Wake Forest
Transportation Plan Update
2010

Appendix A

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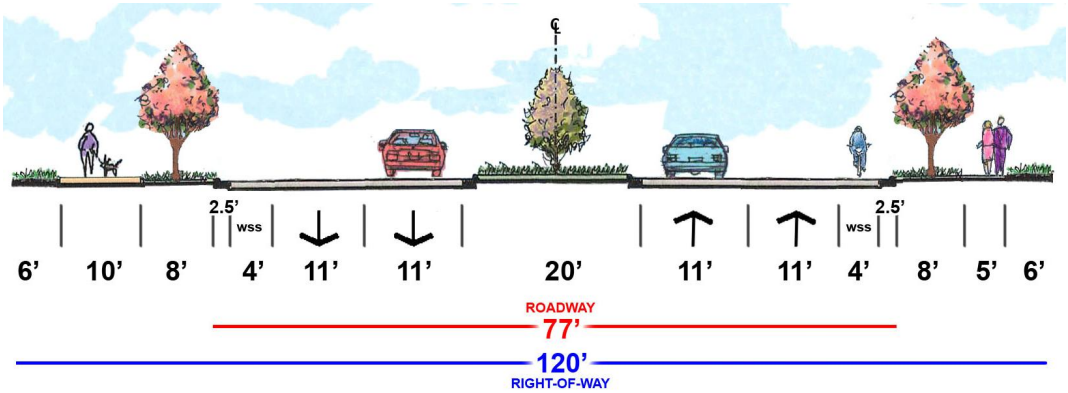
Burlington Mills Road — Capital Boulevard (US 1) to Ligon Mill Road

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	24 to 36 ft	60 ft	2	None	45 mph	Major	11,000	17,500	—
2035	75 ft	120 ft	4	Landscaped Median	45 mph	Major	36,400	41,400	D

NCDOT Road

Typical Cross Section

4-Lane Divided with Wide Striped Shoulders and Multi-Use Path



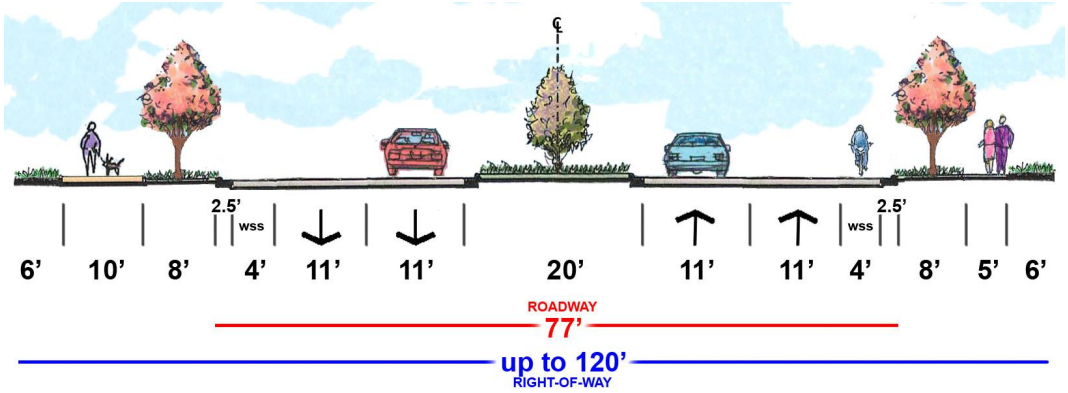
Burlington Mills Road — Ligon Mill Road to Forestville Road

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	24 to 36 ft	60 ft	2	None	45 mph	Major	7,100	12,000	—
2035	75 ft	100 to 120 ft	4	Landscaped Median	45 mph	Major	36,000	41,400	D

NCDOT Road

Typical Cross Section

4-Lane Divided with Wide Striped Shoulders and Multi-Use Path



Note: When right-of-way constraints preclude the construction of the cross sections as shown, alternatives will be considered on a case by case basis (including placement of trees, paths, or sidewalks in easements adjacent to the ROW, narrowed lanes, or reduced verge areas).

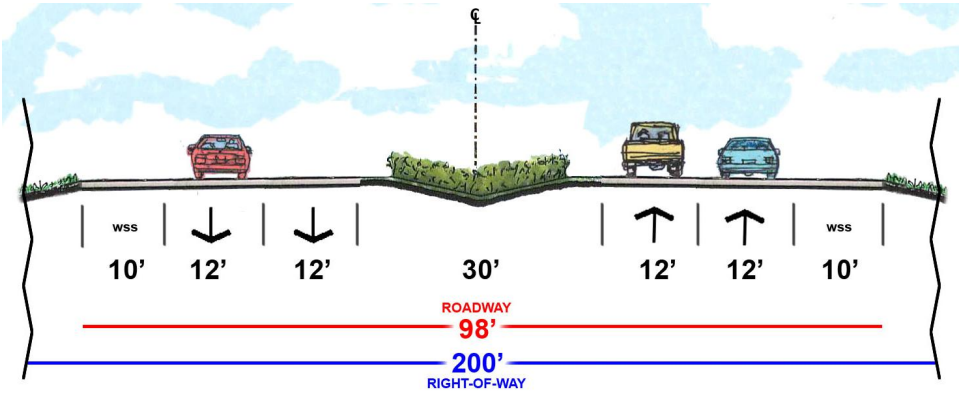
Capital Boulevard (US 1) — Wake County Line to Purnell Road/Harris Road

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	n/a ft	200 ft	4	Landscaped Median	55 mph	Major	n/a	38,000	—
2035	n/a ft	200 ft	4	Landscaped Median	55 mph	Major	55,600	53,240	E

NCDOT Road

Typical Cross Section

4-Lane Divided Freeway



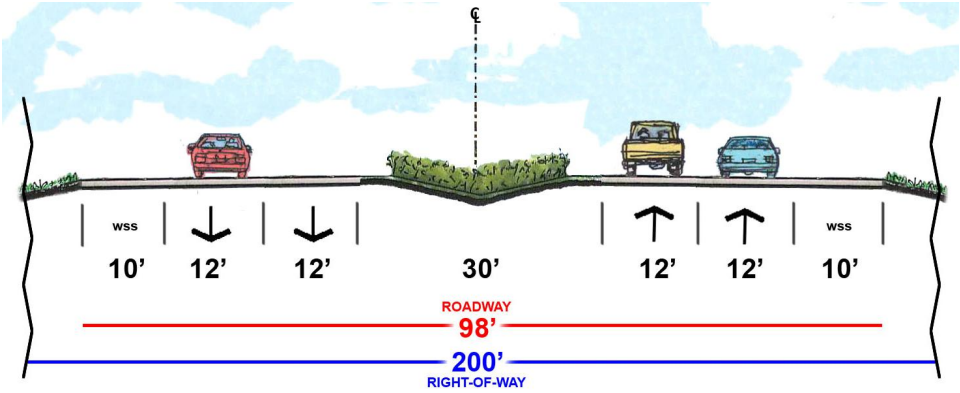
Capital Boulevard (US 1) — Purnell Road/Harris Road to Durham Road

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	n/a ft	200 ft	4	Landscaped Median	55 mph	Major	28,400	38,000	—
2035	n/a ft	200 ft	4	Landscaped Median	55 mph	Major	59,100	53,300	E

NCDOT Road

Typical Cross Section

4-Lane Divided Freeway



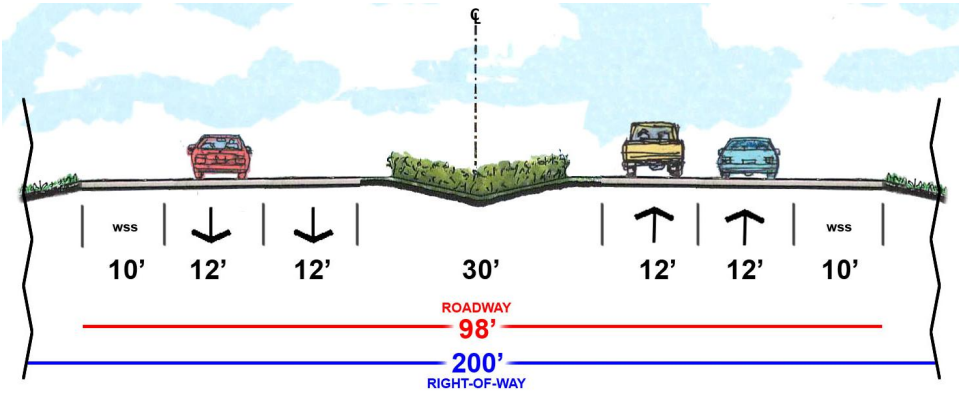
Capital Boulevard (US 1) — Durham Road to South Main Street

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	n/a ft	200 ft	4	Landscaped Median	55 mph	Major	43,000	38,000	—
2035	n/a ft	200 ft	4	Landscaped Median	55 mph	Major	50,800	53,300	D

