

# Chapin, Swansea, & Batesburg-Leesville Bike and Pedestrian Master Plan



*Adopted by the Central Midlands Council of Government (CMCOG) in May 2019*

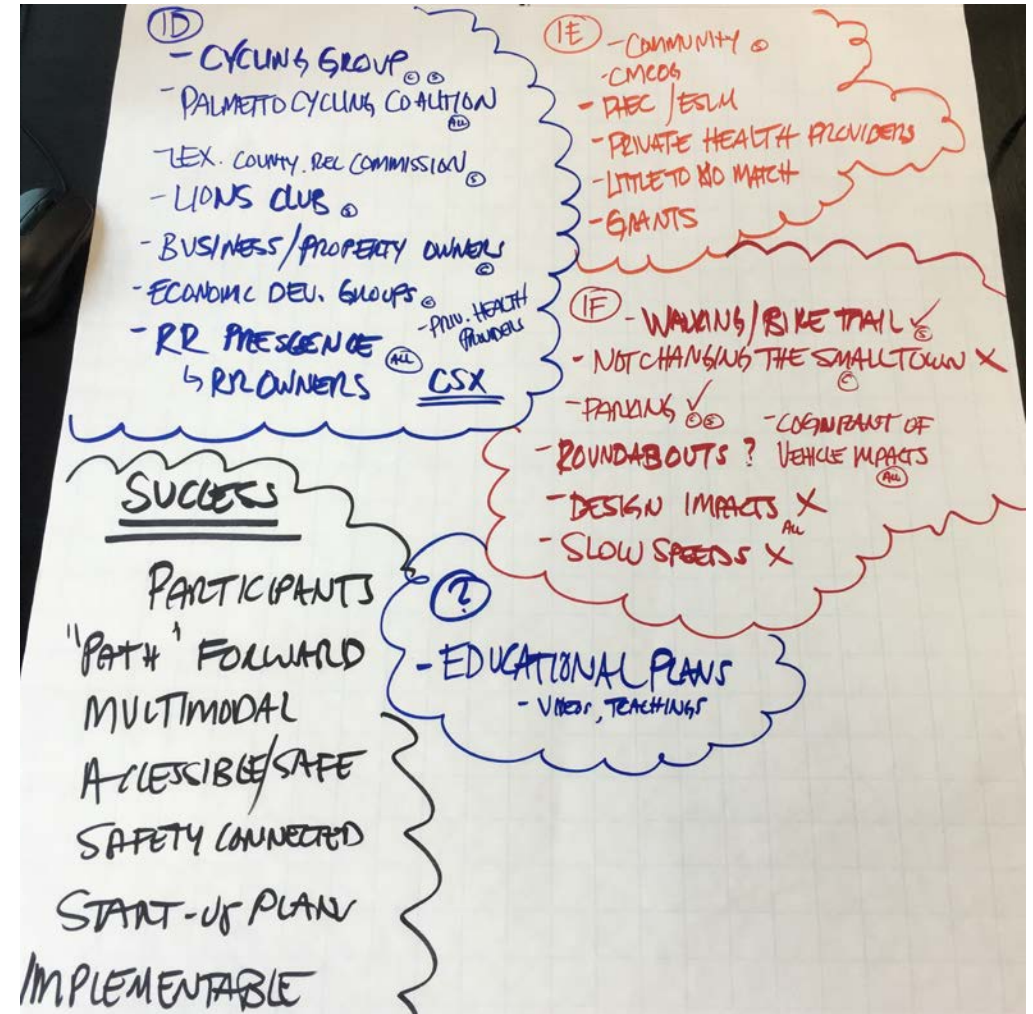
Town of Batesburg-Leesville Council Meeting  
February 24, 2020


# Introduction

# Goals and Objectives


## Purpose of the plan:

- Inventory of existing conditions
- Identify key community resources
- Encourage *active transportation*
- Illustrate a vision
- Funding
- Design Guidance
- Partnerships
- Guide investment





