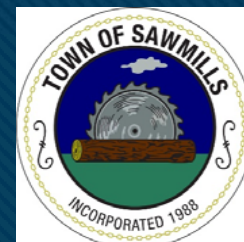




Western Piedmont
Council of Governments

Creative Regional Solutions Since 1968



Town of Sawmills Bicycle & Pedestrian Plan

Steering Committee #3

Tuesday, March 9, 5pm

Sawmills Town Hall (and Zoom)

Project Timeline



Launch
Background



Survey
Field Research



Issues
Concepts



Refinement
Typical Sections



Adoption

Meeting #1
October 13,
2020

Meeting #2
December 8,
2020

Meeting #3
March 9,
2021

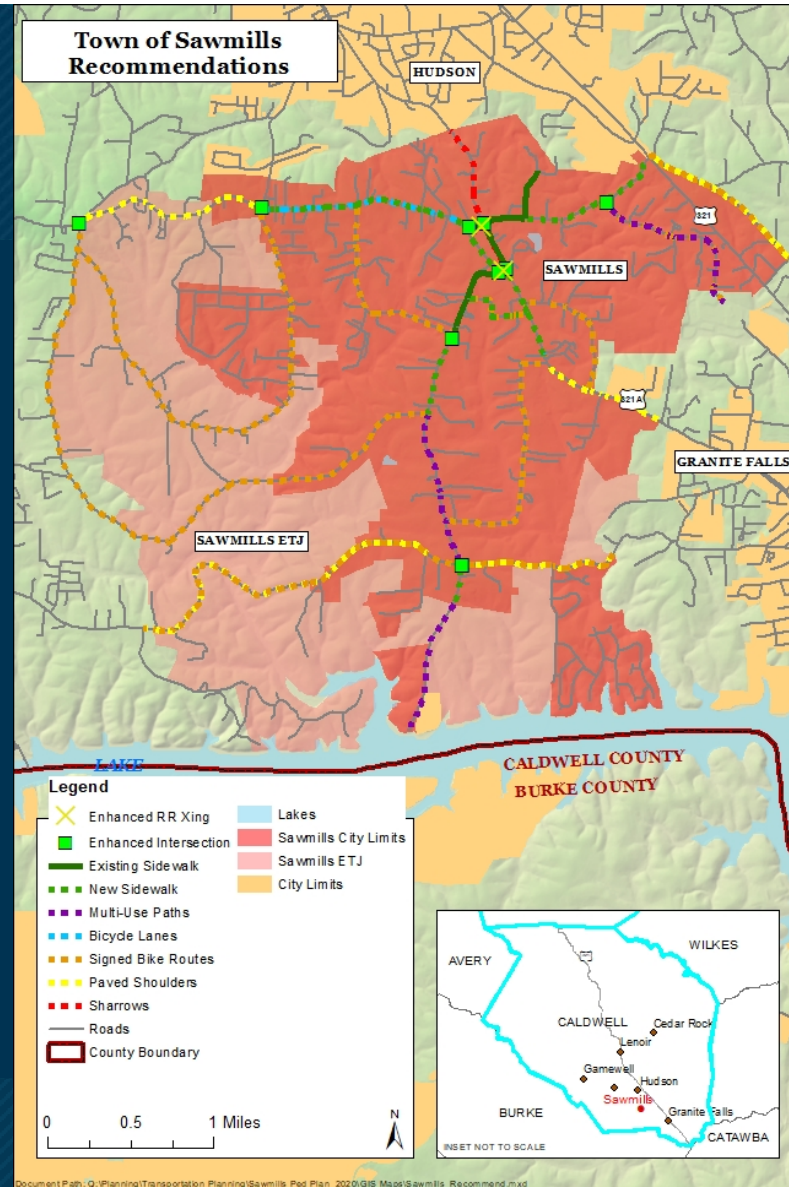
Facility Types & Typical Sections

Designing Complete Streets

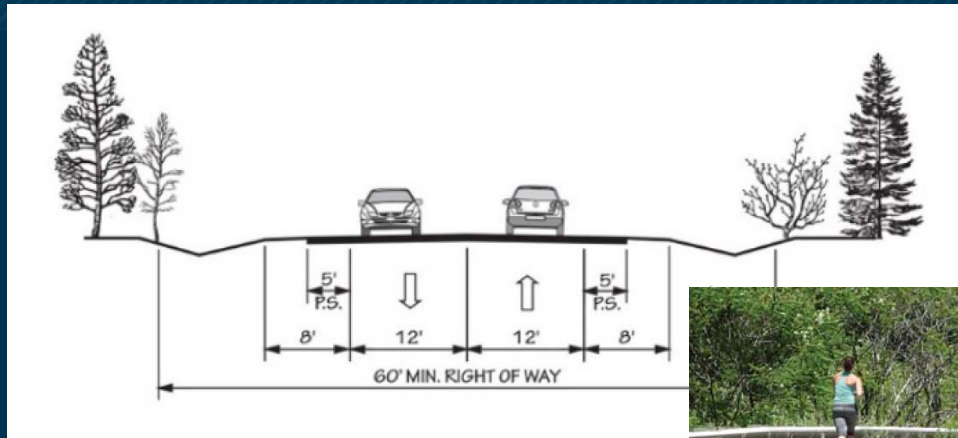


Overall Recommendations

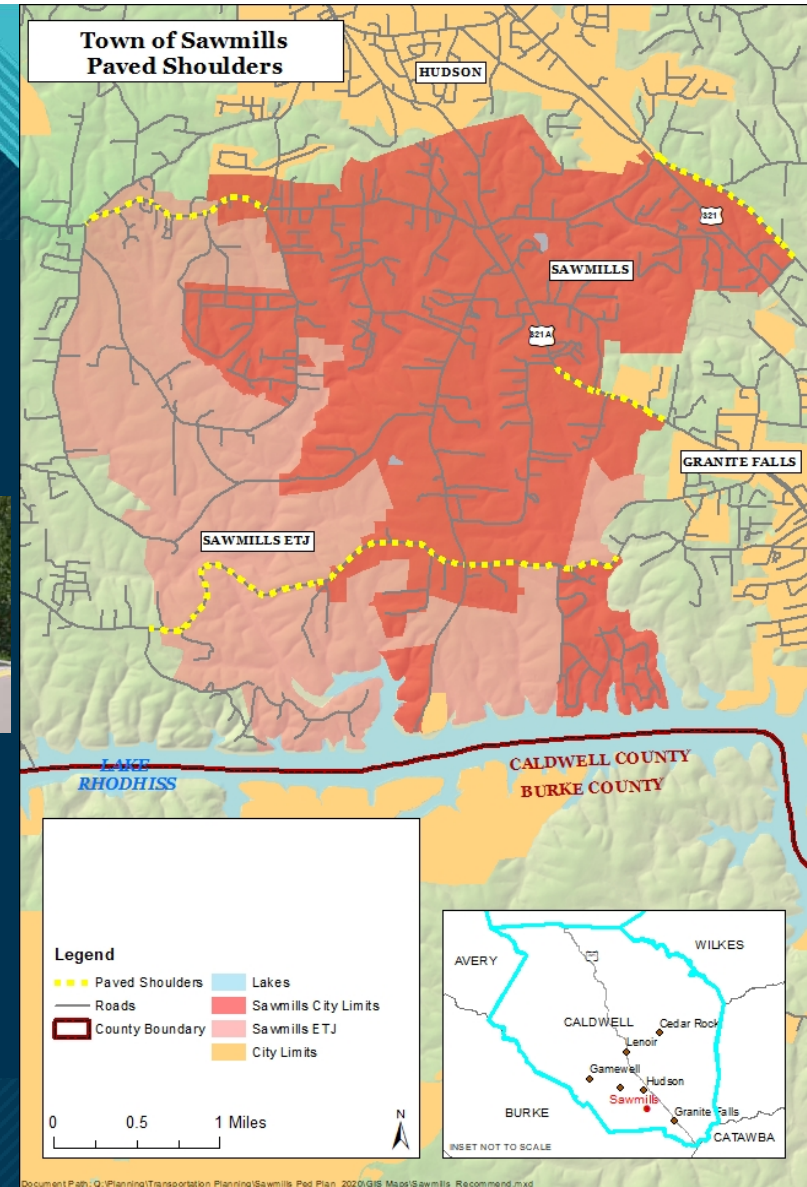
Paved Shoulders
Signed Bike Routes
"Sharrows"
Bicycle Lanes
New Sidewalks
Enhanced Intersections
Railroad Crossings
Multi-Use Paths