NCDOT Road

Typical Cross Section

4-Lane Divided Freeway



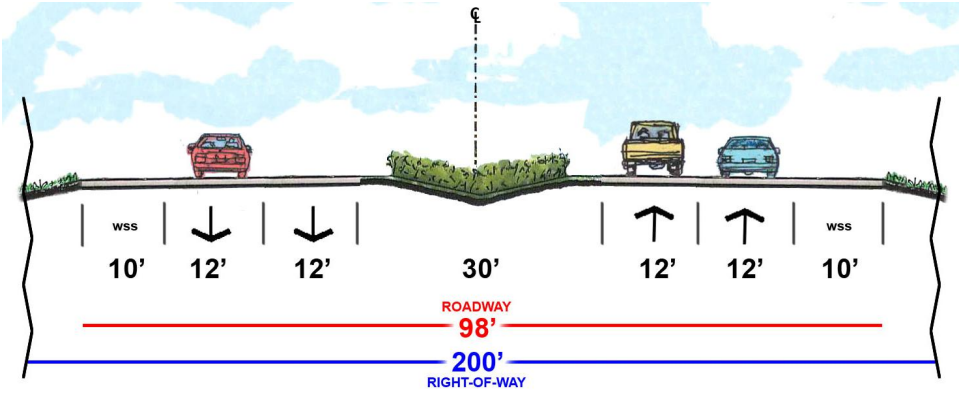
Capital Boulevard (US 1) — South Main Street to Burlington Mills Road

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	n/a ft	250 ft	4	Landscaped Median	55 mph	Major	35,000	46,000	—
2035	n/a ft	250 ft	4	Landscaped Median	55 mph	Major	73,200	53,300	F

NCDOT Road

Typical Cross Section

4-Lane Divided Freeway

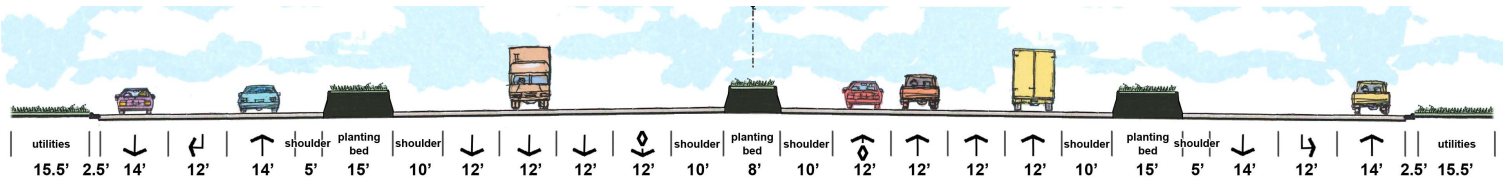


Capital Boulevard (US 1) — Ultimate Cross Section

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
Post 2035		350 ft	8 freeway 3-lane frontage	22' with barrier and shoulders; no openings	65 mph	Freeway	102,000	88,000	F

Typical Cross Section

6-Lane Freeway with HOV Lanes and 3-Lane Frontage Roads



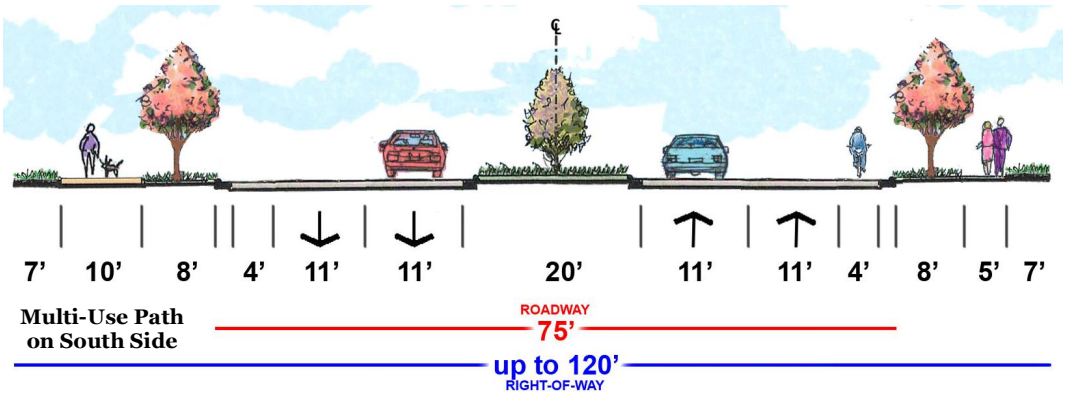
Durham Road — Dr. Calvin Jones Highway to Wake Union Church Road

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	32 ft	100 ft	2	None	55 mph	Major	n/a	17,500	—
2035	75 ft	100 to 120 ft	4	Landscaped Median	45 mph	Major	17,200	35,000	B

NCDOT Road

Typical Cross Section

4-Lane Divided with Wide Outside Lanes and a Multi-Use Path



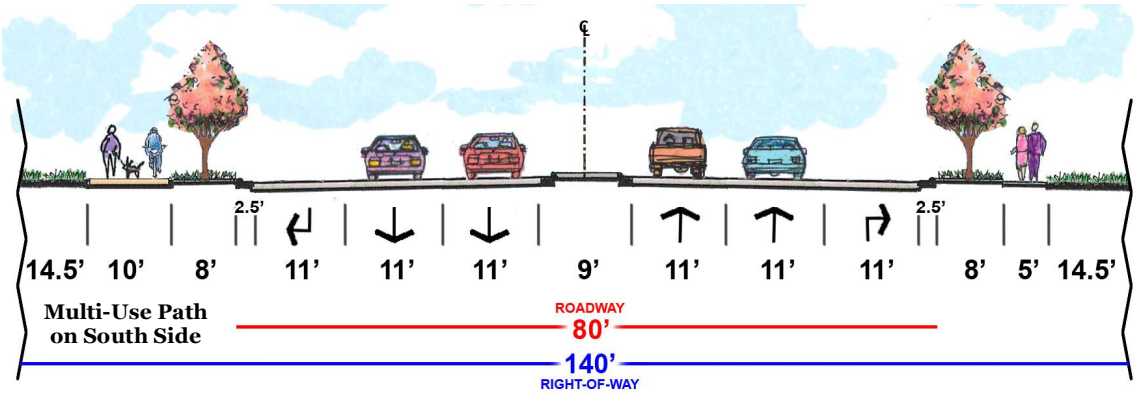
Durham Road — Wake Union Church Road to US 1 Northbound Ramps

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	70 to 80 ft	140 ft	2	Left-turn Lanes at Intersections and Driveways	45 mph	Major	19,700	18,000	—
2035	80 ft	140 ft	4	Concrete Median	35 mph	Major	22,100	41,400	B

NCDOT Road

Typical Cross Section

4-Lane Divided (with Continuous Right Turn Lanes) a Multi-Use Path



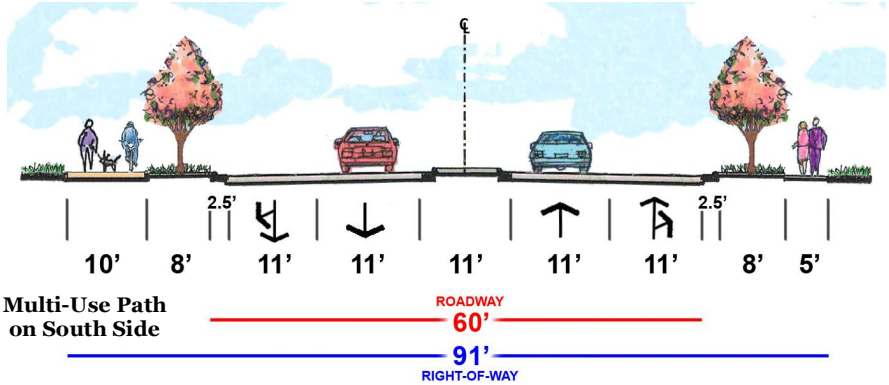
Durham Road — US 1 Northbound Ramps to Ligon Mill Road Extension

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	40 ft	65 ft	2	Left-turn Lanes at Intersections and Driveways	35 mph	Major	n/a	18,000	—
2035	60 ft	91 ft	2	Left-turn Lanes at Intersections and Driveways	35 mph	Major	20,500	21,400	D

NCDOT Road

Typical Cross Section

2 Lanes Divided with Continuous Right-Turn Lane (and Center Turn Lane where necessary), Paved Shoulders, and a Multi-Use Path



