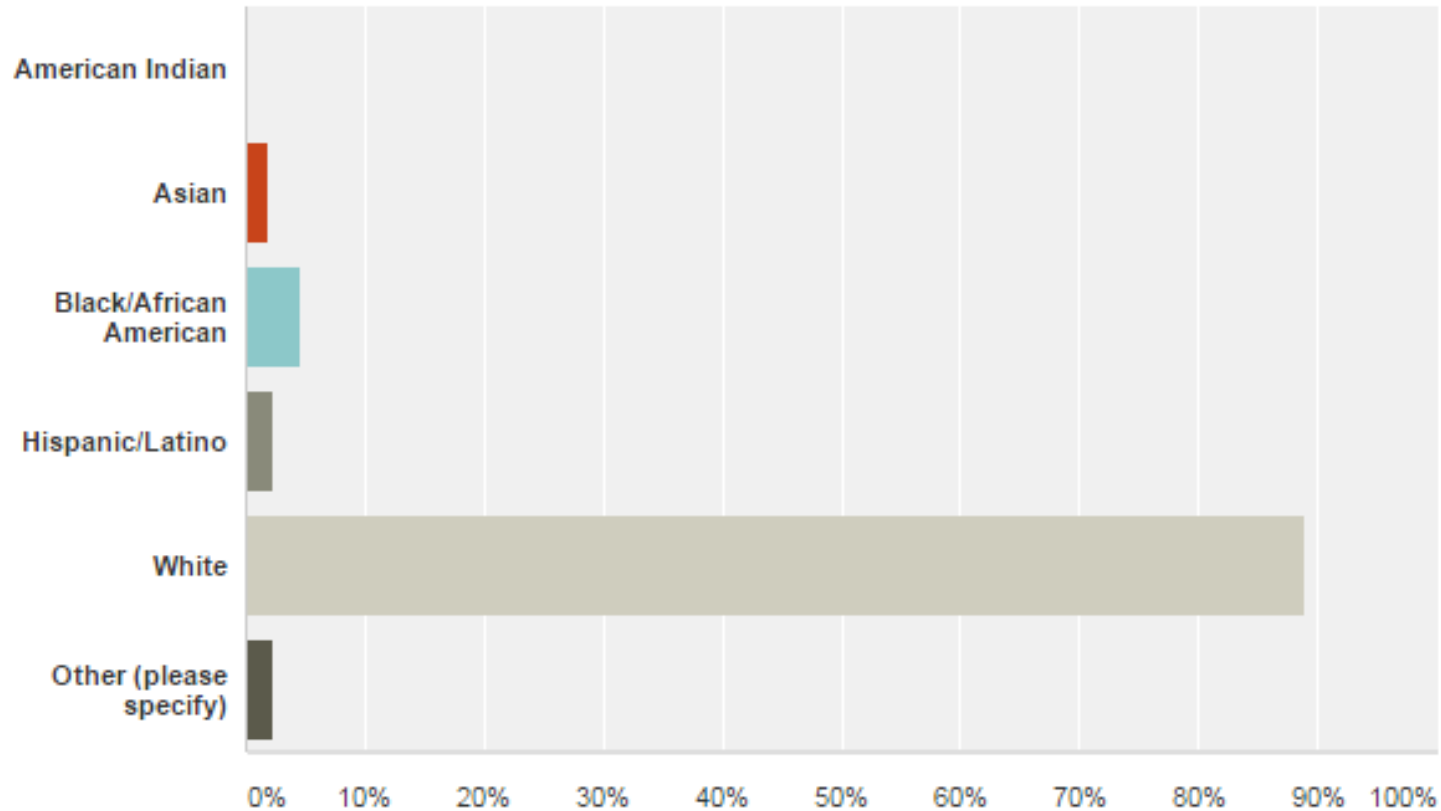
Answered: 1,731 Skipped: 68



Demographic Response