Paved Shoulders



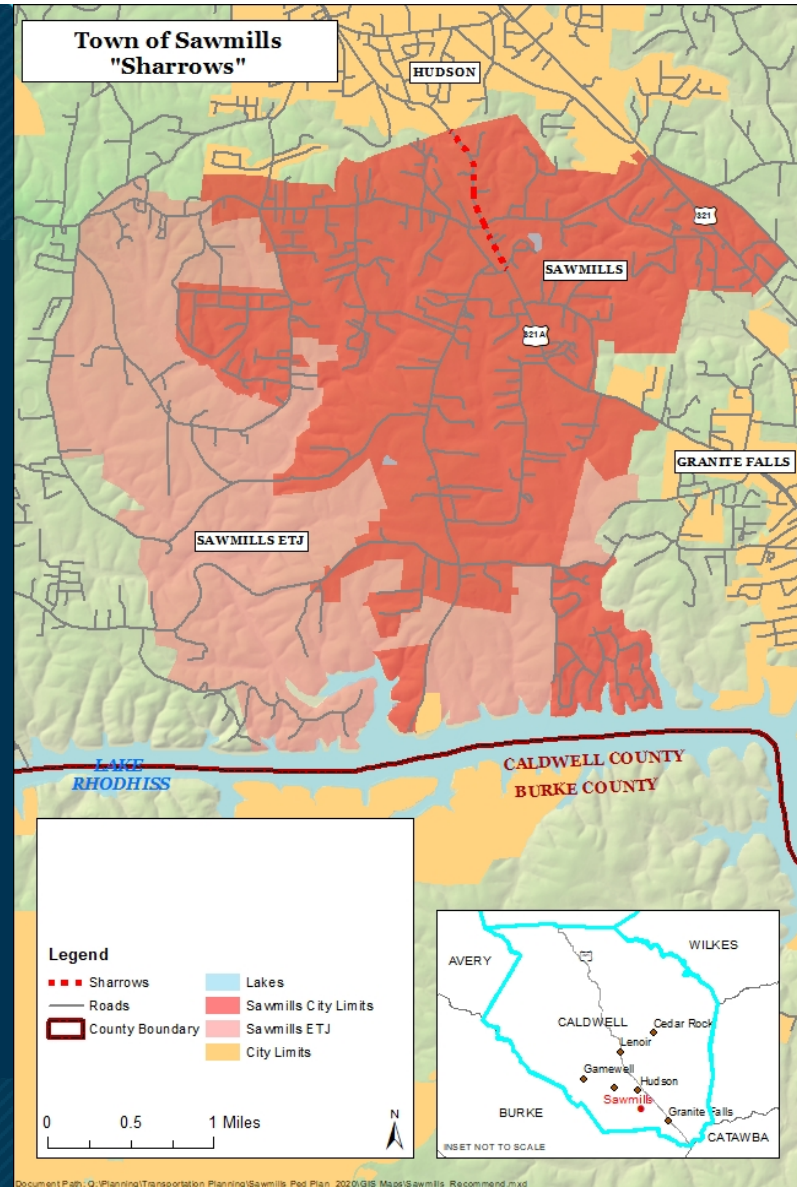
321A – south of Helton Rd
Cajah Mtn Rd – west of Horseshoe Bend Rd
Dry Ponds Rd
Lower Cedar Valley Rd



"Sharrows"



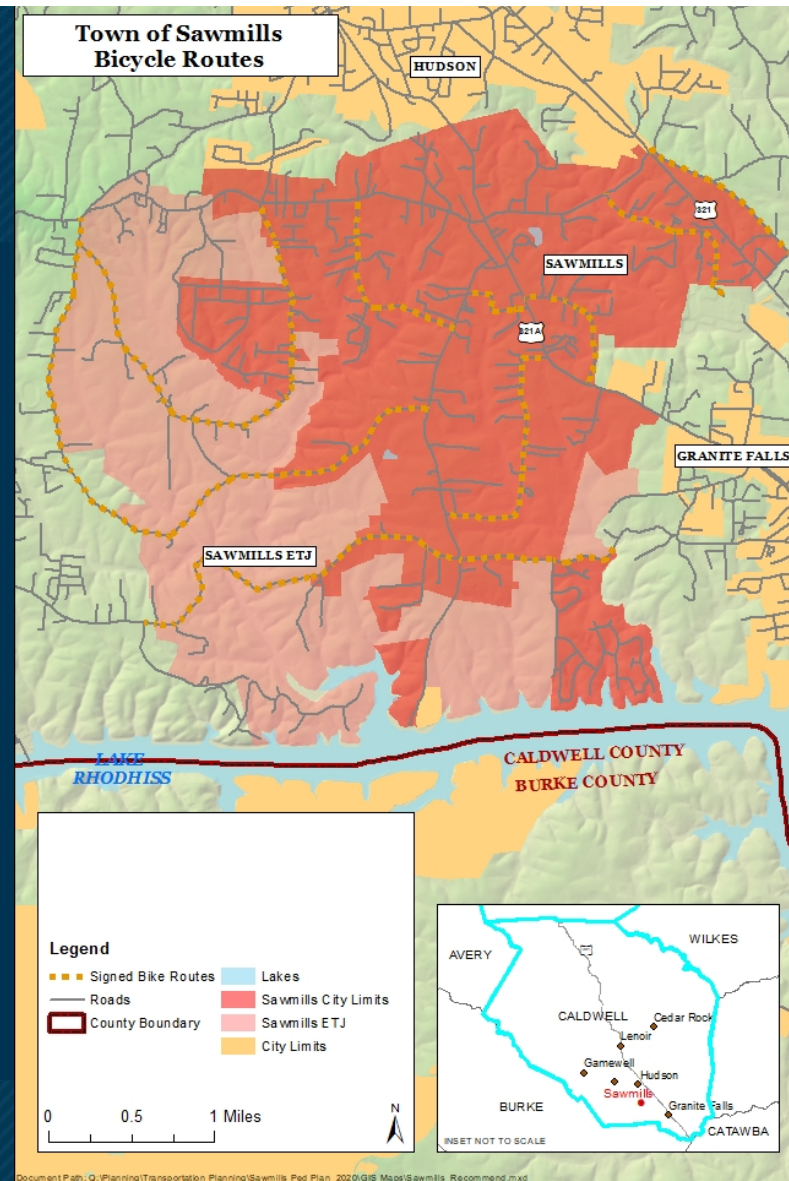
Share the Road Arrows
"Sharrows"
321A – north of Sawmills School Rd