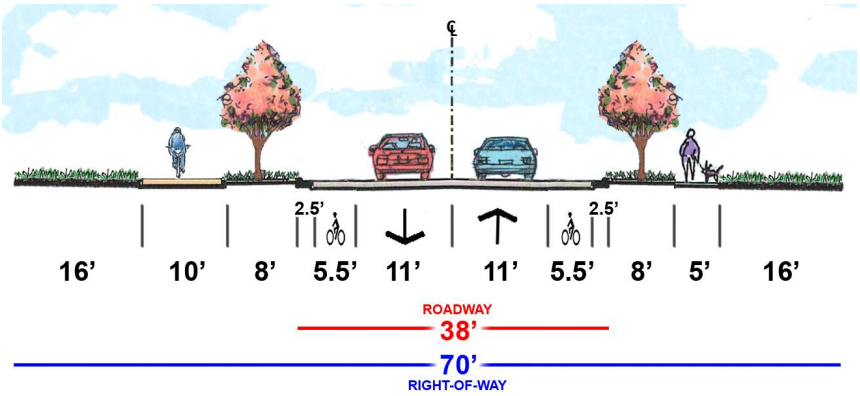
Durham Road — Ligon Mill Road Extension to Tyler Run Drive

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	24 ft	60 ft	2	None	35 mph	Major	n/a	14,500	—
2035	38 ft	70 ft	2	Left-turn Lanes at Intersections and Driveways	35 mph	Major	17,300	21,400	D

NCDOT Road

Typical Cross Section

2 Lanes with Bike Lanes and Multi-Use Path



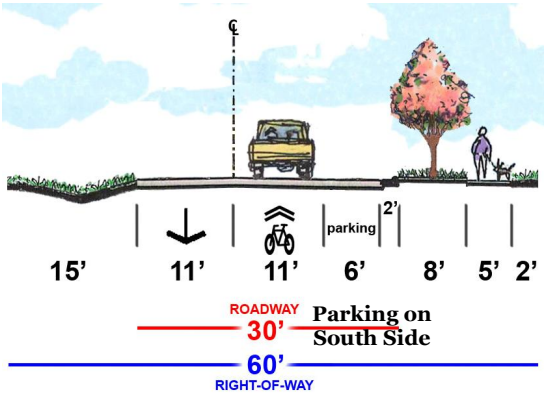
Durham Road — Tyler Run Drive to Wingate Street

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	30 ft	60 ft	2	None	35 mph	Major	14,200	14,500	—
2035	30 ft	60 ft	2	None	35 mph	Major	8,700	14,500	C

NCDOT Road

Typical Cross Section

2 Lanes with Parallel Parking on South Side



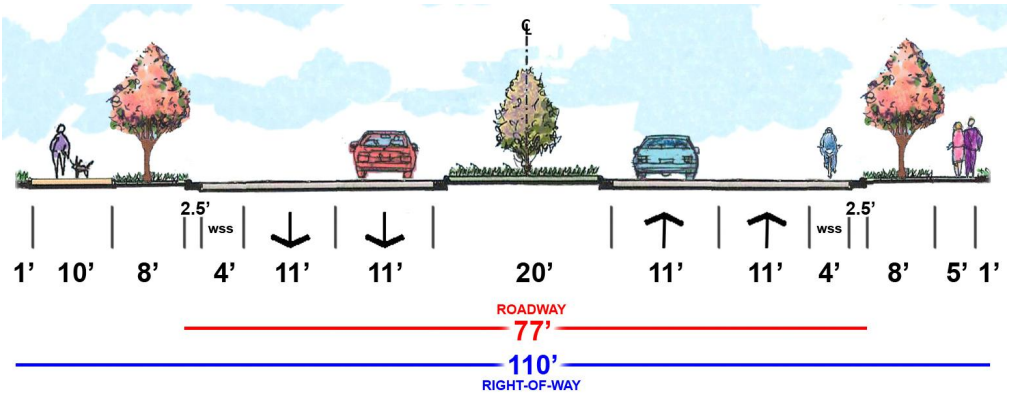
Forestville Road — Rogers Road to Toms Creek

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	19 ft	60 ft	2	None	50 mph	Major	n/a	12,000	—
2035	77 ft	110 ft	4	Landscaped Median	45 mph	Major	31,700	41,400	C

NCDOT Road

Typical Cross Section

4-Lane Divided with Wide Striped Shoulders



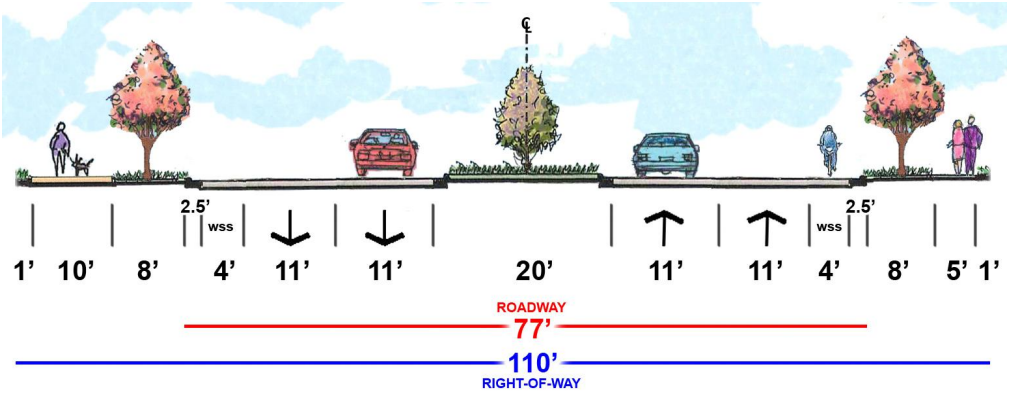
Forestville Road — Toms Creek to Louisburg Road (US 401)

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	20 to 36 ft	60 ft	2	None	45 mph	Major	n/a	12,000	—
2035	77 ft	110 ft	4	Landscaped Median	45 mph	Major	22,000	41,400	B

NCDOT Road

Typical Cross Section

4-Lane Divided with Wide Striped Shoulders



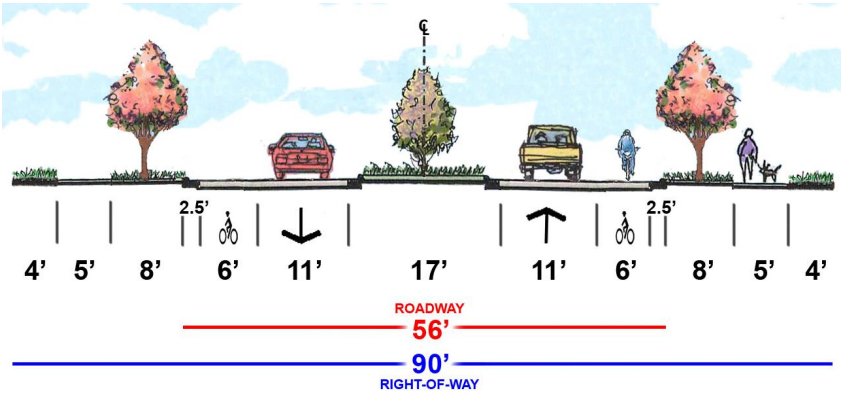
Franklin Street — Wait Avenue to Dr. Calvin Jones Highway

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	50 ft	90 ft	2	Two-way Left-turn Lane	35 mph	Minor	n/a	32,000	—
2035	56 ft	90 ft	4	Landscaped Median	35 mph	Major	n/a	21,400	n/a

Town of Wake Forest Road

Typical Cross Section

2-Lane Divided with Bike Lanes



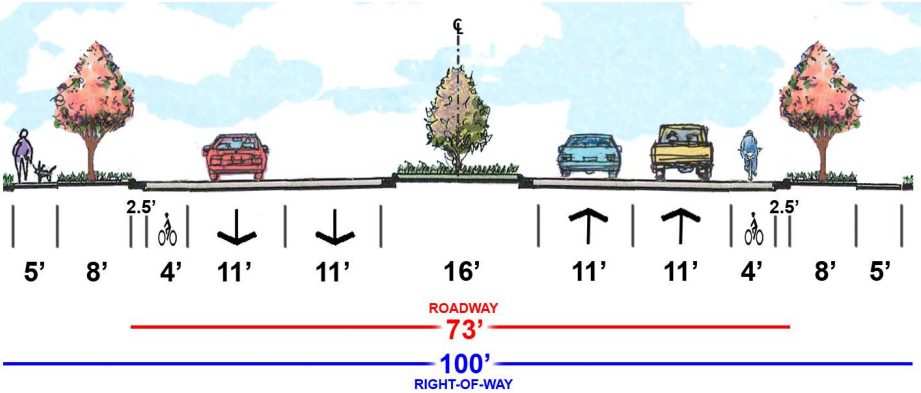
Franklin Street Extension — Dr. Calvin Jones Highway to Rogers Road

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	24 ft	90 ft	2	Not constructed	35 mph	Major	n/a	14,600	—
2035	73 ft	100 ft	4	Landscaped Median	35 mph	Major	11,800	32,000	A