***Active transportation is walking,  
wheeling, bicycling, or any other human-  
powered travel between destinations.***



# One Plan – Three Towns

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- Process, analysis, and resources were developed for all communities.
- Each town received:
  - Specific recommendations
    - Infrastructure
    - Policy & programming
  - Customized success measures
  - A visionary catalyst project
  - Public outreach and stakeholder interviews

Plan Development

# BICYCLIST DESIGN USER PROFILES

## Interested but Concerned

**51%-56%** of the total population

Often not comfortable with bike lanes, may bike on sidewalks even if bike lanes are provided; prefer off-street or separated bicycle facilities or quiet or traffic-calmed residential roads. May not bike at all if bicycle facilities do not meet needs for perceived comfort.

## Somewhat Confident

**5-9%** of the total population

Generally prefer more separated facilities, but are comfortable riding in bicycle lanes or on paved shoulders if need be.

## Highly Confident

**4-7%** of the total population

Comfortable riding with traffic; will use roads without bike lanes.



**LOW STRESS  
TOLERANCE**

**HIGH STRESS  
TOLERANCE**

# Approach

- Existing Conditions
  - Analyzed existing infrastructure
  - Targeted opportunities for short trips
  - Inventoried current and future destinations
- Public Outreach
  - Open House Meetings
  - Stakeholder Interviews
  - Online Engagement
- Network Development







**Town of Batesburg-Leesville**

# Two Open House Meetings





# Network Development

- Public Input
- Level of Comfort
  - Identifying high- and low-stress streets
- Intersection Density
- Sidewalk Gaps



# Public Input

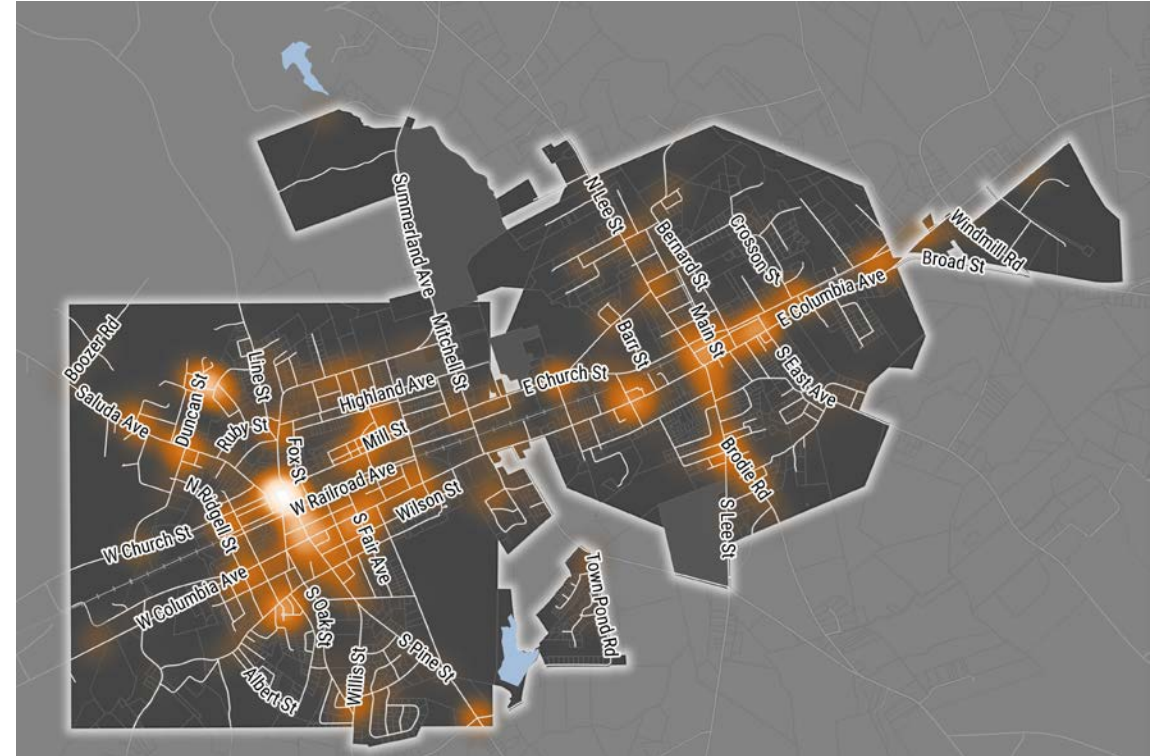
- Public input was received from:
  - Open House Meetings
  - Stakeholder interviews
  - Steering Committees
  - Online Interactive Map