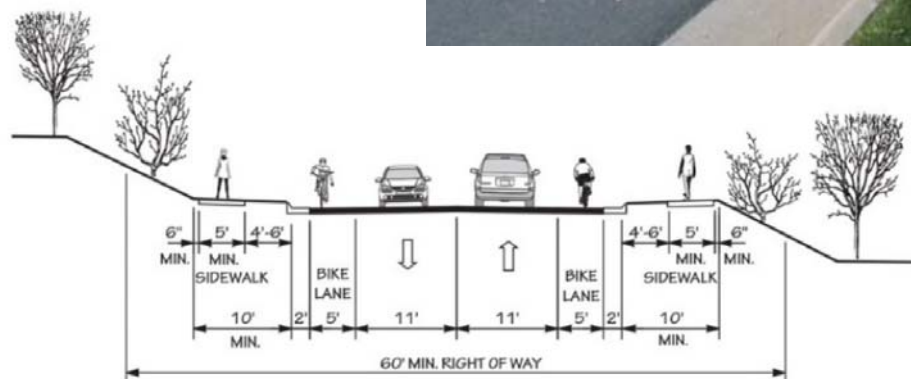
Signed Bike Routes



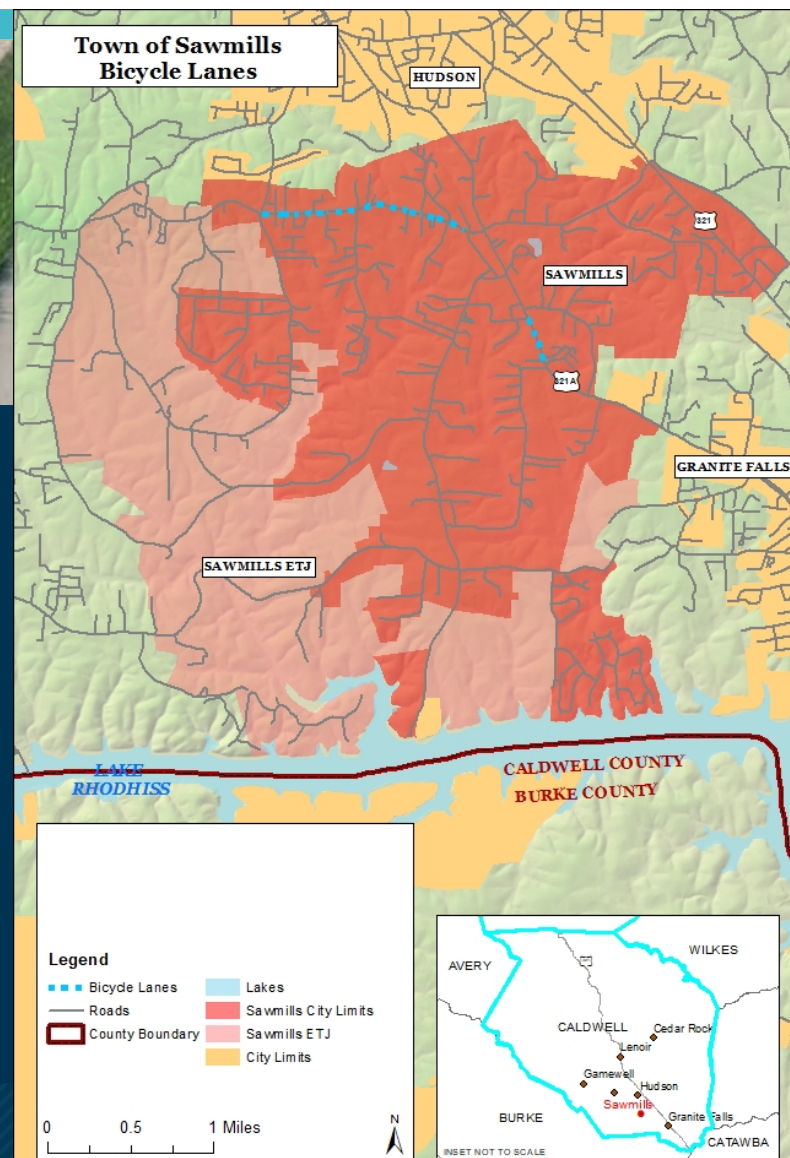
Baker Cir
Dry Ponds Rd
Helton Rd
Horseshoe Bend Rd
Lower Cedar Valley Rd
May Rd
Spartan Dr
Stamey Rd



Bike Lanes



321A – Sawmills School Rd to Helton Rd
 (sidewalk only on side across from railroad)
Cajah Mountain Rd – Horseshoe Bend Rd to
Mt Zion Church



Sidewalks

Roads with bicycle lanes, plus...