Town of Wake Forest Road

Typical Cross Section

4-Lane Divided with Bike Lanes

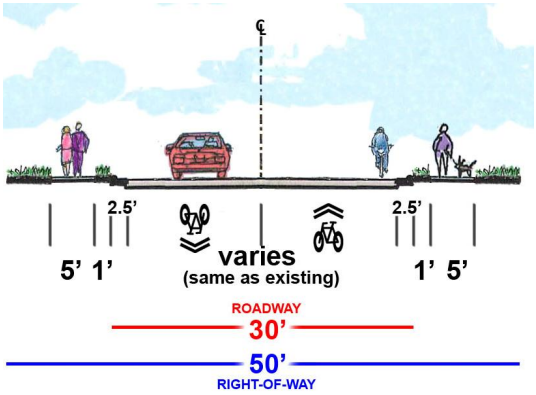


Front Street — North Main Street to South Main Street									
Year	**Roadway Width**	**ROW**	**Lanes**	**Median / Left-Turn Treatment**	**Speed Limit**	**Street Type**	**ADT**	**Capacity**	**Future LOS**
2007	30 ft	50 ft	2	None	25 mph	Major	13,000	17,500	—
2035	30 ft	50 ft	2	None	25 mph	Major	20,500	17,300	E

NCDOT Road

Typical Cross Section

2 Lanes with Sharrows



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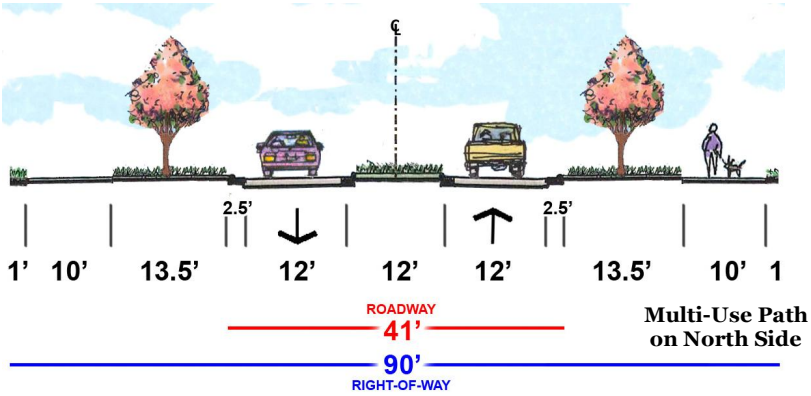
Harris Road — Capital Boulevard (US 1) to Oak Avenue/Wall Road

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	21 ft	60 ft	2	None	45 mph	Major	2,100	12,000	—
2035	36 ft	90 ft	2	Left-turn Lanes at Intersections and Driveways	45 mph	Major	16,300	18,000	D

NCDOT Road

Typical Cross Section

2-Lane Divided with Multi-Use Paths



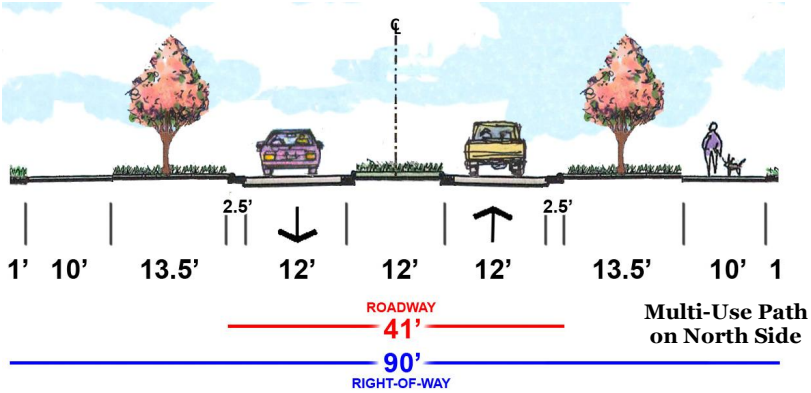
Harris Road — Oak Avenue/Wall Road to North Main Street

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	24 to 40 ft	90 ft	2	None	45 mph	Major	n/a	17,500	—
2035	36 ft	90 ft	2	Left-turn Lanes at Intersections and Driveways	35 mph	Major	17,900	20,700	D

NCDOT Road

Typical Cross Section

2-Lane Divided with Multi-Use Paths



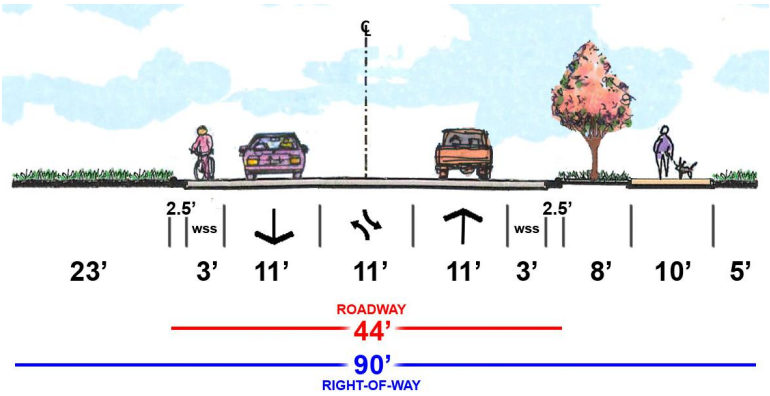
Heritage Lake Road — Dr. Calvin Jones Highway to Rogers Road

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	28 to 40 ft	90 ft	2	None	35 mph	Major	6,500	14,600	—
2035	44 ft	90 ft	2	Left-turn Lanes at Intersections and Driveways	35 mph	Major	20,100	20,700	D

NCDOT Road

Typical Cross Section

3 Lanes with Wide Striped Shoulders and a Multi-Use Path



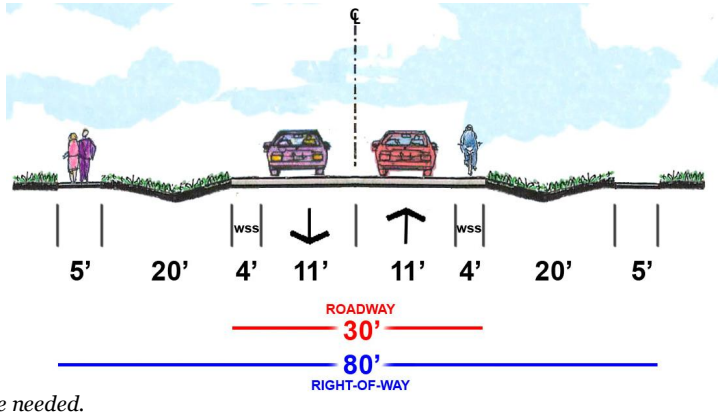
Jenkins Road — Thompson Mill Road to Capital Boulevard (US 1)

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	21 ft	60 ft	2	None	45 mph	Major	3,000	12,000	—
2035	30 ft	70 ft	2	None	45 mph	Major	6,000	17,300	A

NCDOT Road

Typical Cross Section

2 Lanes with Wide Striped Shoulders



Note: Add left-turn lanes where needed.

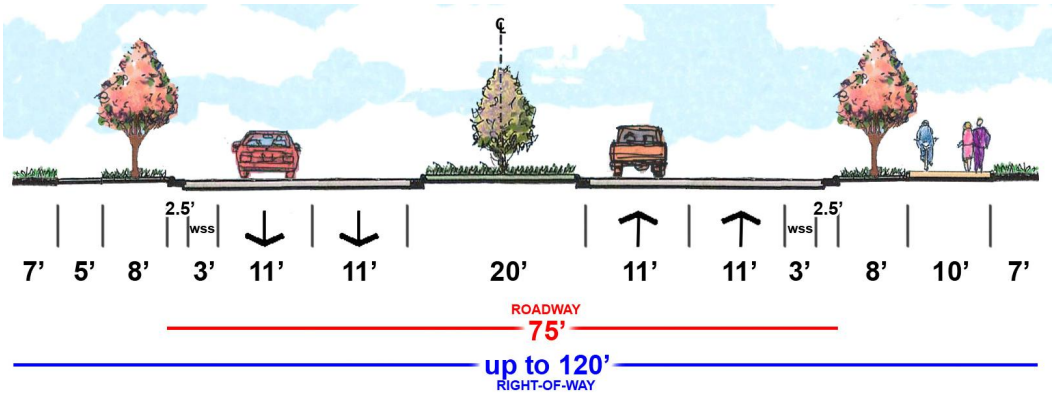
Jones Dairy Road — East Wait Avenue (NC 98) to Averette Road

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	22 to 26 ft	60 ft	2	None	50 mph	Major	5,500	12,000	—
2035	75 ft	100 to 120 ft	4	Landscaped Median	45 mph	Major	21,500	41,400	B