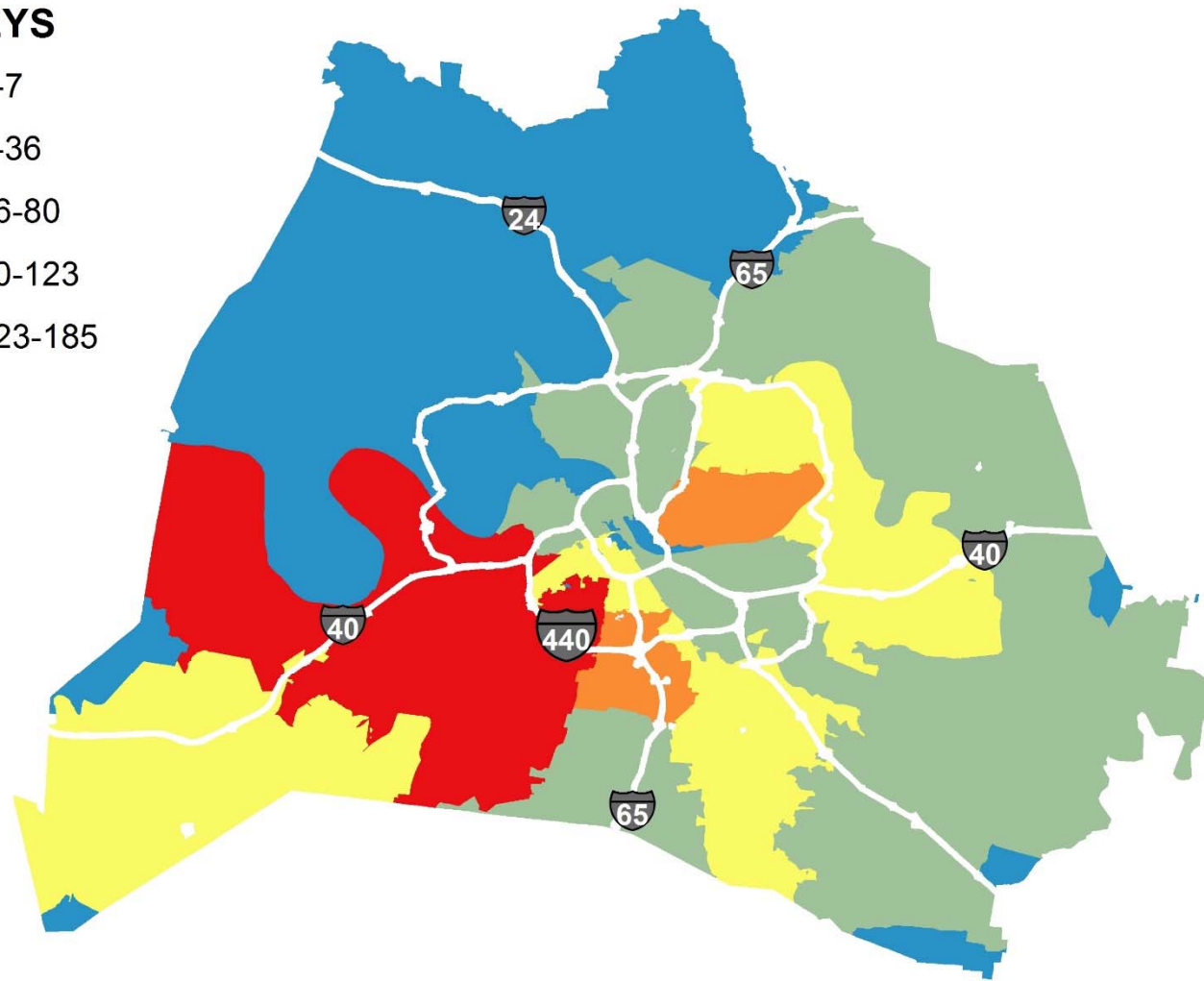
What is your ethnic background?