321A – Mission Rd to Sawmills School Rd

Baird Dr – Mission Rd to Baird Park

Helena St – Cajah Mtn Rd to Sawmills School Rd

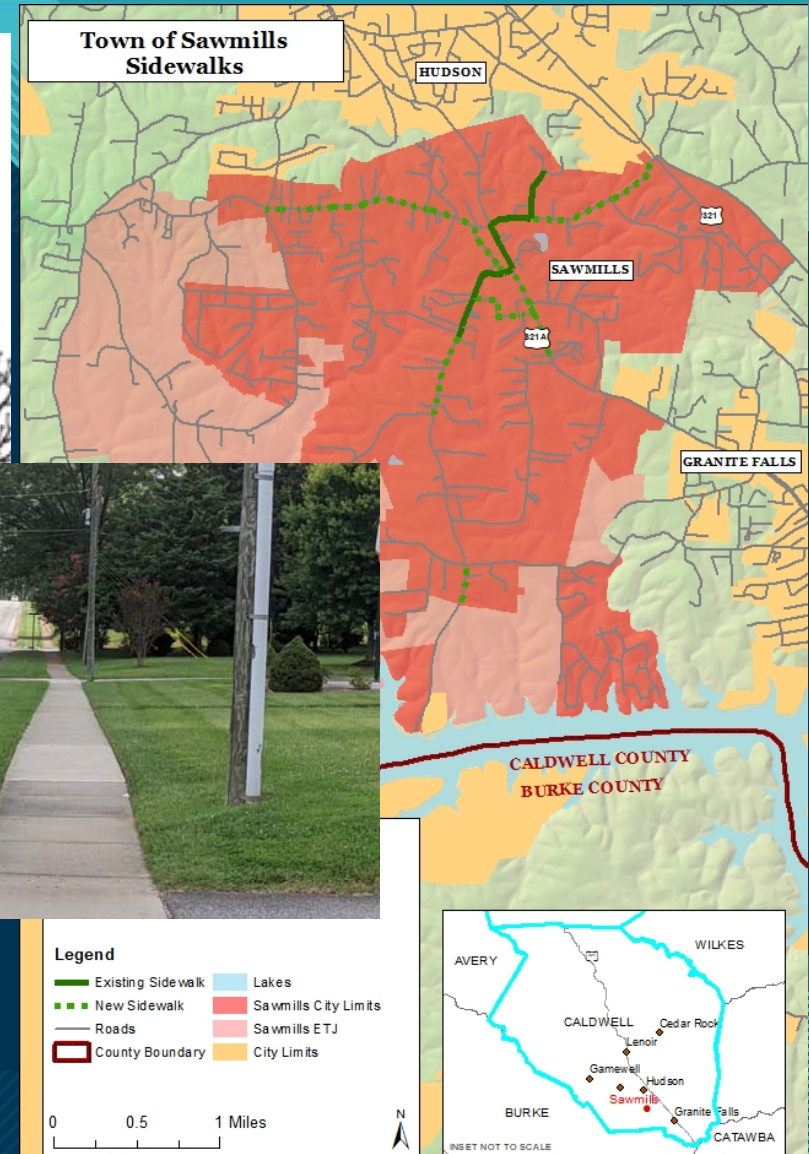
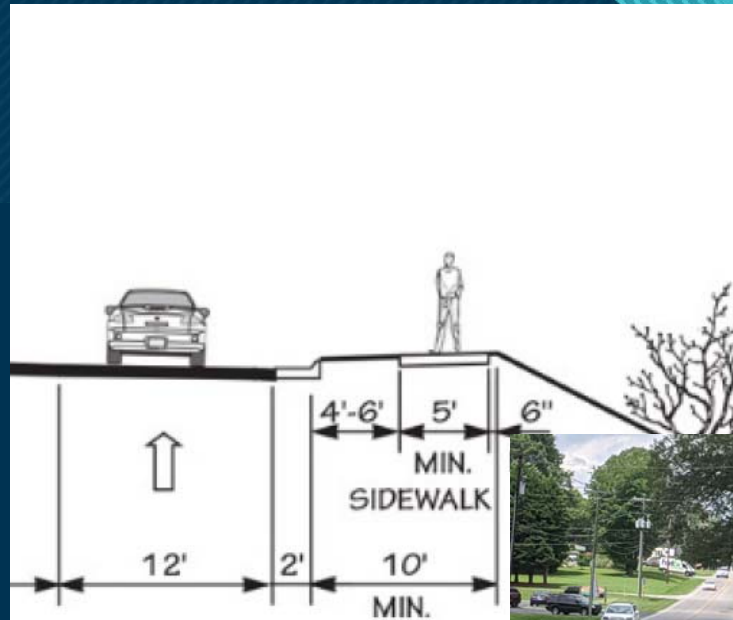
Keith Ave – 321A to Sawmills School Rd –