NCDOT Road

Typical Cross Section

4-Lane Divided with Wide Striped Shoulders and a Multi-Use Path



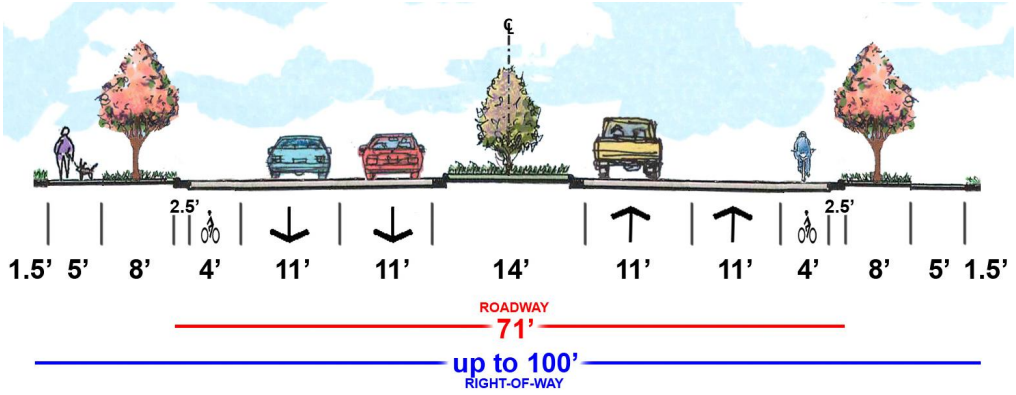
Ligon Mill Road Extension — Stadium Drive to Durham Road

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	n/a ft	0 ft	0	Not constructed	0 mph	n/a	n/a	0	—
2035	50 ft	90 ft	4	Left-turn Lanes at Intersections and Driveways	45 mph	Major	4,700	41,400	A

Town of Wake Forest Road

Typical Cross Section

4 Lanes with Bike Lanes



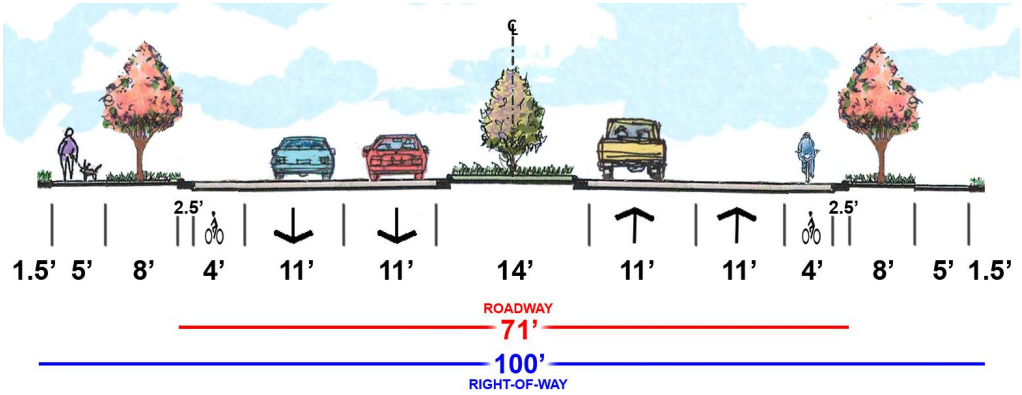
Ligon Mill Road Extension — Durham Road to Dr. Calvin Jones Highway

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	—
2035	71 ft	100 ft	4	Landscaped Median	45 mph	Major	5,700	41,400	A

Town of Wake Forest Road

Typical Cross Section

4-Lane Divided with Bike Lanes



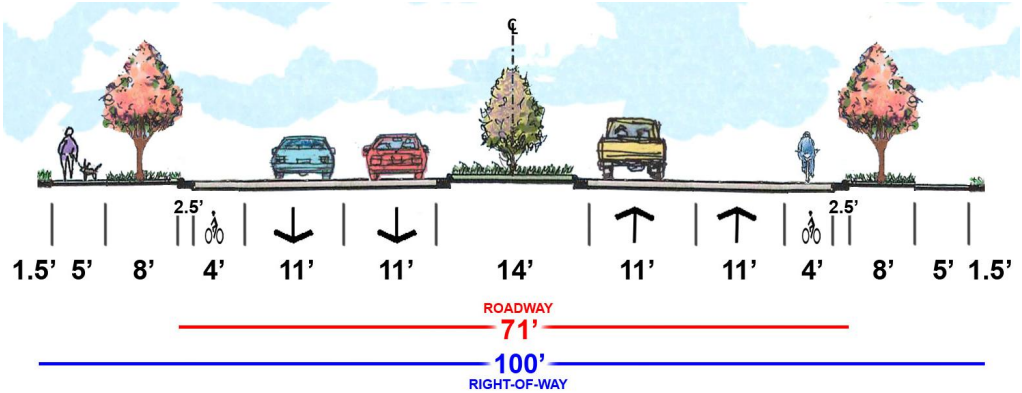
Ligon Mill Road — Dr. Calvin Jones Highway to South Main Street

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	24 to 46 ft	60 ft	2	None	35 mph	Major	2,100	12,000	—
2035	71 ft	100 ft	4	Landscaped Median	45 mph	Major	19,600	34,700	B

NCDOT Road

Typical Cross Section

4-Lane Divided with Bike Lanes



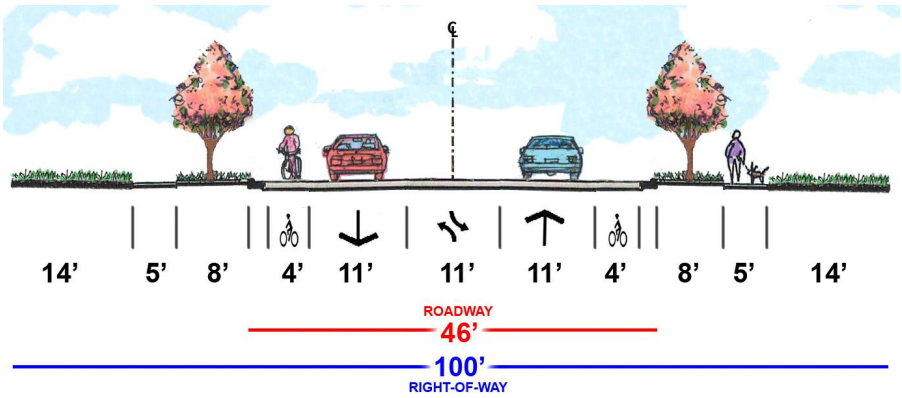
Ligon Mill Road — South Main Street to Toms Creek

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	24 to 46 ft	60 to 100 ft	2	Left-turn Lanes at Intersections and Driveways	35 to 45 mph	Major	7,900	14,600	—
2035	46 ft	100 ft	2	Left-turn Lanes at Intersections and Driveways	45 mph	Major	23,400	25,900	D

NCDOT Road

Typical Cross Section

3 Lanes with Bike Lanes



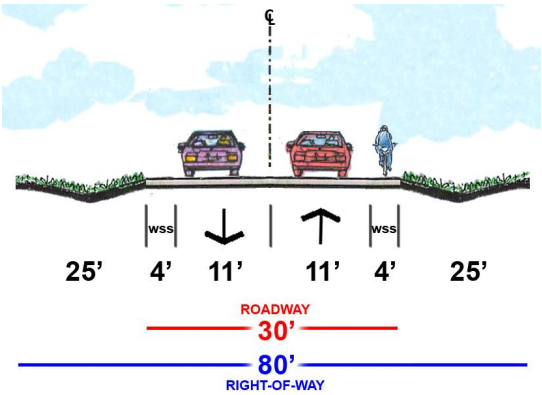
Ligon Mill Road — Toms Creek to Louisburg Road (US 401)

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	20 to 24 ft	60 ft	2	None	45 mph	Major	n/a	12,000	—
2035	30 ft	90 ft	2	Left-turn Lanes at Intersections and Driveways	45 mph	Major	22,700	21,600	E

NCDOT Road

Typical Cross Section

2 Lanes with Wide Striped Shoulders



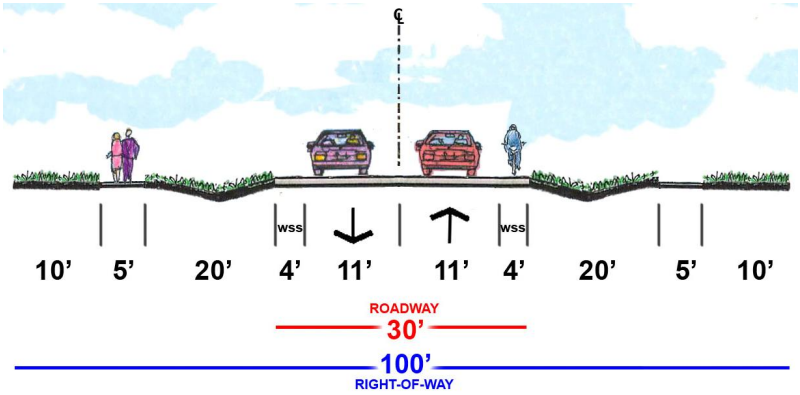
North Main Street — Wake Forest Planning Jurisdiction to Harris Road

