

EXECUTIVE SUMMARY: TOWN OF WAKE FOREST COMPREHENSIVE TRANSPORTATION PLAN

Effective Date: October 15, 2019



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Town of Wake Forest Comprehensive Transportation Plan Development

The Town of Wake Forest Comprehensive Transportation Plan is a long-range multi-modal plan that identifies transportation needs and proposes solutions for the next 20 to 25 years. The Comprehensive Transportation Plan (CTP) provides a vision for the future of transportation in Wake Forest. The document will also act as a guide for other municipal plans and upcoming developments.

The Town of Wake Forest intends to provide a safe, efficient, flexible, innovative and inclusive multi-modal transportation system that gives residents of and visitors to the Town a multitude of transportation options for local and regional travel while promoting a welcoming small-town charm and vibrant business environment.

What do these recommendations include?

Recommendations include improvements to roadway, bicycle, pedestrian and transit systems. These recommendations are based on existing data on geography, demographics, traffic and safety concerns and future trends like potential developments, new roads and changes in travel patterns.

What about other studies conducted in the past?

The goal of the CTP is to create a multi-modal plan that also includes recommendations from previous plans and reports. The CTP was developed by evaluating existing town plans and ordinances; studying population and employment growth; and reviewing land use and future development potential.

What are the limitations of this CTP?

This plan is not fiscally constrained. It does not include a commitment of funds. Therefore, the cost of projects has not been calculated and is not a factor in developing recommendations. Recommendations in the CTP do not show the exact location of roadway or greenway alignments but rather, a connection between two points.

Development of the CTP

The Transportation Plan Update was completed in 2010. Development of the current CTP included evaluating existing town plans and ordinances, current and projected population and employment growth, land use, developments and projects currently underway, and potential of future development on undeveloped or under-developed land.

A comprehensive public participation strategy was implemented to receive feedback from the public. The first public meeting, held May 23, 2018, focused on concerns, experiences and goals for the Town's future of transportation. Surveys were also conducted before and during that meeting.

Recommendations developed from evaluating existing transportation network, land use, socio-economic data and public feedback were presented at a second public meeting on May 16, 2019. The comments received following the second meeting were incorporated into the final recommendations.

The CTP policy committee, representing various stakeholders in Wake Forest, CTP met six times over the course of the project to provide feedback and direction to Town staff and the project consultants.



Roadway Recommendations

The full set of roadway recommendations can be seen in Figure 1 and is listed in Table 1 below. Roadway typical sections are also displayed below.

The CTP also proposes short and/or medium-term recommendation for six “hot spot” intersections:

- Burlington Mills Road and Ligon Mills Road
- Rogers Road and Heritage Lake Road/Forestville Road
- South Main Street and Rogers Road
- NC 98 and South Main Street
- South Avenue and South Main Street
- Durham Road and Hampton Way Drive

Bicycle and Pedestrian Recommendations

All roadways, new and existing, have bicycle and pedestrian recommendations as part of the CTP. These recommendations can be seen in Figure 2. Key recommendations are listed below:

- Bicycle lanes on South Main Street and the Seminary Loop
- Multi-use paths on Ligon Mill Road
- Multi-use paths on Rogers Road
- Multi-use paths on Durham Road
- Multi-use paths on Heritage Lake Road/Forestville Road
- Multi-use paths on Burlington Mills Road
- Multi-use paths Harris Road/Royal Mill Avenue
- Multi-use paths on Jones Dairy Road
- Smith Creek Greenway
- Austin Creek Greenway
- Dunn Creek Greenway
- Richland Creek Greenway
- Reservoir Soft-trail
- NC 98 Bypass side path (greenway)

Transit Recommendations

A key transit recommendation includes the implementation of a “reverse” route of the existing Wake Forest Loop that runs within the Town. The CTP also addresses regional connections identified in the *Wake County Transit Plan*, including the proposed 2L route, the proposed 401 route, and the Raleigh-Wake Forest Commuter Rail connecting downtown Raleigh and downtown Wake Forest.

Implementation

Projects will be implemented as funding becomes available. The CTP identifies priority projects for the horizon years of 2025, 2035, and 2045.