321A to Coral Dr

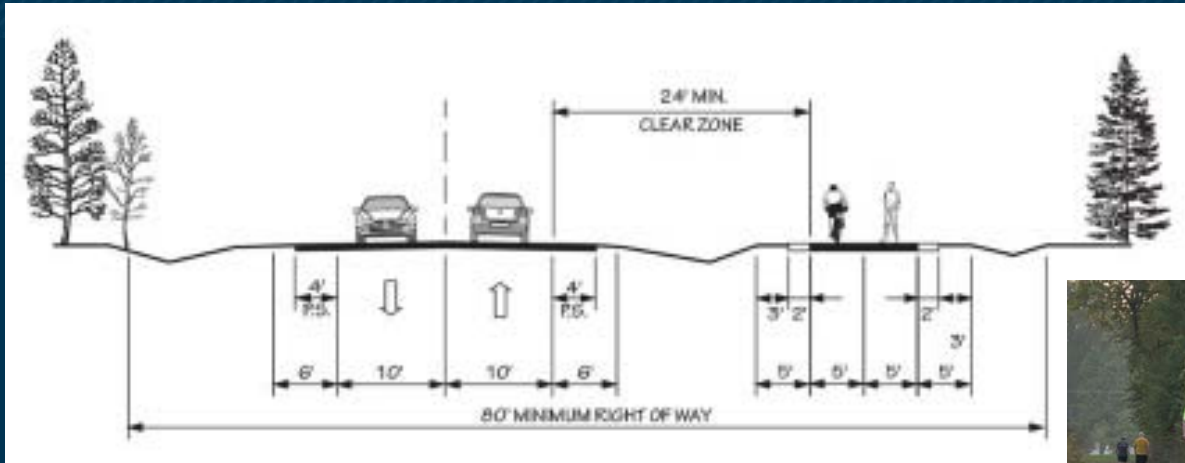
Mission Rd – 321A to 321

Sawmills School Rd –

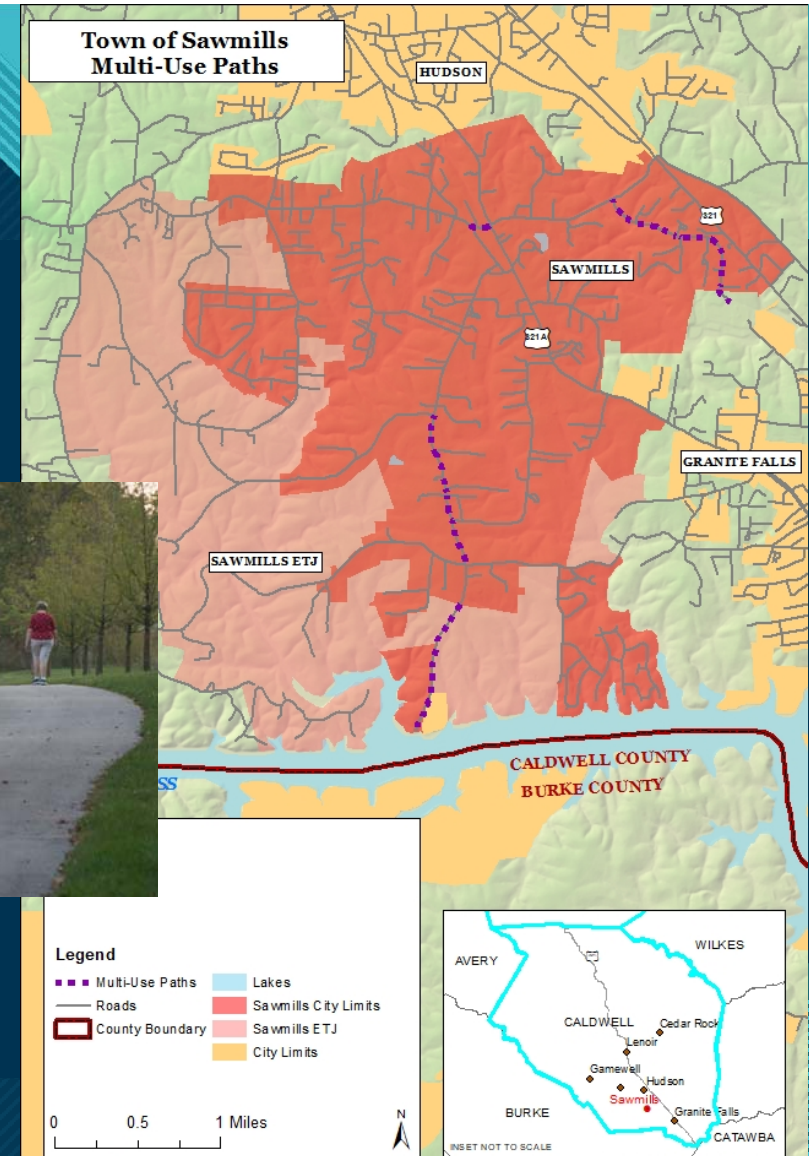
Coral Dr to May Rd



Multi-Use Path



Cajah Mtn Rd – Mt Zion Church to 321A
 Sawmills School Rd – May Rd to Dry Ponds Rd
 Spartan Dr – Mission Rd to South Caldwell High
 Waterworks Rd – Town Limits to Veterans Park



Intersections and Crossings

Cajah Mountain Rd –

Hudson-Cajah Mountain Rd
Horseshoe Bend Rd
Helena St

Mission Rd –

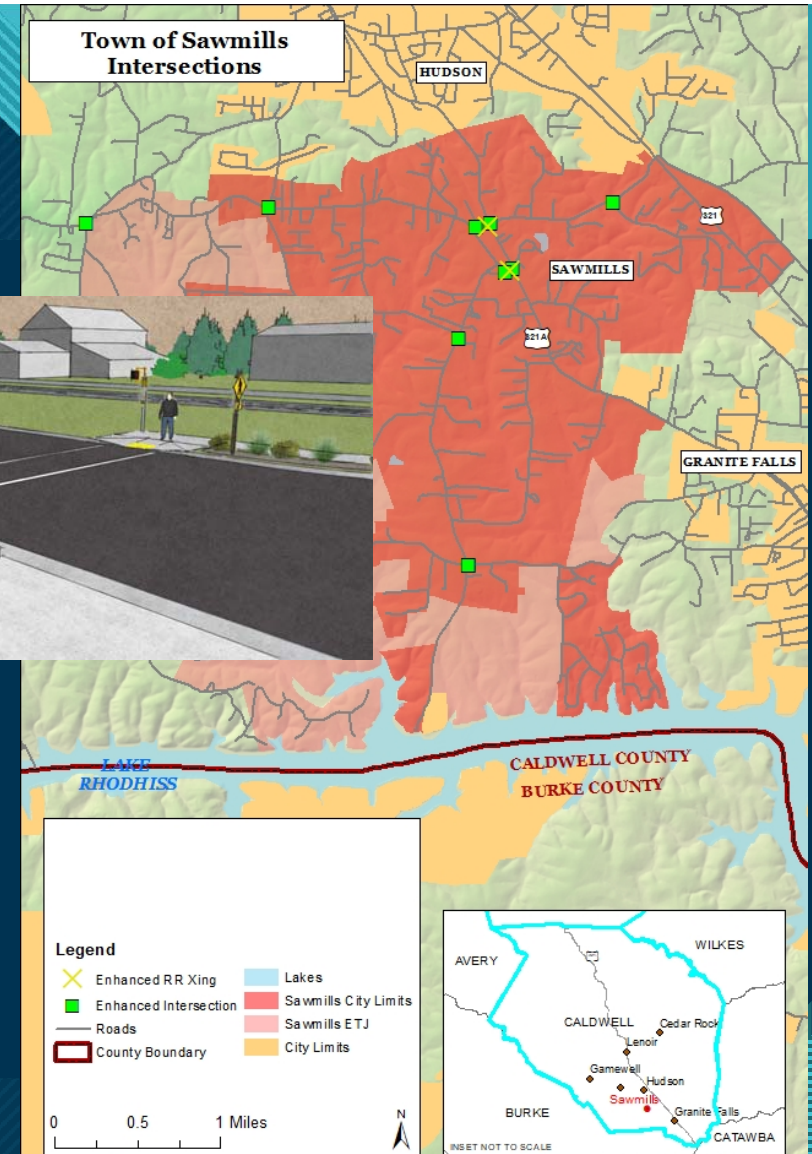
321A
Spartan Rd

Sawmills School Rd –

321A
Helena St
Coral Dr / Stamey Rd (Elementary)
Dry Ponds Rd

Railroad Crossings –

Cajah Mountain Rd
Sawmills School Rd



Document Path: Q:\Planning\Transportation Planning\Sawmills Ped Plan 2020\GIS Maps\Sawmills Recommend.mxd