Answered: 1,714 Skipped: 85



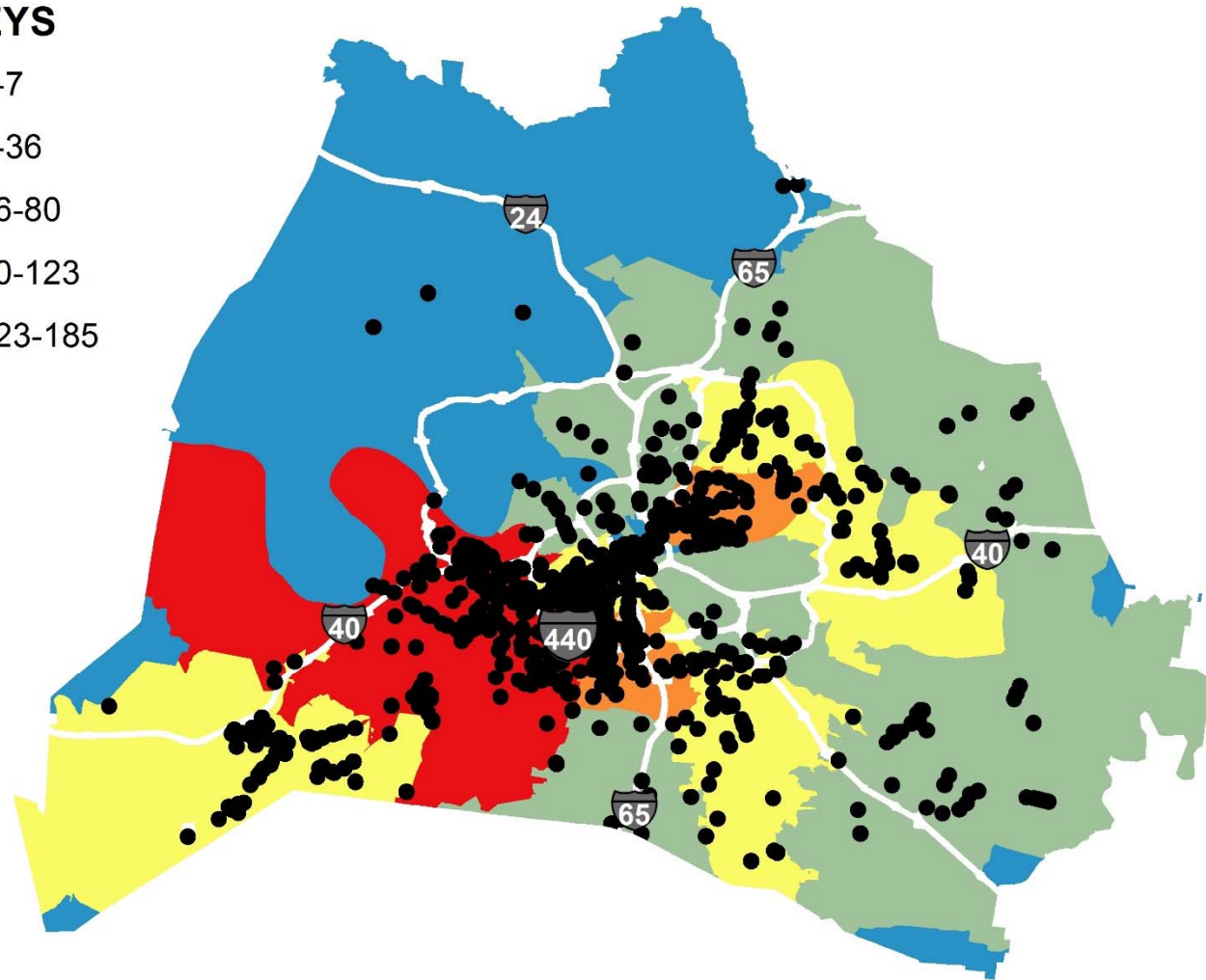
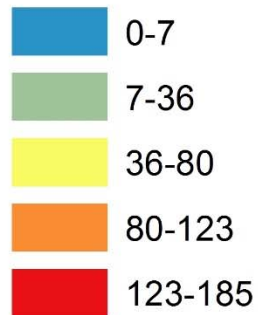
Geographic Response by Zipcode (Survey)

SURVEYS



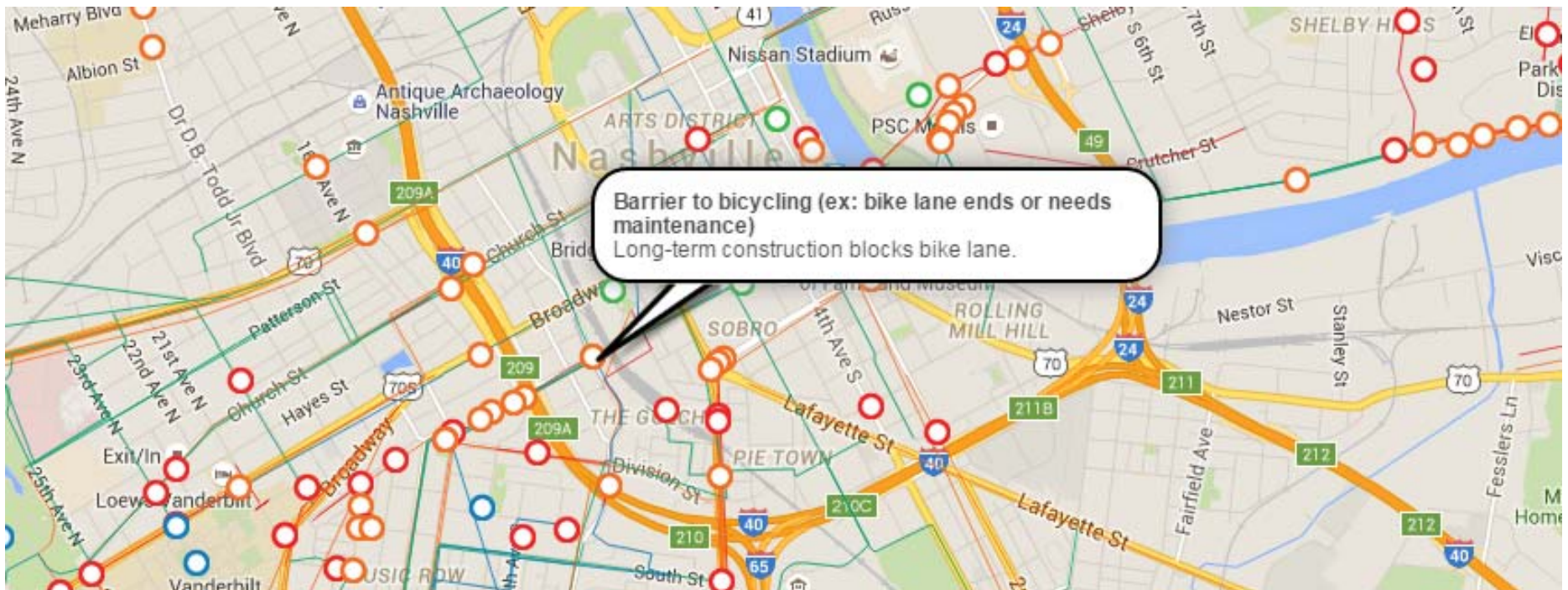
Geographic Response by Zipcode (Survey) + Interactive Map Points