Figure 1 – Roadway Recommendations

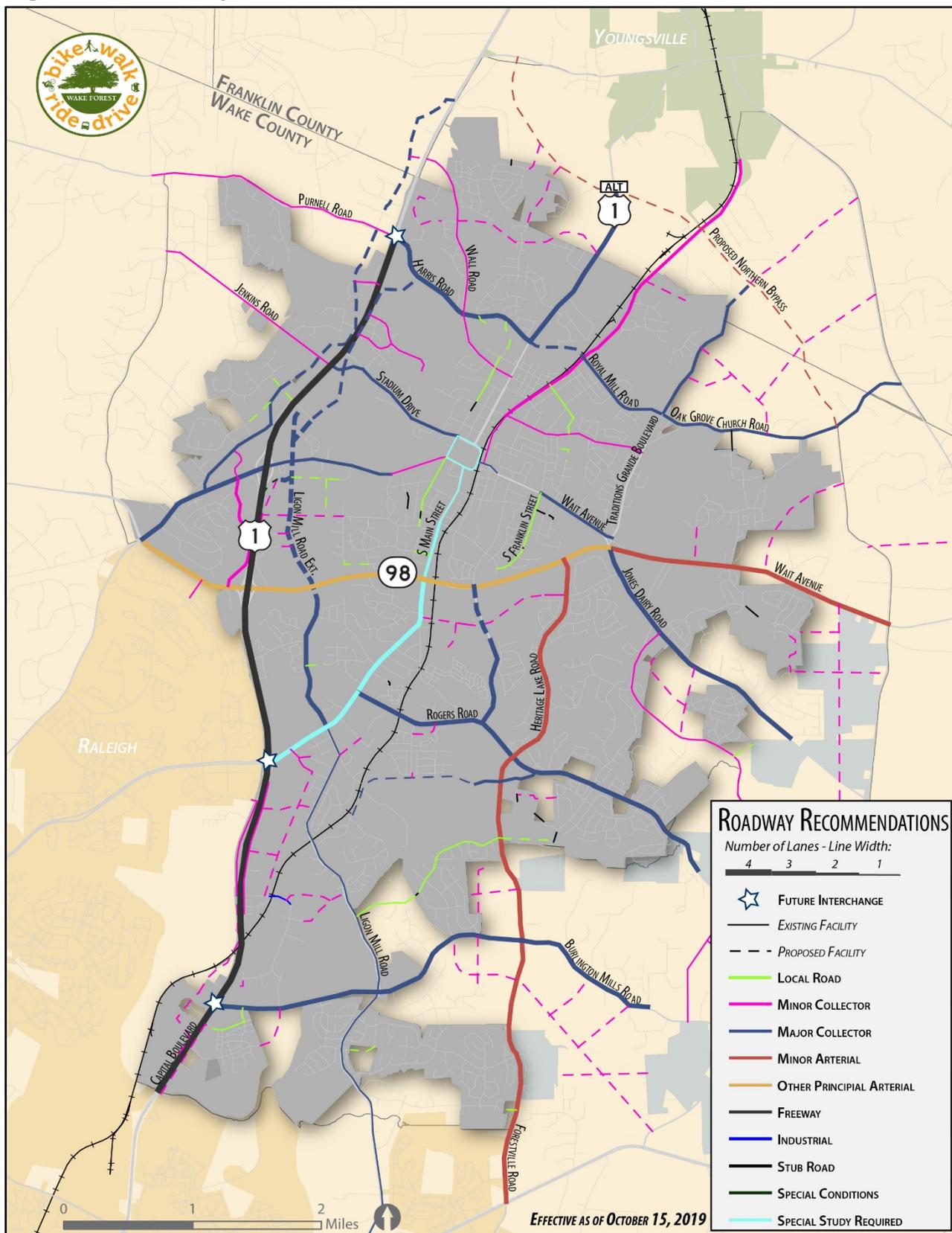




Figure 2 – Bicycle and Pedestrian Recommendations

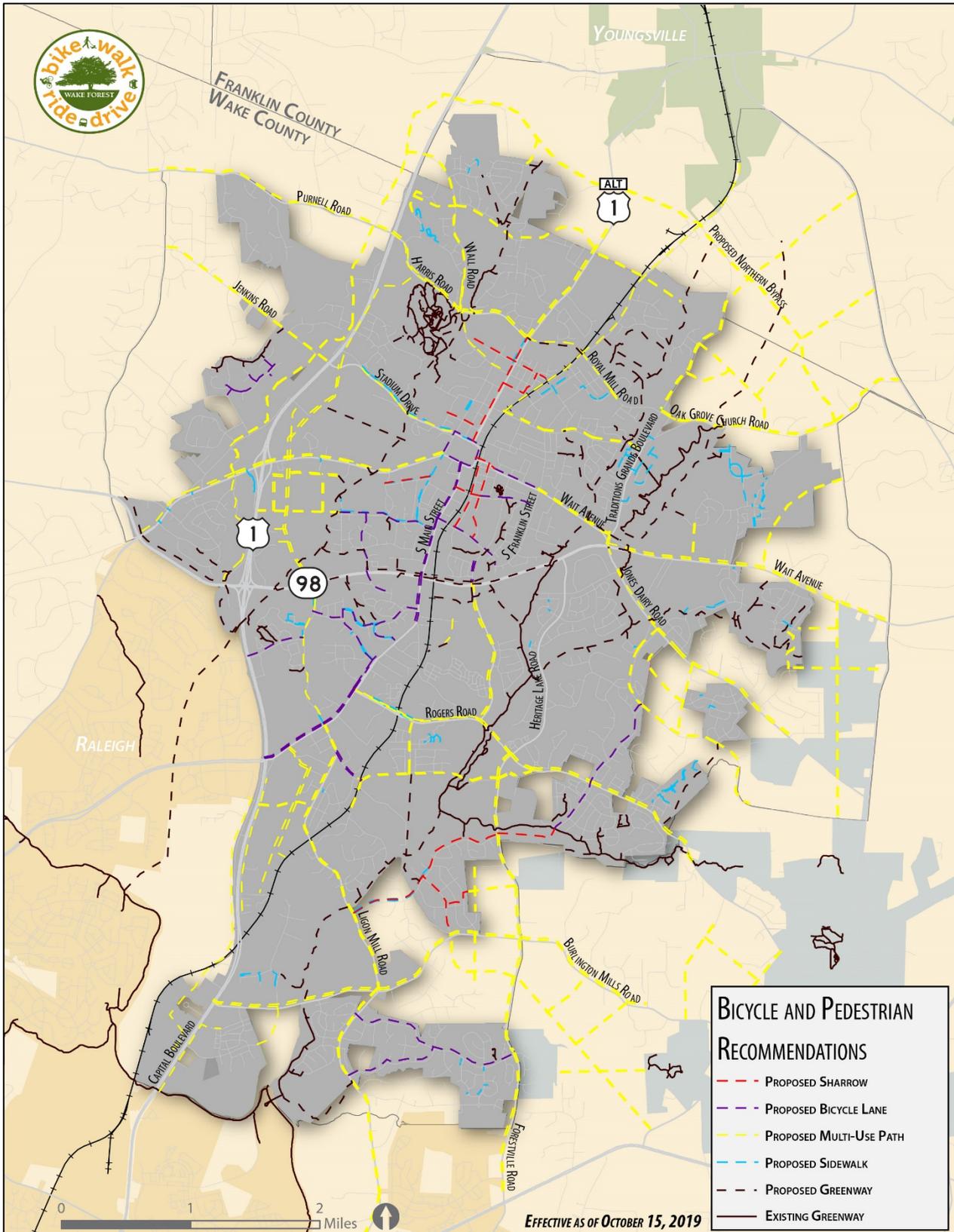




Table 1 – Roadway Recommendations

Street Name	Cross Street 1	Cross Street 2	Road Section	Number of Lanes	Type
Austin Ridge Parkway Stub			X	0	2 Lane - Continue existing - Proposed
Austin Ridge Pkwy	Old Pearce Rd	Longmont Dr	B1	2	2 Lane - Minor Collector - Proposed
Bankwell St	Linslade Way	Forestville Rd	B1	2	2 Lane - Minor Collector - Proposed
Burlington Mills Rd	Capital Blvd	Crooked Creek Rd	D1	4	4 Lane - Major Collector - Needs Improvement
Carroll St	8th St	End	A1	2	2 Lane - Local Street - Proposed
Centaur Rd	Burlington Mills Rd	N34	B1	2	2 Lane - Minor Collector - Proposed
Chalk Rd	Jones Dairy Rd	WCPE	B1	2	2 Lane - Minor Collector - Needs Improvement
Club Villas Drive	Club Villas Drive	US 1	B1	2	2 Lane - Minor Collector - Needs Improvement
Connector Drive Extension	Connector Dr	Ligon Mill Rd	B5	2	2 Lane - Minor Collector - Proposed
Connector Extn	Unicon Dr	Connector Dr Extn	B5	2	2 Lane - Minor Collector - Proposed
Cornwell Dr	Linslade Way	Pine Valley Dr	B1	2	2 Lane - Minor Collector - Proposed
Country Club Dr	Purnell Rd	Templeridge Rd	C4	3	3 Lane - Major Collector - Proposed
Crimson Clover Ave	Massenburg Rd	Golden Poppy Ct	B1	2	2 Lane - Minor Collector - Proposed
Deer path	Purnell Rd	Rolling Acres Rd	C4	3	3 Lane - Major Collector - Proposed