Key Corridors

Key Connections



Cajah Mountain Rd

West of Horseshoe Bend Rd

Ditch section

(2) 12' travel lanes

(2) 5' paved shoulders / 8'
graded shoulders

Horseshoe Bend Rd to Mt Zion Church

Curbed section

(2) 11' travel lanes

(2) 5' bike lanes

(2) 5' back-of-curb sidewalks

Mt Zion Church to 321A

Curbed section

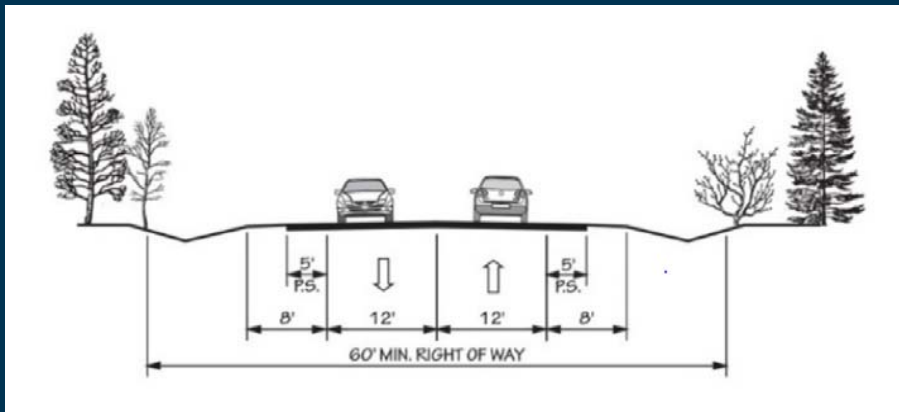
Existing travel lanes

10' multi-use path

Railroad crossing



Cajah Mountain Rd - west of Mt Zion Church

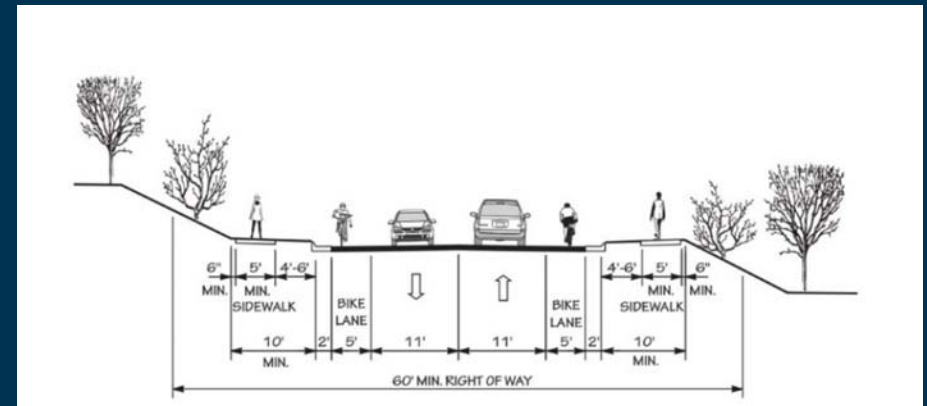


West of Horseshoe Bend Rd

Ditch section

(2) 12' travel lanes

(2) 5' paved shoulders / 8' graded shoulders



Horseshoe Bend Rd to Mt Zion Church

Curbed section

(2) 11' travel lanes

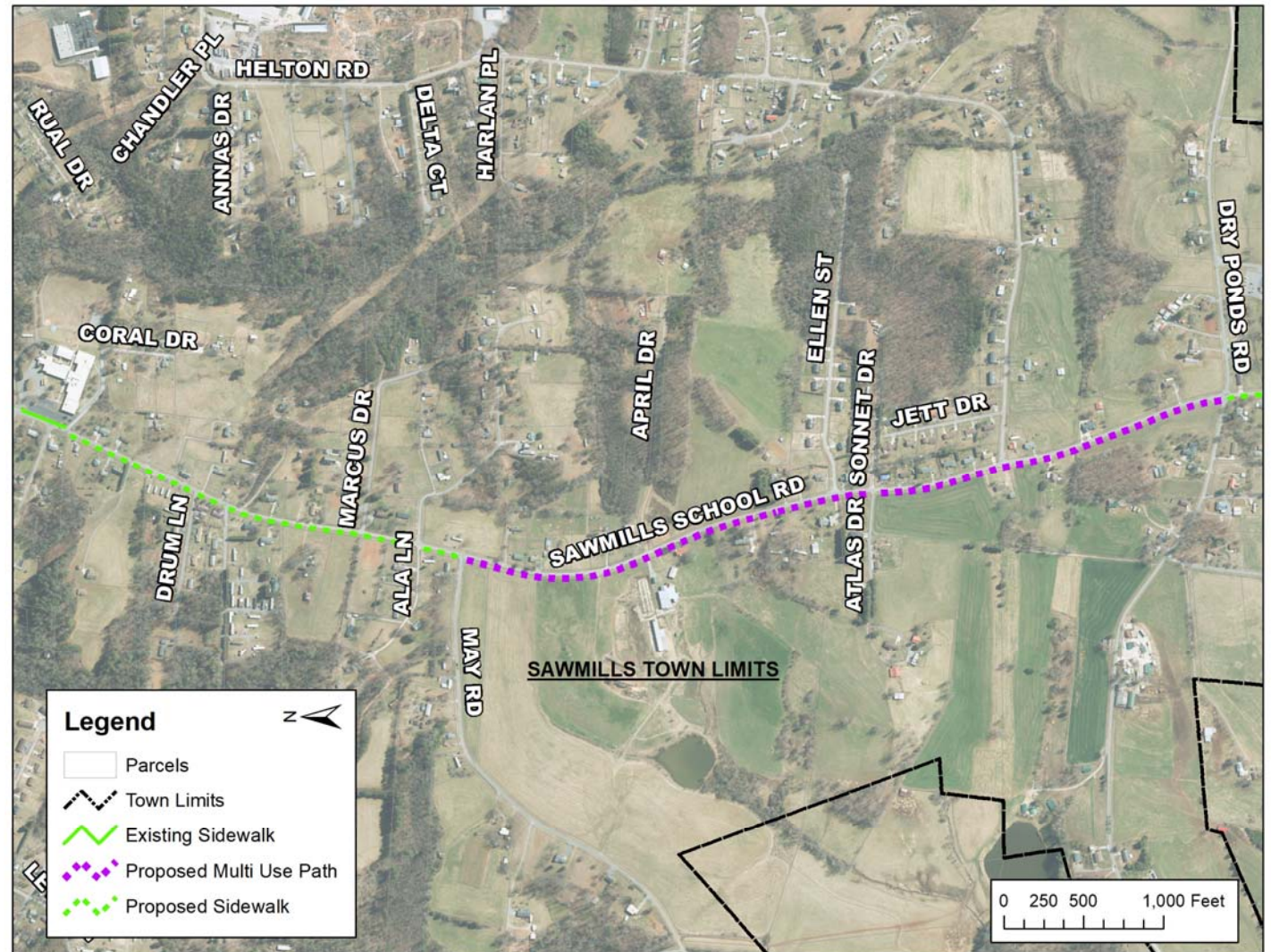
(2) 5' bike lanes

(2) 5' back-of-curb sidewalks