- Walkable places have short blocks to access destinations
- Dense street networks with a several crossing options was another factor in network development



# Sidewalk Gaps

- No available data for existing sidewalks
  - Created sidewalk inventory as a part of the plan
- Sidewalks were mapped as part of this project to identify gaps
- This data was provided as a final deliverable for future use



# Batesburg-Leesville Key Findings

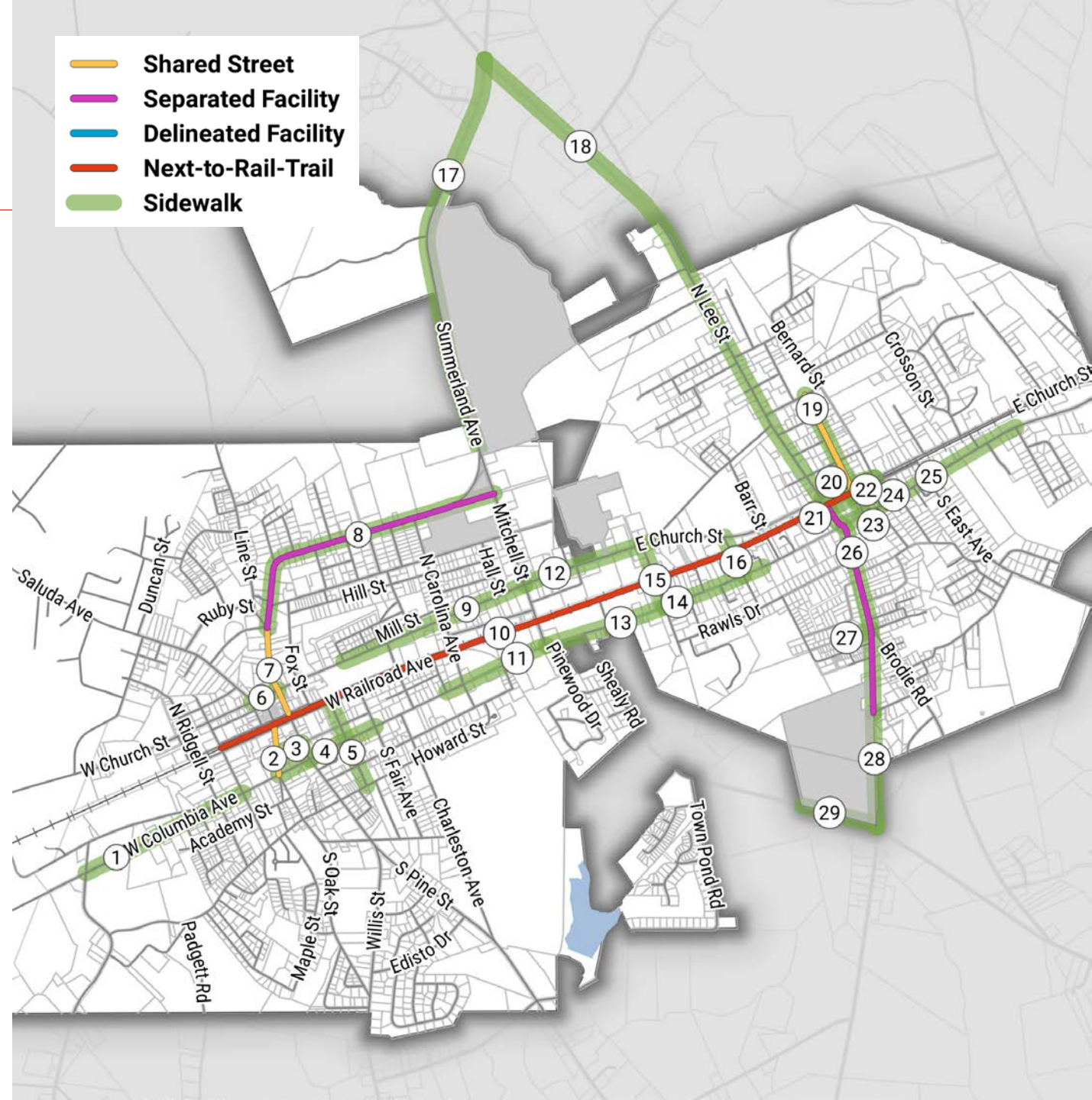
- People cherish the small-town fabric in Batesburg-Leesville; **residents are proud of where they live.**
- There is interest in **partnering with local community organizations** for community-wide event planning and programming.
- *Feeling safe while walking, wheeling, and bicycling is a driving factor in mode choice.*
- It is important that facilities in Batesburg-Leesville be **accessible for people of all ages and abilities**; this is especially true at community facilities and grocery stores.
- There is a need **to identify and leverage funding sources or financing mechanisms** to implement new infrastructure.