Street Name	Cross Street 1	Cross Street 2	Road Section	Number of Lanes	Type
Durham Rd	Tyler Run Dr	US-1	C6	3	3 Lane - Major Collector - Needs Improvement
Durham Rd	US-1	NC-98	D1	4	4 Lane - Major Collector - Needs Improvement
Durham Rd	S Wingate St	Tyler Run Dr	B1	2	2 Lane - Minor Collector - Needs Improvement
E Juniper Ave	N White St	Traditions Grande Blvd	B1	2	2 Lane - Minor Collector - Needs Improvement
E Perry Ave	N White St	Jubilee Ct	A1	2	2 Lane - Local Street - Needs Improvement
E Roosevelt Ave	E South Ave	Wait Ave	C2	2	2 Lane - Major Collector - Needs Improvement
E South Ave	S Main St	E Roosevelt Ave	S	0	2 Lane - Special Study - Needs Improvement
Falcate Dr	N03	End	B1	2	2 Lane - Minor Collector - Proposed
Forest Road	New Roadway	Wake Drive	B1	2	2 Lane - Minor Collector - Needs Improvement
Forestville Rd	Rogers Rd	Louisburg Rd	F1	4	4 Lane - Minor Arterial - Needs Improvement
Foundation Dr	Forestville Rd	Parking Lot	C3	3	3 Lane - Major Collector - Needs Improvement



Street Name	Cross Street 1	Cross Street 2	Road Section	Number of Lanes	Type
Foundation Dr Extension	Steeple Run Dr	Foundation Dr	C3	2	2 Lane - Major Collector - Proposed
Foxwild Ln	Orange Cosmos Ave	Song Sparrow Dr	A1	2	2 Lane - Local Street - Proposed
Friendship Chapel Rd	S Main St	End of Segment	B4	2	2 Lane - Minor Collector - Proposed
Friendship Chapel Rd	WF Town Office	Dunn Creek	B1	2	2 Lane - Minor Collector - Proposed
Friendship Chapel Rd	Dunn Creek Greenway	Heritage Lake Rd	B4	2	2 Lane - Minor Collector - Needs Improvement
Front St	N Main St	E Roosevelt Ave	S	0	2 Lane - Special Study - Needs Improvement
Gilcrest Farm Rd	Royal Mill Ave	N15	C6	3	3 Lane - Major Collector - Proposed
Grandmark St	Rogers Rd	Capcom Ave	B1	2	2 Lane - Minor Collector - Proposed
Granite Falls Pl	Granite Falls Blvd	Burlington Mills Rd	B1	2	2 Lane - Minor Collector - Needs Improvement
Greenville Loop Rd	Cedar Rock Dr	Forestville Rd	A1	2	2 Lane - Local Street - Proposed
Hampton Way	entire segment		B1	2	2 Lane - Minor Collector - Needs Improvement
Harris Road	N Main St	N White St	C6	3	3 Lane - Major Collector - Needs Improvement
Harris Road	US-1	N Main St	D1	4	4 Lane - Major Collector - Needs Improvement
Heritage Branch Rd	Branch Ferry Ct	Rogers Rd	B1	2	2 Lane - Minor Collector - Proposed