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	22 ft	100 ft	2	None	45 mph	Major	2,400	12,000	—
2035	30 ft	100 ft	2	None	45 mph	Major	17,800	17,300	E

NCDOT Road

Typical Cross Section

2 Lanes with Wide Striped Shoulders



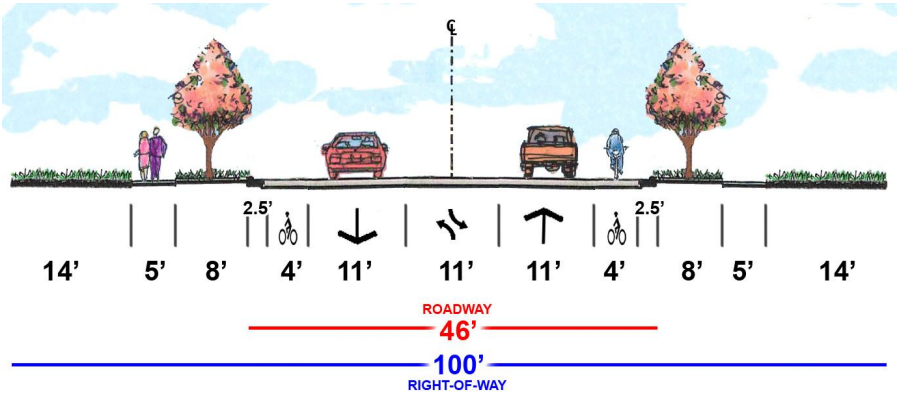
North Main Street — Harris Road to Chestnut Avenue

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	30 ft	100 ft	2	None	35 mph	Major	n/a	17,500	—
2035	46 ft	100 ft	2	Left-turn Lanes at Intersections and Driveways	35 mph	Major	15,100	21,400	C

NCDOT Road

Typical Cross Section

3 Lanes with Bike Lanes



North Main Street — Chestnut Avenue to Oak Avenue

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	30 ft	60 ft	2	None	35 mph	Major	n/a	17,500	—
2035							15.100		

NCDOT Road

Typical Cross Section

To Be Determined

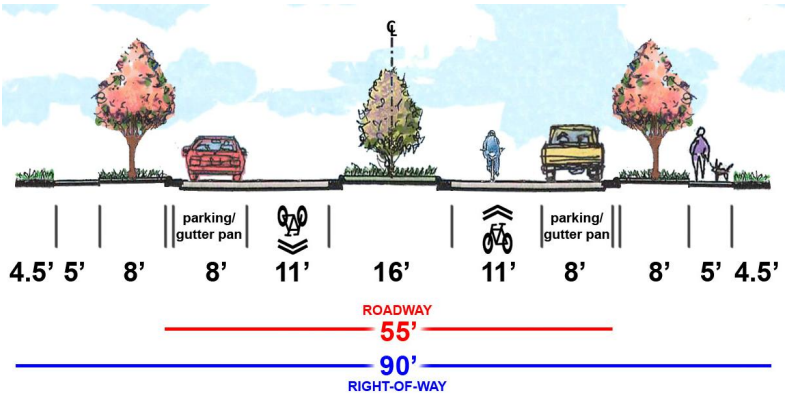
North Main Street — Oak Avenue to North Avenue

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	55 ft	90 ft	2	None	35 mph	Major	5,800	17,500	—
2035	55 ft	90 ft	2	None	35 mph	Major	15,200	21,400	C

NCDOT Road

Typical Cross Section

2-Lane Divided with Sharrows and Parallel Parking



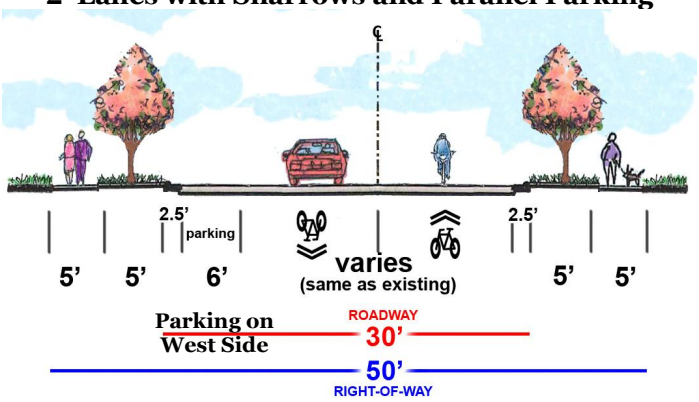
South Main Street — South Avenue to Elm Avenue

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	30 ft	50 ft	2	None	35 mph	Major	7,400	17,500	—
2035	30 ft	50 ft	2	None	35 mph	Major	10,300	17,300	B

NCDOT Road

Typical Cross Section

2 Lanes with Sharrows and Parallel Parking



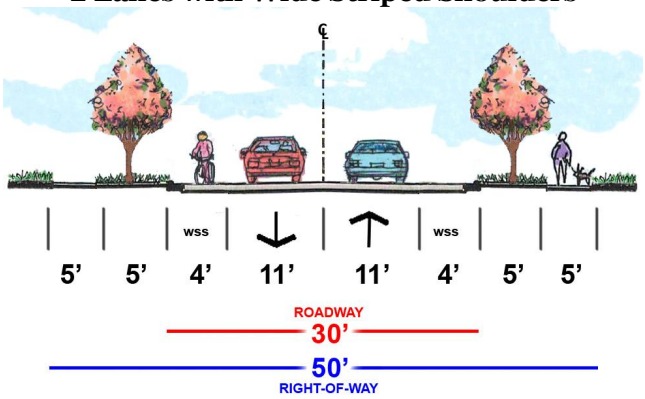
South Main Street — Elm Avenue to Holding Avenue

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	30 ft	50 ft	2	None	35 mph	Major	7,400	17,500	—
2035	30 ft	50 ft	2	None	35 mph	Major	10,300	17,300	B

NCDOT Road

Typical Cross Section

2 Lanes with Wide Striped Shoulders



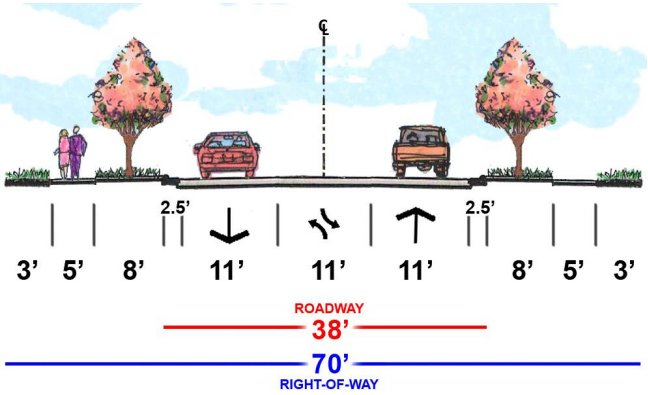
South Main Street — Holding Avenue to Dr. Calvin Jones Highway

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	30 to 40 ft	60 ft	2	Two-way Left-turn lane	35 mph	Major	14,200	18,000	—
2035	38 ft	70 ft	2	Two-way Left-turn lane	35 mph	Major	21,000	21,400	D

NCDOT Road

Typical Cross Section

3 Lanes



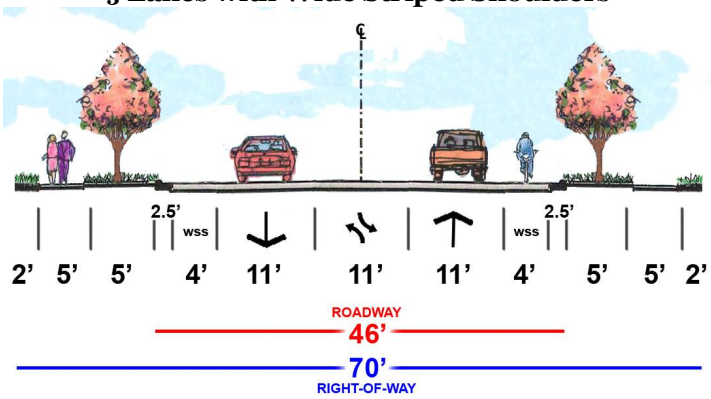
South Main Street — Dr. Calvin Jones Highway to Rogers Road

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	41 to 50 ft	70 ft	2	Two-way Left-turn lane	45 mph	Major	20,000	17,300	—
2035	41 to 50 ft	70 ft	2	Two-way Left-turn lane	45 mph	Major	25,000	17,300	F