SURVEYS



Interactive Map Comments To-Date

3,599 points, lines, and comments



Next Steps for Public Engagement

- June 21st: Conexion Summer Solstice at Casa Azafran
 - Joint effort between nMotion, Plan to Play & WalknBike
- Next round of surveys in June/July
 - Prioritization Methodology
- Prioritization Methodology Workshops
 - Across Metro in July/August
- Other Outreach & Education Subcommittee Ideas?

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Peer and Aspirational City Report Overview



Metro-Nashville
Public Works
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Peer & Aspirational Cities



General Descriptions

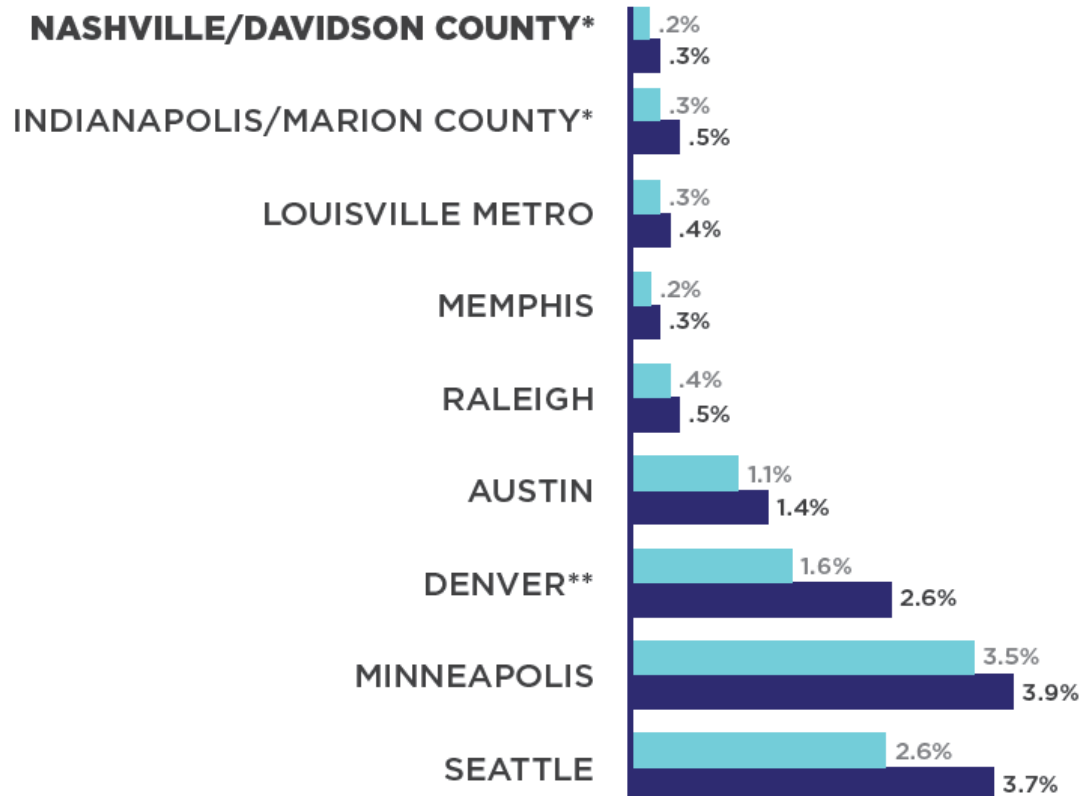
Descriptions

	City	2014 population	2010 population	2010-2014 population growth	Area (sq. miles)	Density (per sq. mile)	BFC Designation	Consolidated Gov't?
	Nashville	644,014	601,222	7.12%	475.1	1,265i	Bronze	Yes
Peer	Indianapolis	848,788	820,445	3.45%	361.4	2,270	Bronze	Yes
	Louisville	612,780	597,337	2.59%	325.2	1,837	Silver	Yes
	Memphis	656,861	646,889	1.54%	315.1	2,053	Bronze	No
	Raleigh	439,896	403,892	8.91%	142.9	2,826	Bronze	No
Aspirational	Austin	912,791	790,390	15.49%	322.5	2,653	Gold	No
	Denver	663,862	600,158	10.61%	153.0	3,923	Silver	Yes
	Minneapolis	407,207	382,578	6.44%	54.0	7,088	Gold	No
	Seattle	668,342	608,660	9.81%	83.9	7,251	Gold	No