Street Name	Cross Street 1	Cross Street 2	Road Section	Number of Lanes	Type
Heritage Farm Road Stub			X	0	2 Lane - Continue existing - Proposed
Heritage Lake Rd	NC-98 Bypass	Rogers Rd	F1	4	4 Lane - Minor Arterial - Needs Improvement
Hidden Hook Ln	Chalk Rd	Tortuga St	A1	2	2 Lane - Local Street - Proposed
Holding Village Way	Highpoint St	Friendship Chapel Rd	B6	2	2 Lane - Minor Collector - Proposed
Jenkins Rd	US-1	Thompson Mill Rd	B1	2	2 Lane - Minor Collector - Needs Improvement
Jones Dairy Rd	Dr Calvin Jones Hwy	Averette Rd	D1	4	4 Lane - Major Collector - Needs Improvement
Jubilee Ct	E Perry Ave	E Juniper Ave	A1	2	2 Lane - Local Street - Needs Improvement
Lakeview Ave	S Wingate St	S Main St	A1	2	2 Lane - Local Street - Needs Improvement
Ligon Mill Ext	Agrora Drive	Stadium Drive	C6	3	3 Lane - Major Collector - Proposed
Ligon Mill Ext	Stadium Drive	Harris Road	C4	3	3 Lane - Major Collector - Proposed
Ligon Mill Rd	Caveness Farms Ave	S Main St	D3	4	4 Lane - Major Collector - Needs Improvement
Ligon Mill Rd	S Main St	Louisburg Road	C5	2	2 Lane - Major Collector - Needs Improvement
Ligon Mill Rd	Reynolds Mill Rd	Agora Drive	D1	4	4 Lane - Major Collector - Proposed



Street Name	Cross Street 1	Cross Street 2	Road Section	Number of Lanes	Type
Lola Ln	Wake Union Church Rd	End	A1	2	2 Lane - Local Street - Proposed
Lowes Ave	N03	End	B1	2	2 Lane - Minor Collector - Proposed
Marshall Farm St Stub			X	0	2 Lane - Continue existing - Proposed
Matrix Farm Dr	Averette Rd	Zebulon Rd	B1	2	2 Lane - Minor Collector - Proposed
Meadstone Way	New Roadway	Urial Drive	A1	2	2 Lane - Local Street - Needs Improvement
Minna Rd	Jones Dairy Rd	Chalk Rd	B1	2	2 Lane - Minor Collector - Proposed
N Main St	Harris Rd	Richland Creek	D1	4	4 Lane - Major Collector - Needs Improvement
N White St	E Roosevelt Ave	E Juniper Ave	B2	2	2 Lane - Minor Collector - Needs Improvement
N White St	E Juniper Ave	Thompon Cir	B3	3	3 Lane - Minor Collector - Needs Improvement
N Wingate St	W Juniper Ave	W Chestnut Ave	A1	2	2 Lane - Local Street - Needs Improvement
N Wingate St	Shapsinay Ave	End	A1	2	2 Lane - Local Street - Proposed
NC-98 Bypass	Old Falls of Neuse Rd	Jones Dairy Rd	G1	4	4 Lane - Other Principal Arterial - Needs Improvem
New Road	US-1 at Sunset Dr	Averette Rd at Oak Grove Church Rd	E1	2	2 Lane - Minor Arterial - Proposed



Street Name	Cross Street 1	Cross Street 2	Road Section	Number of Lanes	Type
New Road	Windermere Ln	Wall Rd	B1	2	2 Lane - Minor Collector - Proposed
New Road	Fulworth Ave	N15	B1	2	2 Lane - Minor Collector - Proposed
New Road	Averette Rd	Wait Ave	B1	2	2 Lane - Minor Collector - Proposed
New Road	Star Rd	Ligon Mill Rd	B1	2	2 Lane - Minor Collector - Proposed
New Road	Wellspring Farms Ln	Burlington Mills Rd	B1	2	2 Lane - Minor Collector - Needs Improvement
New Road	Height Ln	Forest Rd	B1	2	2 Lane - Minor Collector - Proposed
New Road	N02	N51	A1	2	2 Lane - Local Street - Proposed
New Road	Windermere Ln	Wall Rd	B1	2	2 Lane - Minor Collector - Proposed
New Road	N18	NC96	B1	2	2 Lane - Minor Collector - Proposed
New Road	Haltwhistle St	N15	B4	2	2 Lane - Minor Collector - Proposed
New Road	Burlington Mills Rd	US-401	B1	2	2 Lane - Minor Collector - Proposed
New Road	Burlington Mills Rd	N34	B1	2	2 Lane - Minor Collector - Proposed
New Road	Wellspring Farms Ln	Granite Falls Pl	B1	2	2 Lane - Minor Collector - Needs Improvement
New Road	Endgame Ct	Main Divide Dr	B1	2	2 Lane - Minor Collector - Proposed
New Road	Gilcrest Farm Rd	N18	B1	2	2 Lane - Minor Collector - Proposed
New Road	N15	NC-96	B1	2	2 Lane - Minor Collector - Proposed
New Road	Wait Ave	Jones Dairy Rd	B1	2	2 Lane - Minor Collector - Proposed