NCDOT Road

Typical Cross Section

3 Lanes with Wide Striped Shoulders

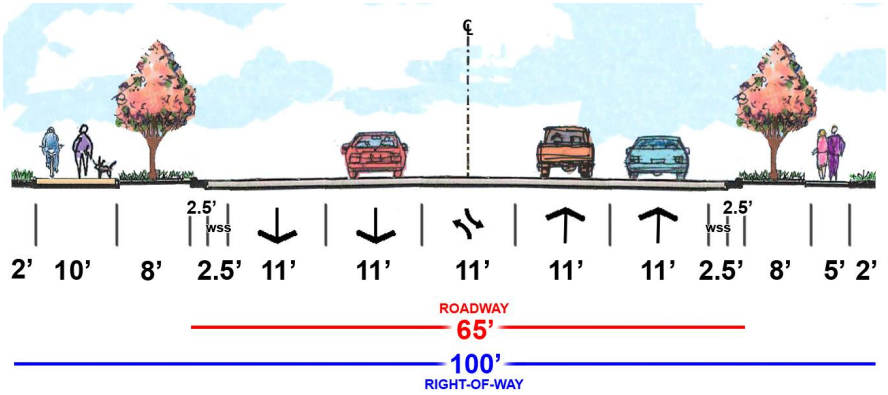


South Main Street — Rogers Road to Capital Boulevard (US 1)									
Year	**Roadway Width**	**ROW**	**Lanes**	**Median / Left-Turn Treatment**	**Speed Limit**	**Street Type**	**ADT**	**Capacity**	**Future LOS**
2007	65 ft	100 ft	4	Two-way Left-turn Lane	45 mph	Major	12,000	32,000	—
2035	65 ft	100 ft	4	Two-way Left-turn Lane	45 mph	Major	27,000	32,000	D

NCDOT Road

Typical Cross Section

5 Lanes with Striped Shoulders



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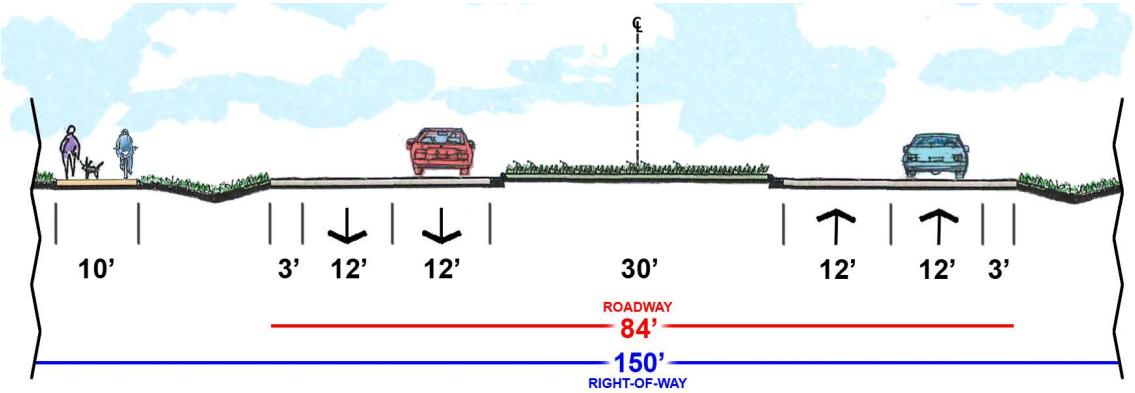
Dr. Calvin Jones Highway — Durham Road to Capital Boulevard (US 1)

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	—
2035	75 ft	150 ft	4	Landscaped Median	45 mph	Major	39,700	53,240	C

NCDOT Road

Typical Cross Section

4-Lane Divided with Wide Striped Shoulders and Multi-Use Path



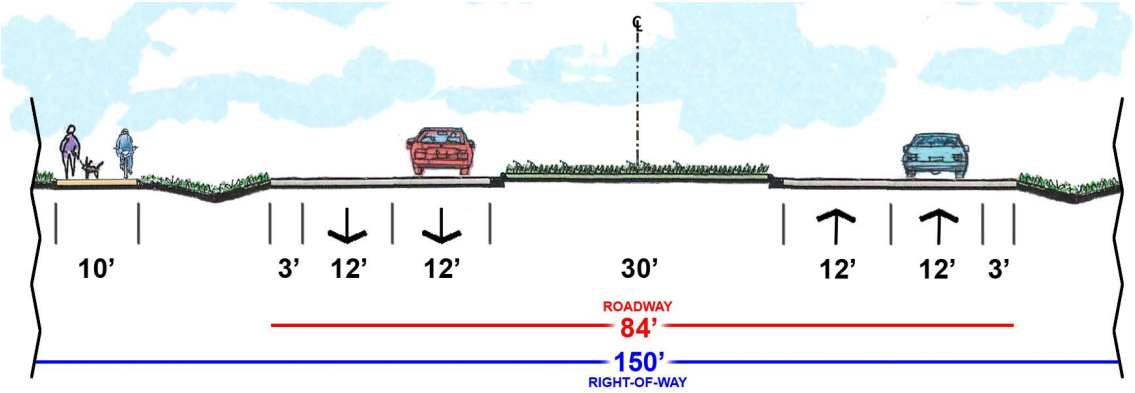
Dr. Calvin Jones Highway — Capital Boulevard (US 1) to South Main Street

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	75 ft	150 ft	4	Landscaped Median	45 mph	Major	n/a	43,200	—
2035	75 ft	150 ft	4	Landscaped Median	45 mph	Major	41,000	43,200	D

NCDOT Road

Typical Cross Section

4-Lane Divided with Wide Striped Shoulders and Multi-Use Path



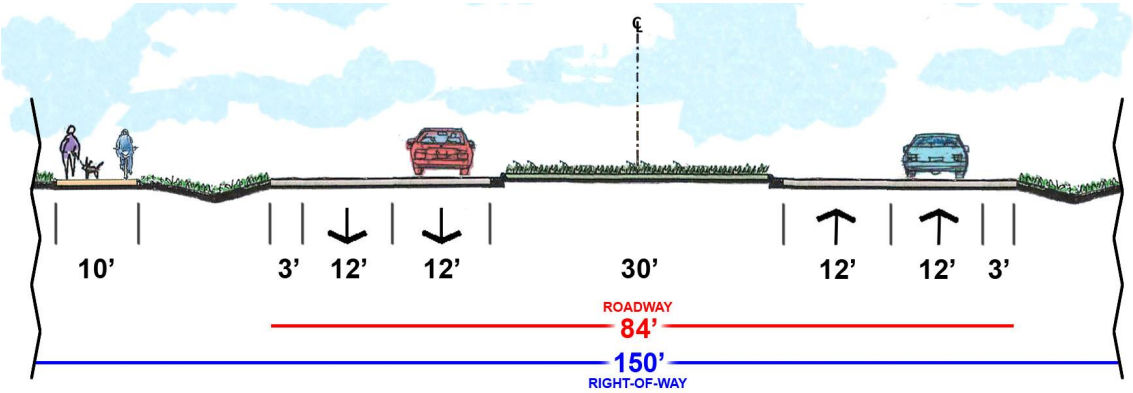
Dr. Calvin Jones Highway — South Main Street to East Wait Avenue

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	75 ft	150 ft	4	Landscaped Median	45 mph	Major	18,700	53,240	—
2035	75 ft	150 ft	4	Landscaped Median	45 mph	Major	52,000	53,240	D

NCDOT Road

Typical Cross Section

4-Lane Divided with Wide Striped Shoulders and Multi-Use Path



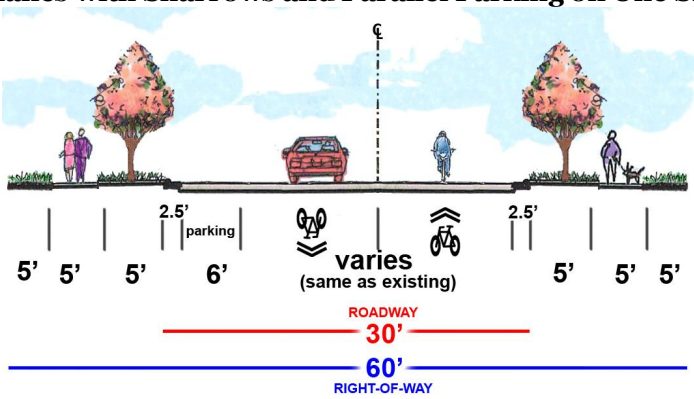
North Avenue — Wingate Street to North Main Street

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	30 ft	60 ft	2	None	25 mph	Major	n/a	17,500	—
2035	30 ft	60 ft	2	None	25 mph	Major	16,500	14,600	E

NCDOT Road

Typical Cross Section

2 Lanes with Sharrows and Parallel Parking on One Side



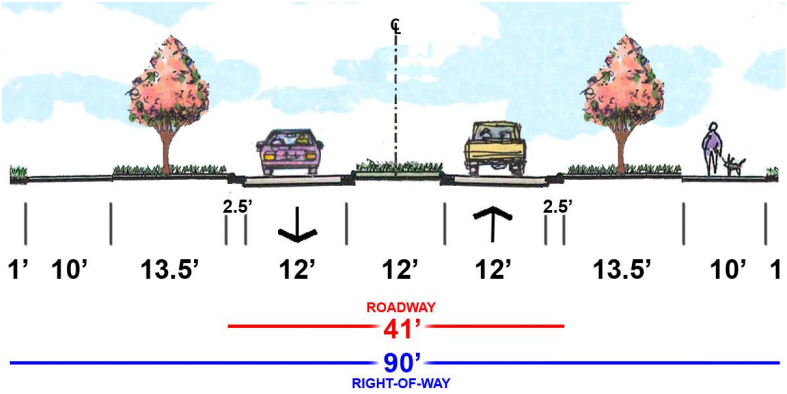
Northside Loop — North White Street to Oak Grove Church Road