# Batesburg-Leesville Proposed Network

- 29 projects
  - Mixture of bicycle and pedestrian facilities
  - Several short segments to fill existing sidewalk gaps
- Proposed network focuses on connecting historic downtowns, schools, and neighborhoods.



# Project Lists



Batesburg-Leesville Project ID	Roadway	From	To	Length (ft)	Bicycle Facility	Sidewalk
2	N Oak St	W Railroad Ave	W Columbia Ave	865	Shared Street	
7	Line St - N Pine St	Summerland Ave	W Railroad Ave	1,656	Shared Street	
8	Summerland Ave - Armory St	Line St	Mitchell St	5,477	Separated	Yes
10	Rail Trail	N Peachtree St	Bernard St	13,112	Shared Use Path	
19	Main St	College St	E Railroad Ave	2,071	shared street	Yes
26	S Lee St	E Railroad Ave	Ceder St	3,939	Separated	Yes

Batesburg-Leesville Project ID	Roadway	From	To	Length (ft)
1	W Columbia Ave	S Bethlehem Rd	N Peachtree St	3,264
3	Hartley St	N Oak St	N Pine St	509
4	W Columbia Ave - N Pine St	N Oak St	N Fair Ave	2,109
5	S Perry St	W Railroad Ave	Howard St	1,665
6	W Church St	Saluda Ave / Fulner St	N Pine St	542
8	Summerland Ave - Armory St	Line St	Mitchell St	5,477
9	W Church St	Rabum St	Mitchell St	3,639
11	W Columbia Ave	N Carolina Ave	Mitchell St	2,033
12	W Church St	Mitchell St	N Hendrix St	2,527
13	W Columbia Ave	Mitchell St	N Hendrix St	2,311
14	E Columbia Ave	N Hendrix St	N Bedenbaugh St	1,962
15	N Hendrix St	E Church St	E Columbia Ave	1,229
16	N Bedenbaugh St	E Church St	E Columbia Ave	793
17	Summerland Ave - Mitchell St	N Lee St	Armory St	7,521
18	N Lee St	Summerland Ave	E Railroad Ave	10,597
19	Main St	College St	E Railroad Ave	2,071
20	E Church St	N Lee St	Bernard St	1,054
21	E Railroad Ave	N Lee St	Main St	538
22	E Railroad Ave	Main St	Bernard St	468
23	Main St	E Railroad Ave	E Columbia Ave	395
24	Bernard St	E Church St	E Columbia Ave	503
25	E Columbia Ave	N Lee St	Daniel Dr	3,671
26	S Lee St	E Railroad Ave	Ceder St	3,939
27	Peace St	Mid-Block Peace St	S Lee St	542
28	S Lee St	Cedar St	Shealy Rd	2,113
29	Shealy Rd	B-L Middle School	S Lee St	1,439