Street Name	Cross Street 1	Cross Street 2	Road Section	Number of Lanes	Type
New Road	Gilcrest Farm Rd	Oak Grove Church Rd	B1	2	2 Lane - Minor Collector - Proposed
New Road	Shearon Farms Ave	Meadstone Way	B1	2	2 Lane - Minor Collector - Proposed
New Road	Shearon Farms Ave	Burlington Mills Road	B1	2	2 Lane - Minor Collector - Proposed
New Road	Star Road	New Roadway	B1	2	2 Lane - Minor Collector - Proposed
New Road	Ligon Mill Ext	Agora Dr	D1	4	4 Lane - Major Collector - Proposed
New Road	N White St	Hatters Branch	B1	2	2 Lane - Minor Collector - Proposed
New Road	Shearon Farms	Neuse River	B1	2	2 Lane - Minor Collector - Proposed
New Road	N02	N83	B6	2	2 Lane - Minor Collector - Proposed
New Road	US-1 Freeway	N82	SC	0	2 Lane - Special Condition - Proposed
North Ave	N Wingate St	N Main St	S	0	2 Lane - Special Study - Needs Improvement
Oak Grove Church St	Traditions Grande Blvd	Zebulon Rd	C6	3	3 Lane - Major Collector - Needs Improvement
Park Vista Dr	Harris Rd	Rocky Crest Ln	A1	2	2 Lane - Local Street - Proposed
Penfield St Stub			X	0	2 Lane - Continue existing - Proposed
Penfold Ln	Lola Ln	Kearney Rd	A1	2	2 Lane - Local Street - Proposed
Pineview Dr Stub			X	0	2 Lane - Continue existing - Proposed
Ponderosa Service Road	Nello Circle	Common Oaks Drive	B1	2	2 Lane - Minor Collector - Needs Improvement



Street Name	Cross Street 1	Cross Street 2	Road Section	Number of Lanes	Type
Purnell Rd	Capital Blvd	Thompson Mill Rd	B1	2	2 Lane - Minor Collector - Needs Improvement
Retail Drive	NC-98 Bypass	NC-98 Durham Rd	B3	3	3 Lane - Minor Collector - Needs Improvement
Richland Dr	N51	N82	D1	4	4 Lane - Major Collector - Proposed
Richland Dr	N03	End	A1	2	2 Lane - Local Street - Proposed
Richland Ridge Dr	Siena Way	End	A1	2	2 Lane - Local Street - Proposed
Robin Ave Stub			X	0	2 Lane - Continue existing - Proposed
Robin Ave Stub			X	0	2 Lane - Continue existing - Proposed
Rogers Branch Rd	Rogers Rd	Foundation Dr	C6	3	3 Lane - Major Collector - Needs Improvement
Rogers Rd	S Main St	Heritage Gates Dr	D1	4	4 Lane - Major Collector - Needs Improvement
Rolling Acres Rd Stub			X	0	2 Lane - Continue existing - Proposed
Royal Mill Ave	N White St	Traditions Grande Blvd	C6	3	3 Lane - Major Collector - Needs Improvement
S Allen Rd	Elm Ave	Wait Ave	A1	2	2 Lane - Local Street - Needs Improvement
S Allen Rd	Middle Bridge Rd	E Holding Ave	A1	2	2 Lane - Local Street - Needs Improvement
S Allen Rd Stub			X	0	2 Lane - Continue existing - Proposed



Street Name	Cross Street 1	Cross Street 2	Road Section	Number of Lanes	Type
S Franklin St	Heritage Greens Dr	Rogers Rd	D1	4	4 Lane - Major Collector - Proposed
S Main St	US-1	South Ave	S	0	4 Lane - Special Study - Needs Improvement
S Wingate St	W Holding Ave	South Ave	A1	2	2 Lane - Local Street - Needs Improvement
S Wingate St	South Ave	North Ave	S	0	2 Lane - Special Study - Needs Improvement
Service Road	Nello Cir	Teletec Plz	B1	2	2 Lane - Minor Collector - Proposed
Shearon Farms	Burlington Mills Rd	End	B6	2	2 Lane - Minor Collector - Proposed
Shuford Rd	Jones Farm Rd	End	B1	2	2 Lane - Minor Collector - Proposed
Song Sparrow Rd	Ligon Mill Rd	Redstart Ct	A1	2	2 Lane - Local Street - Needs Improvement
Song Sparrow Rd	Trawden Dr	Forestville Rd	A1	2	2 Lane - Local Street - Needs Improvement
Song Sparrow Rd Stub			X	0	2 Lane - Continue existing - Proposed
South Ave	S Main St	S Wingate St	S	0	2 Lane - Special Study - Needs Improvement
St Catherines Drive	Ligon Mill Ext	Galashiels Place	B1	2	2 Lane - Minor Collector - Needs Improvement
Stadium Drive	US-1	N Wingate St	C4	3	3 Lane - Major Collector - Needs Improvement