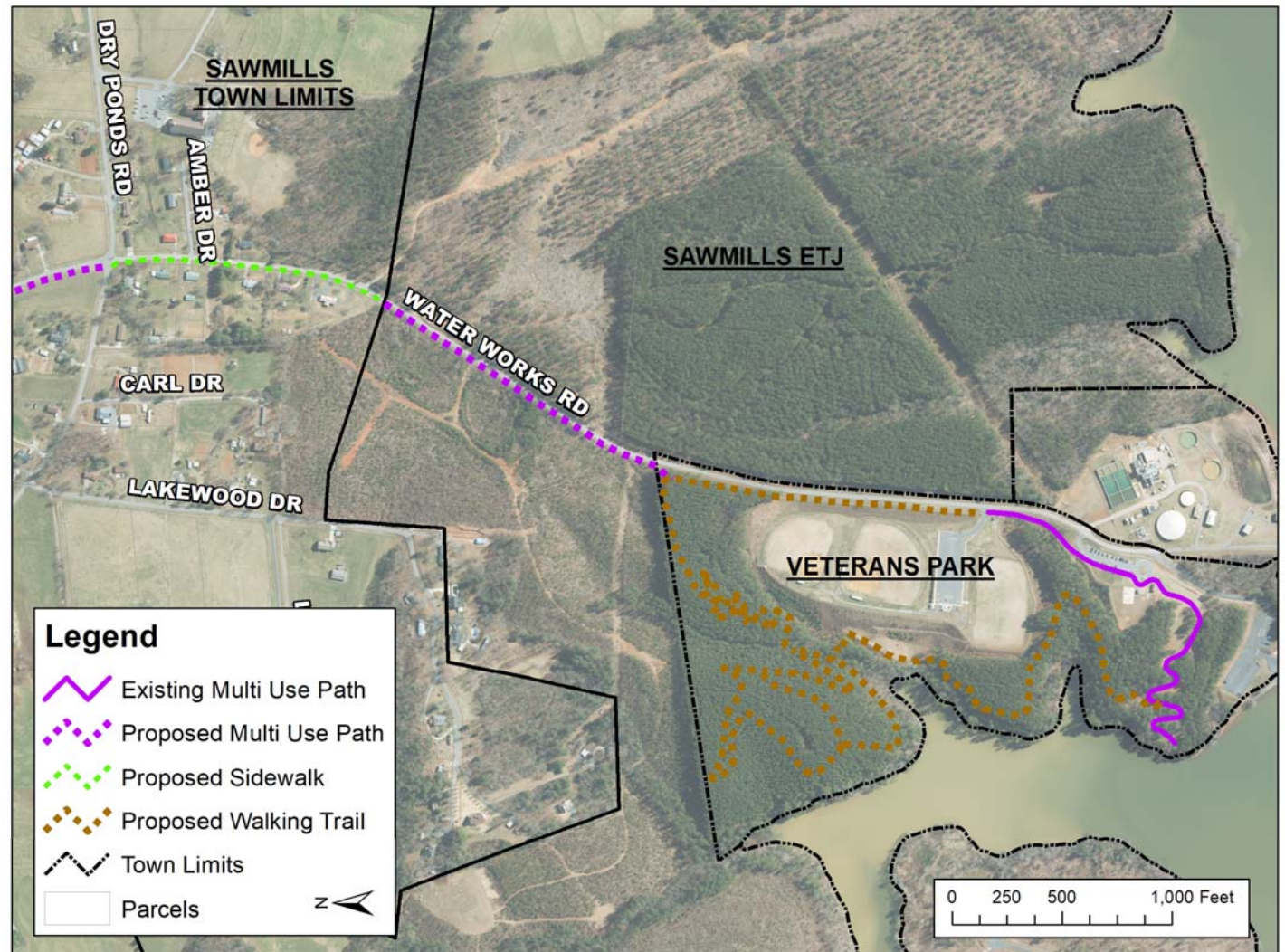
Mt Zion Church to 321A



Veterans Park Connector



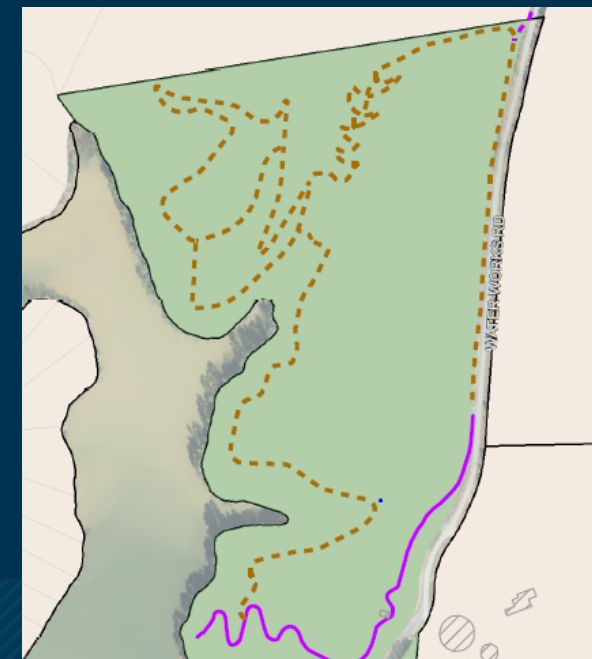
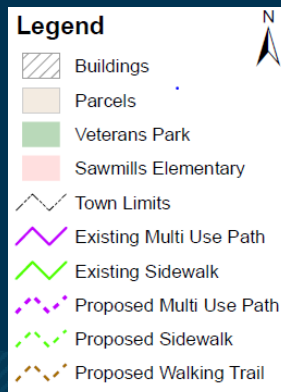
Veterans Park Connector



Sawmills Elementary to Veterans Park

Existing Sidewalk – Railroad to Sawmills Elementary
 School Crossing – Doral Dr
 New Sidewalk – Sawmills Elementary to May Rd
 New Multi-Use Path – May Rd to Dry Ponds Rd
 New Sidewalk – Neighborhood south of Dry Ponds Rd
 New Multi-Use Path – South to Veterans Park
 Existing* Multi-Use Path – Veterans Park

*includes Duke Energy project



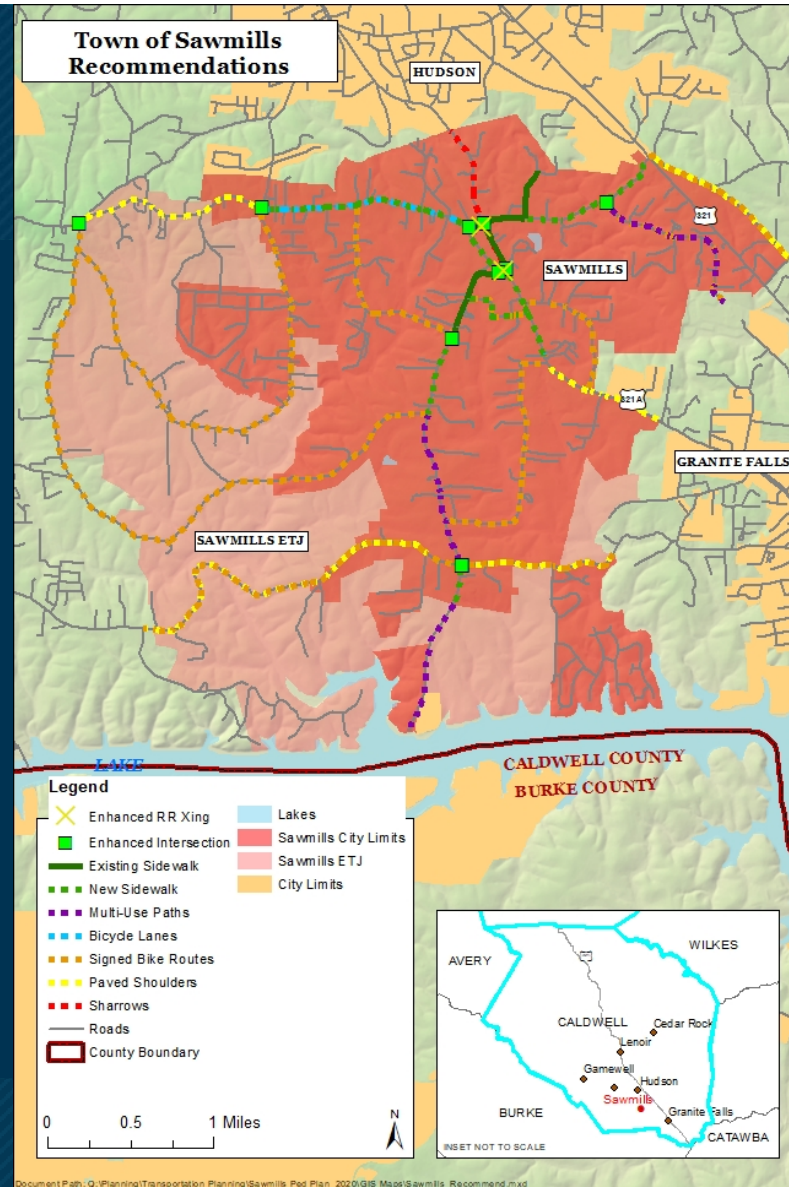
Implementation

Building the Vision



Network Recommendations

Paved shoulders
Signed bike routes
Sharrows
Bicycle lanes
New Sidewalks
Enhanced Intersections
Railroad Crossings
Multi-use paths