Bicycle Commute Share

BICYCLE COMMUTE SHARE

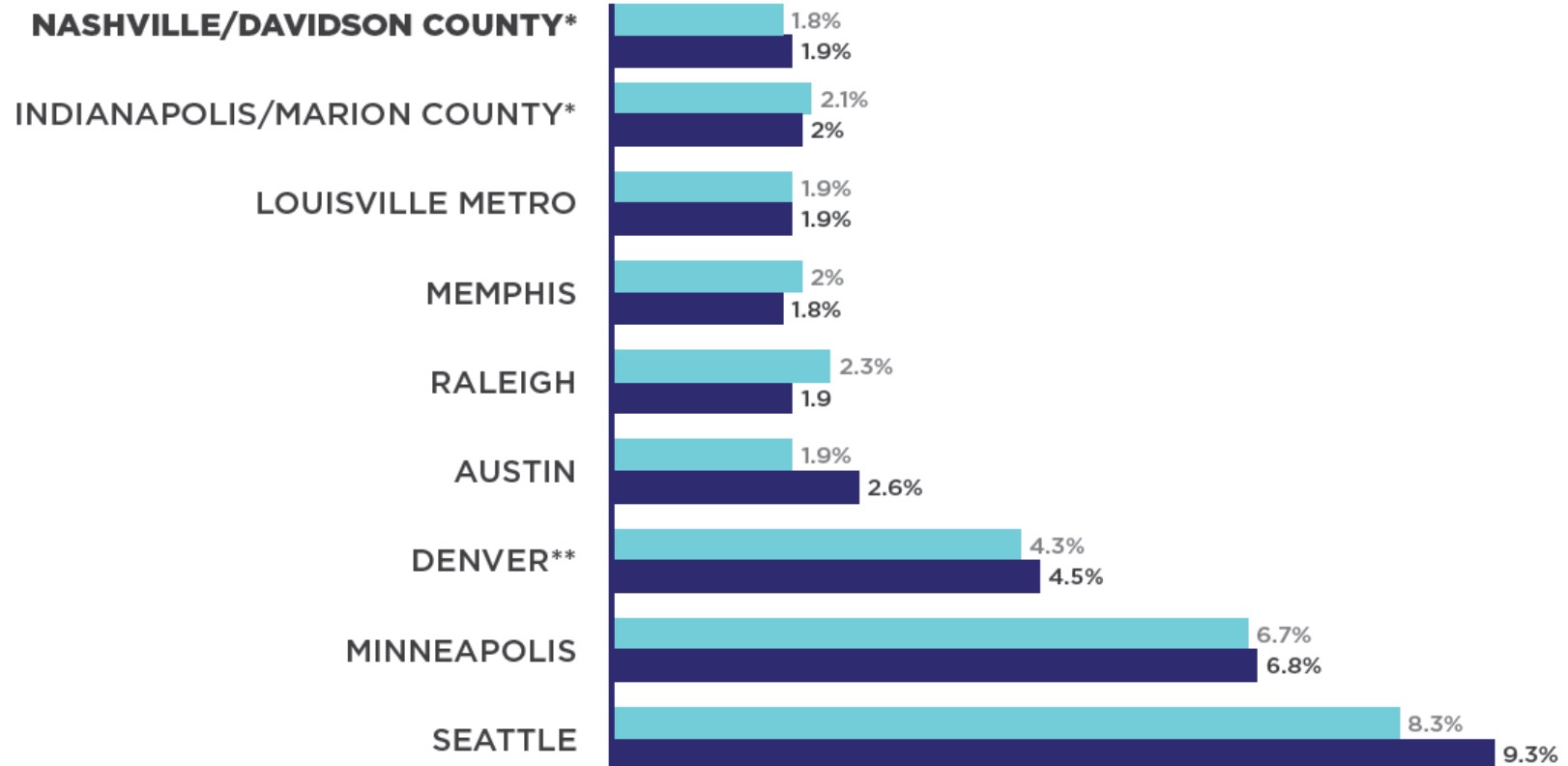
2005-2009 2010-2014



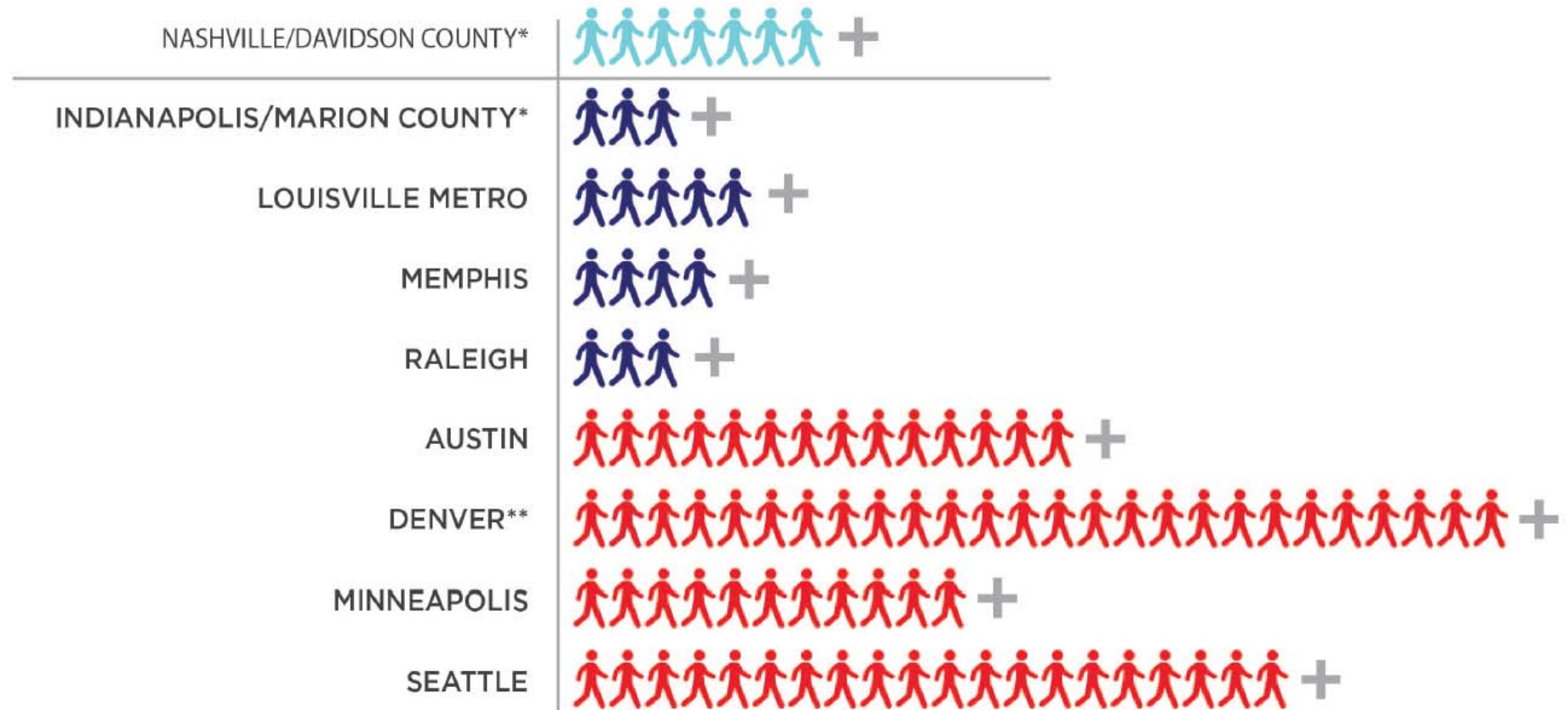
Walk Commute Share

WALK COMMUTE SHARE

2005-2009 2010-2014



Dedicated Staffing



Funding Sources

Federal	State	Local/Regional	Private
Congestion Mitigation and Air Quality (CMAQ) Improvement Program	State Bicycle and Pedestrian Grants	Business Improvement District Funds	Developers
Highway Safety Improvement Program (HSIP)	State Multi-modal Funds	General Obligation Bonds	Hospitals
Surface Transportation Program	State Safe Routes to School Funds	Local Capital Improvement Programs	Philanthropy
Transportation Investment Generating Economic Recovery (TIGER) Discretionary Grant Program		Regional Bicycle and Pedestrian Program Funds	Universities
Transportation Alternatives Program (TAP)		Tax Increment Financing (TIF)	
Federal Transit Agency (FTA) Grants		Unspecified City Funds	
		Voter-approved Sales Taxes or Other Levies	
		Transit Agency Funding (Operating)	
		Speeding Infraction Revenue	

Pedestrian Planning Efforts

	City	Name of Plan	Year
	Nashville	WalknBike Strategic Plan	2008*
Peer	Indianapolis	Marion County/Indianapolis Pedestrian Plan	2016
	Louisville	Louisville Pedestrian Master Plan	2010
	Memphis	Memphis Pedestrian and School Safety Action Plan	2015
	Raleigh	Raleigh Comprehensive Pedestrian Master Plan	2012
Aspirational	Austin	Sidewalk Master Plan	2009
	Denver	City and County of Denver Pedestrian Master Plan	2004*
	Minneapolis	Minneapolis Pedestrian Master Plan	2009
	Seattle	Seattle Pedestrian Master Plan	2009*