Street Name	Cross Street 1	Cross Street 2	Road Section	Number of Lanes	Type
Starr Road	Cliff Lane	Capital Powersports Lot	B1	2	2 Lane - Minor Collector - Needs Improvement
Sterling Lake Dr Stub			X	0	2 Lane - Continue existing - Proposed
Stone Fly Dr	Green Drake Dr	Pristine Ln	B1	2	2 Lane - Minor Collector - Proposed
Stroller Ridge Drive Ext			B1	2	2 Lane - Minor Collector - Proposed
Sweetclover Dr	Longmont Dr	Winter Spring Dr	B1	2	2 Lane - Minor Collector - Proposed
Templeridge Road	Ligon Mill Ext	Kilmarnock Court	B1	2	2 Lane - Minor Collector - Needs Improvement
Ten Point Trail	Elf Ct	Burlington Mills Rd	B1	2	2 Lane - Minor Collector - Proposed
Unicon Dr	Height Lane	Unicorn Dr	H1	2	2 Lane - Industrial - Needs Improvement
US 1/Capital Boulevard	I-540	Wake/Franklin County Line	FWY	6	6 Lane - Freeway - Needs Improvement
W Holding Ave	Richland Ridge Dr	Galaxy Dr	B1	2	2 Lane - Minor Collector - Proposed
W Oak Road	Harris Road	N Main St	B1	2	2 Lane - Minor Collector - Needs Improvement
Wait Ave	S Allen Rd	Traditions Grande Blvd	C6	3	3 Lane - Major Collector - Needs Improvement
Wait Ave	Traditions Grande Blvd	Averette Way	F1	4	4 Lane - Minor Arterial - Needs Improvement



Street Name	Cross Street 1	Cross Street 2	Road Section	Number of Lanes	Type
Wake Drive	Wake Drive	S Main St	B1	2	2 Lane - Minor Collector - Needs Improvement
Wake Union Church Rd	Durham Rd	Country Club Dr	C4	3	3 Lane - Major Collector - Needs Improvement
Wakefield Plantation Drive	Honeychurch St	NC 98	B1	2	2 Lane - Minor Collector - Needs Improvement
Wall Road	US-1	Harris Road	B1	2	2 Lane - Minor Collector - Needs Improvement
Waterford Ridge Ln	Reindeer Moss Dr	End	A1	2	2 Lane - Local Street - Proposed
Whistable Ave	Wall Rd	N White St	B1	2	2 Lane - Minor Collector - Proposed
Windermere Ln	Wallridge Dr	N Meadows Ct	B1	2	2 Lane - Minor Collector - Proposed
Wingate St Stub			X	0	2 Lane - Continue existing - Proposed
Wingate St Stub			X	0	2 Lane - Continue existing - Proposed
Winterspring Dr	Sweetclover Dr	Averette Rd	B1	2	2 Lane - Minor Collector - Proposed
Woodfield Creek Dr	Ligon Mill Rd	Stone Monument Dr	A1	2	2 Lane - Local Street - Proposed
Woodstaff Ave Stub			X	0	2 Lane - Continue existing - Proposed