# Batesburg-Leesville Catalyst Project

- Shared Use Path adjacent to railroad
- 2.5 Miles
- 12-foot path
- Connect historic downtowns
- Offers recreation and active transportation route















# Appendices

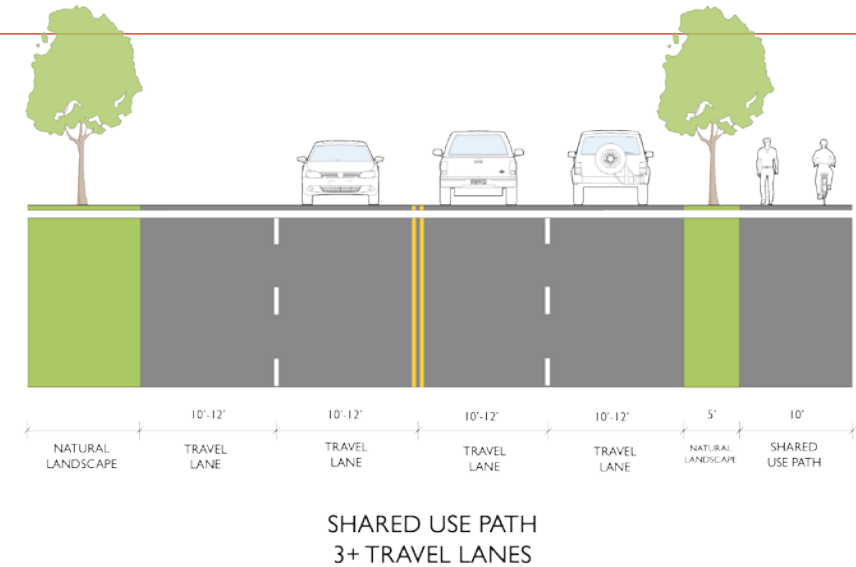
# Resources

- Funding Opportunities

- Federal
- State
- Local

- Design Guidance

- Facility Selection
  - What facility works for what context?
- Bicycle and Pedestrian facility menus
  - Intended for flexibility



# Probable Cost

- Each facility type
  - High/low estimates
  - Based on local bid tabs

## SHARED USE PATH

12' WIDE SHARED USE PATH (LOW ESTIMATE) *				
Item	Unit	SCDOT Cost	Quantity	Cost Per Linear Foot
Graded Aggregate Base (6" Uniform)	SY	\$15.00	0.67	\$10.00
6' Asphalt	TN	\$250.00	0.03	\$8.10
Furnishing and Placing Topsoil	SY	\$0.50	1.67	\$0.83
Earthwork	CY	\$25.00	0.56	\$13.89
Mailbox Install	EA	\$300.00	-	\$0.17
Signing	EA	\$350.00	-	\$0.13
TOTAL				\$33.13
UNKNOWNNS				
Item	Unit	SCDOT Cost	Quantity	Cost Per Linear Foot
Lane Reassignment (Misc.)	LS	5.0%	-	\$1.66
Traffic Control	LS	10.0%	-	\$3.31
Utilities	LS	20.0%	-	\$6.63
Erosion Control	LS	5.0%	-	\$1.66
Mobilization	LS	20.0%	-	\$6.63
UNKNOWNNS TOTAL				\$19.88
CONTINGENCY (30%)				\$9.94
TOTAL ESTIMATE COST PER LF				\$62.94

\*Assumes a 15 ft landscaped buffer.



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