**Plan update currently underway*

Bikeway Planning Efforts

	City	Name of Plan	Year
	Nashville	WalknBike Strategic Plan	2008, with 2016 Update Underway
Peer	Indianapolis	Marion County/Indianapolis Bicycle Plan	2012, with 2016 Planned Update
	Louisville	Louisville Bike Master Plan	2010, with 2016 Planned Update
	Memphis	No city plan; Memphis MPO Regional Bicycle & Pedestrian Plan	2014
	Raleigh	BikeRaleigh Plan Update	2016
Aspirational	Austin	Austin Bicycle Master Plan	2014
	Denver	Denver Moves	2011
	Minneapolis	Minneapolis Bicycle Master Plan	2011, with 2015 Protected Bikeway Update
	Seattle	Seattle Bicycle Master Plan	2014, with 2017 Update Planned

Bikeway Maintenance

		City	Standalone Sweeping Activities	Included in Roadway Sweeping - not prioritized	Separated Bikeway Equipment
		Nashville		x	
Peer		Indianapolis	x		x
		Louisville	x		x
		Memphis		x	
		Raleigh		x	
Aspirational		Austin		x	
		Denver	x	x	
		Minneapolis	x	x	x
		Seattle	x	x	x

BPAC

	City	Pedestrian Advisory Council?	Meeting Frequency	Sub-committees	Bikeway Advisory Council?	Meeting Frequency	Sub-committees
	Nashville	Combined Bike/Ped	Every other month		Combined Bike/Ped	Every other month	Infrastructure subcommittee
Peer	Indianapolis	No (currently considering starting one)	N/A	N/A	Yes	Monthly	
	Louisville	No	N/A	N/A	No	N/A	N/A
	Memphis	No	N/A	N/A	No	N/A	N/A
	Raleigh	Combined Bike/Ped	Monthly	Pedestrian Planning; Bicycle Planning; Community Outreach; Joint Bicycle & Pedestrian Planning	Combined Bike/Ped	Monthly	
Aspirational	Austin	Yes	Monthly		Yes	Monthly	
	Denver	Yes	Monthly		Yes	Monthly	
	Minneapolis	Yes	Monthly	Infrastructure & Engineering; Programs & Policies	Yes	Monthly	Education, Encouragement, Enforcement, Equity, and Evaluation Subcommittee (5E's); Engineering Subcommittee
	Seattle	Yes	Monthly		Yes	Monthly	

Program Efforts

	City	Local Advocacy Group
Peer	Nashville	Walk Bike Nashville
	Indianapolis	IndyCOG, Walk Urban Indy
	Louisville	B4L (Bicycling for Louisville)
	Memphis	Memphis Hightailers
	Raleigh	Oaks & Spokes
Aspirational	Austin	Bike Austin, Walk Austin, Movability Austin, Austin Gets Around, Reconnect Austin
	Denver	Bike Denver, Walk Denver, Bikes & Beers, Trips for Kids Denver
	Minneapolis	Minneapolis Bicycle Coalition, Twin Cities Bike Advocates, Bike Walk Twin Cities, Transit for Livable Communities
	Seattle	Cascade Bicycle Club, Bike Works, Feet First, Undriving, Seattle Neighborhood Greenways

Program Implementation

	City	City Initiatives	Private Initiatives (Local Nonprofit or Advocacy)
Peer	Nashville		x
	Indianapolis		x
	Louisville	x	x
	Memphis		x
	Raleigh	x	x
Aspirational	Austin	x	x
	Denver	x	x
	Minneapolis	x	x
	Seattle	x	x

Bikeway Implementation

Types of Bikeway Projects



Resurfacing Projects

A significant portion of existing bikeway mileage have been developed across all cities through resurfacing programs. Repaving projects provide a clean slate for revising pavement markings and adding bicycle facilities.

Pro: Cost to add bikeways is absorbed into the annual state or local resurfacing budget

Con: Roadways are selected by pavement quality, not bikeway network connectivity.



Major Roadway Projects (Complete Streets)

Under the Complete Streets approach adopted by all of our peer and aspirational cities, every new roadway or major capital improvement project integrates traditional or separated bikeways.

Pro: Opportunity to gain extra width required for separated bikeways.

Con: Lengthy implementation timeline, often taking 1-2 years from concept to completion.

Bikeway Implementation



Standalone Bikeway Projects

Most cities have implemented standalone restriping projects where travel lanes are narrowed or removed to install bikeways.

Pro: Projects can be selected based on a prioritization methodology.

Con: Requires dedicated funding sources.



Grouped Bikeway Projects

Nashville, along with a couple peer cities including Raleigh and Memphis, have implemented a large batch of bikeway improvements as one project. Federal funding, in particular, is often easier and more efficient to spend in large amounts, which makes grouping projects useful.

Pro: Big impact to the bikeway network (Raleigh added 27 miles in one project).

Con: Public participation can be challenging across such a large demographic. Negative feedback on one section may derail an entire project.