Roadway Typical Sections

A1



B1



B2



B3





B4



B5



B6

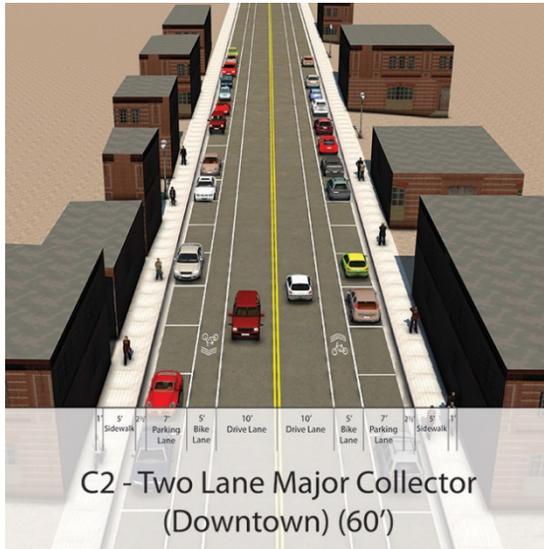


C1





C2



C3



C4



C5

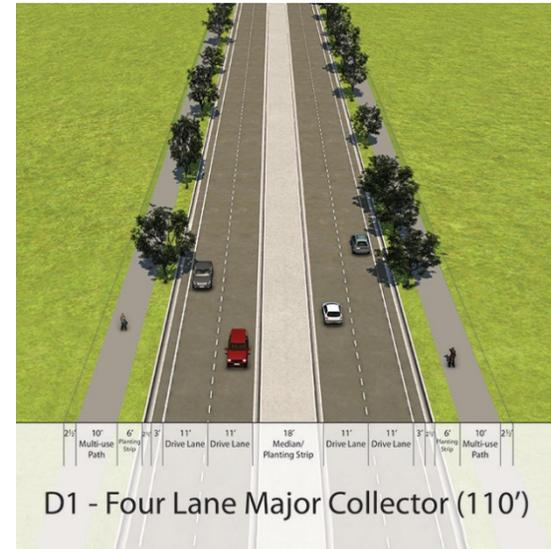




C6



D1



D2

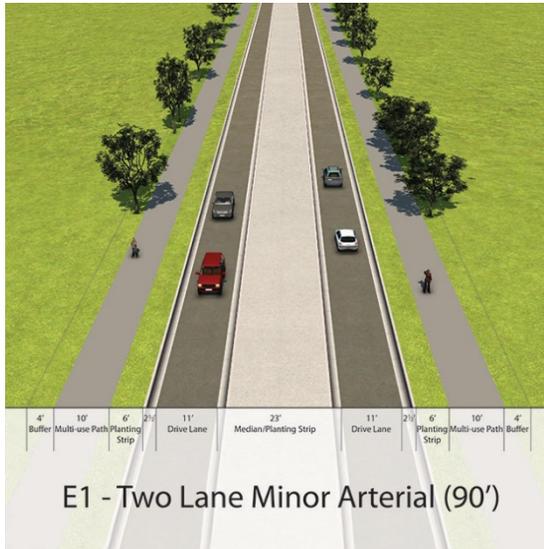


D3

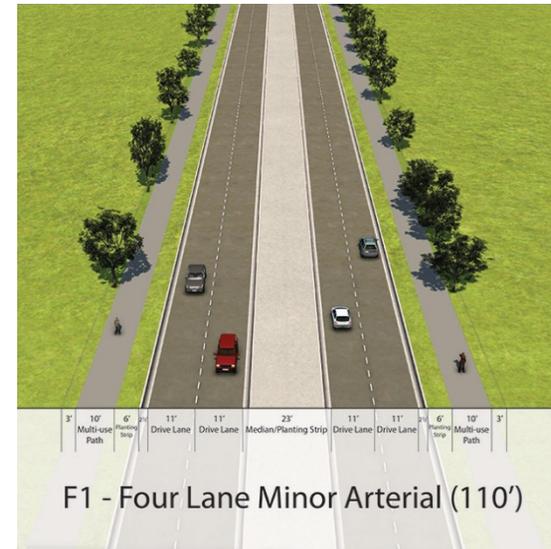




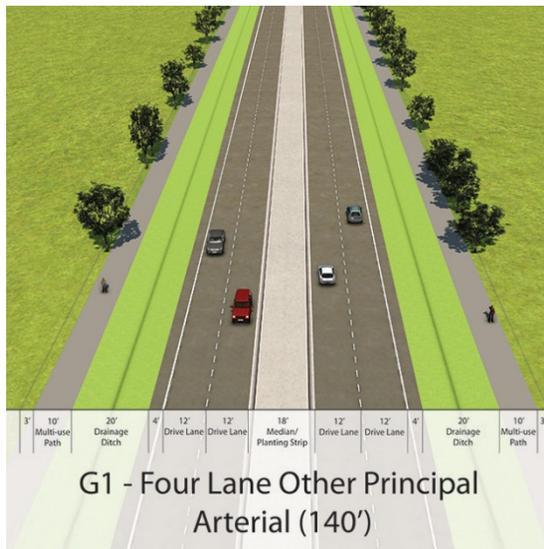
E1



F1



G1



H1