Document Path: Q:\Planning\Transportation Planning\Sawmills Ped Plan 2020\GIS Maps\Sawmills Recommend.mxd

Implementation Strategies

Project	Lead	Timing	Cost
Cajah Mountain Rd -shoulders / bike lanes -sidewalk and paths -intersections / RR xing	NCDOT	Next 5 years	DOT builds sidewalks and maintains bike lanes; Town responsible for sidewalk maintenance (\$225 per panel)
Dry Ponds Rd -shoulders -intersection	NCDOT	15-20 years	DOT builds and maintains shoulders; No cost to Town
Signed Bike Routes -various collectors	Town	Next 5 years	\$25-75 per sign \$35-70 per post
Veterans Park Connector -sidewalk to May Rd -path to Veterans Park	NCDOT / Town	5-10 years	\$4.7M (\$600K for sidewalk and \$4.1M for multi-use path)
321A sidewalk	Town	5-10 years	\$850K (\$170K local match)
Sawmills School Rd / 321A / RR Xing	Town	10-15 years	\$1M (\$200K local match)
Mission Rd / Spartan Dr	NCDOT / Town	15-20 years	\$3M (\$600K to \$1.5M match)

NCDOT Coordination

6.1 Complete Street Cost Share

The table below illustrates the funding responsibilities for Complete Streets incorporating bicycle and pedestrian and roadway public transportation facilities.

Complete Street Cost Share			
Facility Type	In Plan	Not in Plan, but Need Identified	Betterment
Pedestrian Facility	NCDOT pays full	Cost Share	Local
Bicycle Facility	NCDOT pays full	NCDOT pays full	Local
Side Path	NCDOT pays full	Cost Share	Local
Greenway Crossing	NCDOT pays full	Cost Share	Local
Bus Pull Out	NCDOT pays full	Cost Share	Local
Bus Stop (pad only)	NCDOT pays full	Cost Share	Local

6.2 Maintenance

Bicycle and pedestrian improvements within a municipal boundary are subject to local maintenance. A local maintenance agreement will be executed prior to the completion of a construction project.

Funding Opportunities

Grant Program	Lead	Local Match	Applicability
NCDOT Roadway Projects	NCDOT	0% if an adopted plan, 5% if no plan, 100% for maintenance of behind-the-curb elements	Cajah Mountain Rd - RR crossing - 4 intersections - side path / sidewalk - bike lanes / shoulder Dry Ponds Rd - paved shoulders - School Rd intersection
Locally Administered Project Program (LAPP)	Town, GHMPO	20% match, 80% Fed reimbursed	321A sidewalk Spartan Dr side path Sawmills School Rd at RR
Strategic Transportation Investments	NCDOT, Town, GHMPO	0% intersections, 20% bike-ped	321A modernization Veterans Park Connector Spartan Dr Path Sawmills School Rd at RR
Parks and Recreation Trust Fund (PARTF)	Town	50% or matching	Veterans Park Connector
Powell Bill Funding	Town	100%	Sidewalk maintenance Curb ramps on local roads
NCDOT Resurfacing	NCDOT	0% typically	Curb ramps on state roads



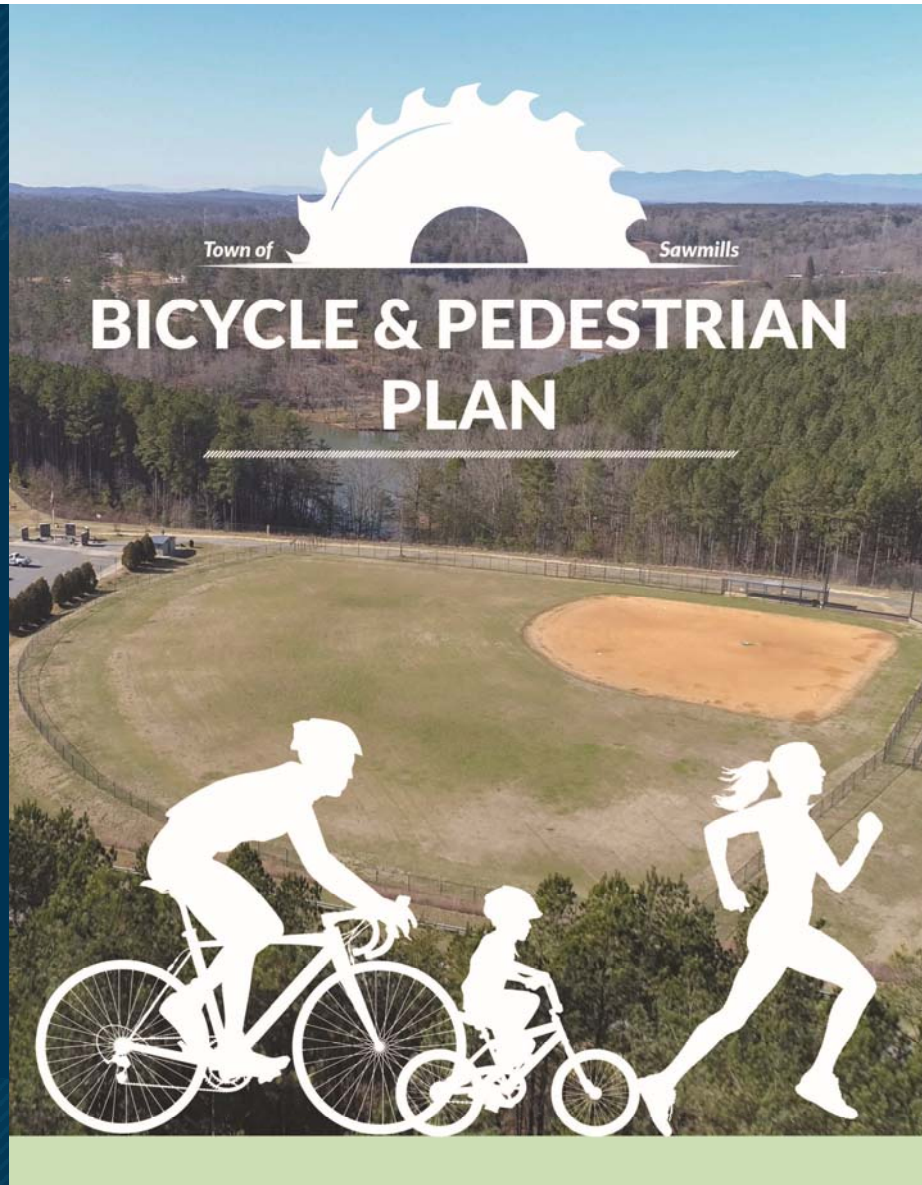
Next Steps

Plan Review and Adoption

Town Planning Board
Tuesday, April 6, 2021, 4pm

Town Council – Presentation
Tuesday, April 20, 2021, 6pm

Town Council – Public Hearing
Tuesday, May 18, 2021, 6pm



THANK YOU!

Brian.Horton@wpcog.org
828-485-4225

Emma.Stogner@wpcog.org
828-485-4258