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Subcommittee Structure



Metro-Nashville
Public Works
Improving the Quality of Life for Nashvillians and our Visitors

Steering Committee

Steering Committee Co-Chairs

Mary Beth Ikard – Transportation and Sustainability
Manager, Mayor Megan Barry

Mary Pat Teague – Associate Director, Community,
Neighborhood and Government Relations, Vanderbilt
University

Subcommittees

Outreach and Education

Tracy Buck

Laurel Creech

Faith Davenport

Elizabeth Smith

Amanda La Bonte

Leslie Meehan

John Drake

Debra Gibbs

Nora Kern

Metro Public Health, Prevention and Wellness Division

Metro General Services

“Stop, Take Notice” Hume-Fogg Academic Magnet High School

“Stop, Take Notice” Hume-Fogg Academic Magnet High School

Belmont University

Tennessee Dept. of Health

Metro Police

Belmont University; Council on Aging

Walk Bike Nashville

Subcommittees

Policy and Enforcement

Angie Henderson

Rickey Bearden

Dr. Stacy Dorris

Kristen Heggie

Michelle Lacewell

Mary Vavra

Peter Westerholm

Jessica Wilson

Metro Council

Metro Police

Vanderbilt Univ. School of Medicine; Walk Bike Nashville

Skanska

Nashville MPO

Lose & Associates; Transit Now Nashville

Nashville MPO/BPAC

Tennessee Dept. of Transportation

Subcommittees

Prioritization Methodology

Nora Kern

Rochelle Carpenter

Greg Claxton

Shain Dennison

Mike Gilliland

John Harkey

Cindy Harrison

Tom Turner

John Vick

Walk Bike Nashville

Nashville MPO

Metro Planning

Metro Parks and Recreation

Metro Police

Nashville BPAC; Healthy Nashville Leadership Council

Metro Parks and Recreation

Downtown Partnership

Metro Public Health

Subcommittees

Design Practices

John Gore

Adams Carroll
Felix Castrodad
Kenton Dickerson
Jerry Hall
Evan Pendygraft
David Proffitt
Jonathan Russell
Ron Yearwood

Barge Cauthon & Associates

Nashville MPO
Metro Transit Authority
Disability Coalition
Metro General Services
Belmont University
Metro Nashville Public Schools
Tennessee Dept. of Transportation
Nashville Civic Design Center

Subcommittee Process and Schedule

- Meeting Schedule
 - First Meeting: Today's Breakout Session
 - Public Notice Announcements
 - Summary Notes for Each Meeting
- Full WalknBike Committee Briefings
- Generate 2-3 Recommendations for:
 - Early Wins (Top Priority)
 - Mid-Term
 - Long-Term



Subcommittee Process and Schedule

PLAN DEVELOPMENT FLOWCHART

How the subcommittees will have direct input into the plan:

PART I: THE VISION

Introduction

Plan Development Process

Vision Statement & Principles

Measurable Goals

ALL
SUBCOMMITTEES

PART II: EXISTING CONDITIONS + PEER CITY

Existing Conditions Report

Peer and Aspirational City Information

Existing Conditions Analysis

ALL
SUBCOMMITTEES

PART III: RECOMMENDATIONS

The Pedestrian/Bicycle Network

Pedestrian/Bicycle Facility Design Toolbox

Programs

- Program Toolkit (Education & Encouragement)

- Program Toolkit (Enforcement)

Policies

DESIGN
PRACTICES

OUTREACH &
EDUCATION

POLICY &
ENFORCEMENT

PART IV: PRIORITIZATION & PROJECT DELIVERY

Existing Prioritization Methodology

New Prioritization Process

Phasing Plan & Project Delivery Process

PRIORITIZATION
METHODOLOGY

PART V: 5-YEAR ACTION PLAN

Strategic Approach

- Network Implementation Strategies:

- Priority Projects

- Spot Improvements

- Program and Policy Implementation Strategies

Funding Implementation

- Capital Costs & Maintenance Costs

Evaluation and Performance Measures

WORK BY
SUBCOMMITTEES FEEDS INTO
THE 5-YEAR ACTION PLAN;
DATA-DRIVEN
PRIORITIZATION
METHODOLOGY DETERMINES
PRIORITY INFRASTRUCTURE
PROJECTS

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Next Steps



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Public Works
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Next Steps

- Future Committee Meetings
 - Thursday, August 4th, 8:00am, Martin Center
 - Subcommittee Work
 - Prioritization Discussion
 - Tactical Urbanism & Design Innovation
 - October Meeting (Doodle poll)



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Public Comments



Metro-Nashville
Public Works
Improving the Quality of Life for Nashvillians and our Visitors

Contact Us!

PROJECT MANAGER:

Jason Radinger (Public Works)
WalknBike Project Manager,
Metro Bicycle & Pedestrian
Coordinator

EMAIL:

info@nashvillewalknbike.com

WEBSITE:

www.nashvillewalknbike.com



@NashWalknBike



#Nashvillewalknbike



facebook.com/
NashvilleWalknBike



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Subcommittee Breakout Session



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