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	—
2035	36 ft	90 ft	2	Left-turn Lanes at Intersections and Driveways	35 mph	Minor	19,000	21,560	D

Town of Wake Forest Road

Typical Cross Section

2-Lane Divided with Multi-Use Paths



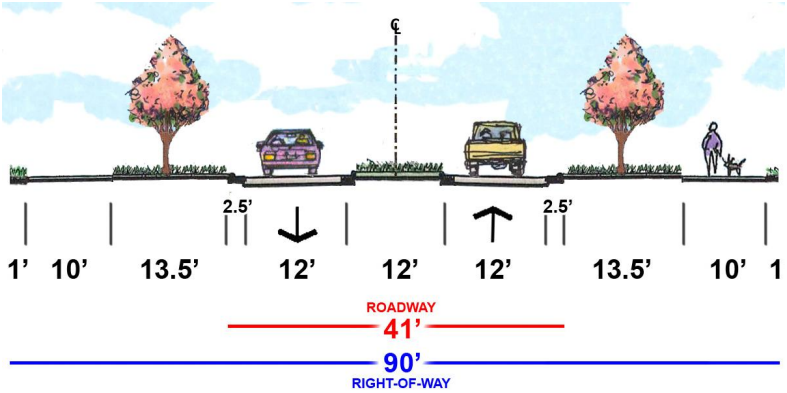
Northside Loop — Oak Grove Church Road to East Wait Avenue (NC 98)

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	—
2035	36 ft	90 ft	2	Left-turn Lanes at Intersections and Driveways	35 mph	Minor	22,700	21,560	E

Town of Wake Forest Road

Typical Cross Section

2-Lane Divided with Multi-Use Paths



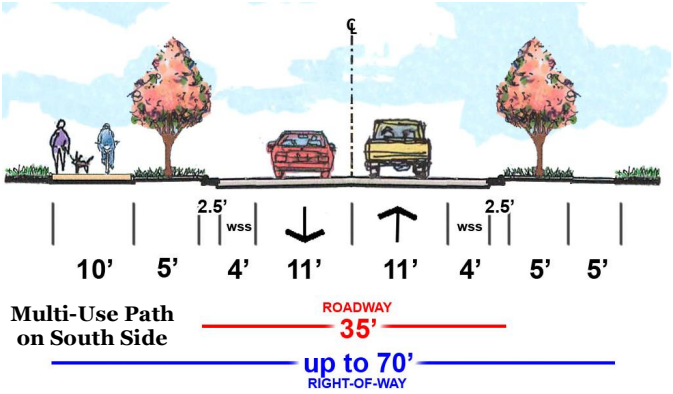
West Oak Avenue — Harris Road to North Main Street

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	18 to 40 ft	60 ft	2	None	35 mph	Major	2,400	12,000	—
2035	35 ft	60 ft	2	Left-turn Lanes at Intersections and Driveways	35 mph	Minor	6,510	17,300	A

NCDOT Road

Typical Cross Section

2 Lanes with Wide Striped Shoulders and a Multi-Use Path



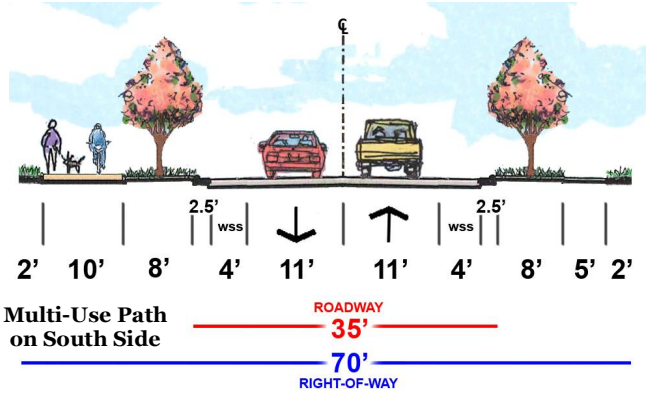
Oak Grove Church Road — Gilcrest Farm Road to Zebulon Road (NC 96)

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	21 ft	60 ft	2	None	45 mph	Major	n/a	12,000	—
2035	30 ft	70 ft	2	Left-turn Lanes at Intersections and Driveways	35 mph	Minor	13,500	26,300	B

NCDOT Road

Typical Cross Section

2 Lanes with Wide Striped Shoulders and a Multi-Use Path



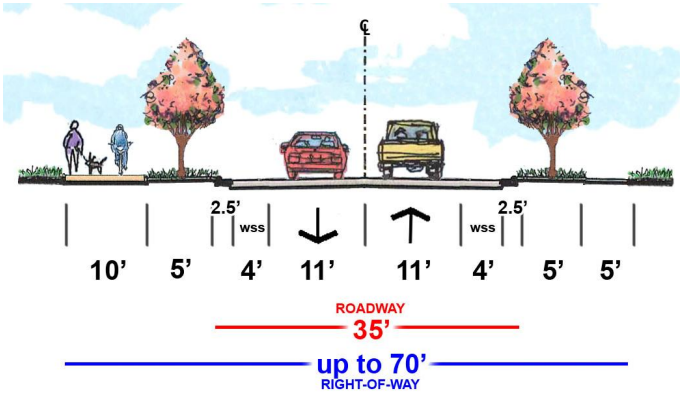
Purnell Road — Jackson Road to Capital Boulevard (US 1)

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	24 ft	60 ft	2	None	45 mph	Major	4,500	17,500	—
2035	35 ft	60 ft	2	None	45 mph	Major	11,000	26,300	B

NCDOT Road

Typical Cross Section

2 Lanes with Wide Striped Shoulders and a Multi-Use Path



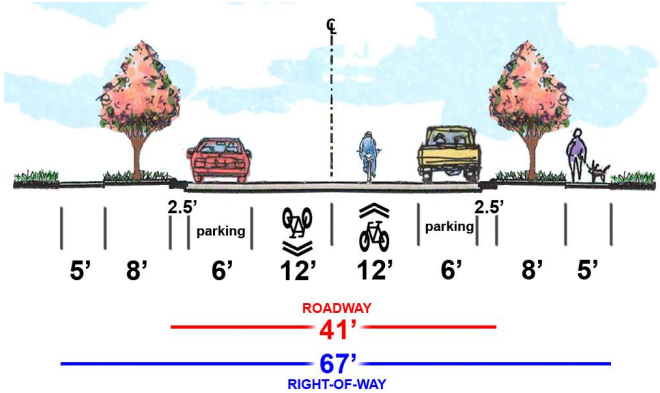
Rock Springs Road — Stadium Drive to Durham Road

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	—
2035	41 ft	67 ft	2	None	25 mph	Major	n/a	14,600	n/a

Town of Wake Forest Road

Typical Cross Section

2 Lanes with Sharrows and Parallel Parking



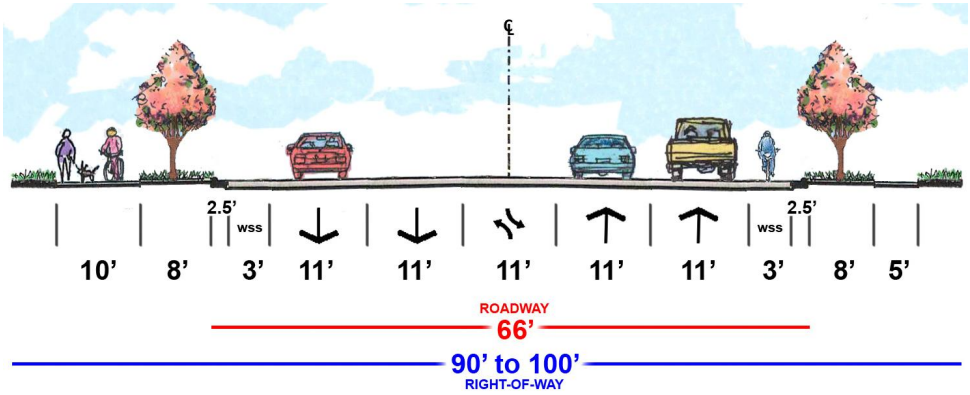
Rogers Road — South Main Street to South Franklin Street

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	65 ft	90 ft	2	Two-way Left-turn Lane	45 mph	Major	14,000	18,000	—
2035	66 ft	90 ft	4	Two-way Left-turn Lane	35 mph	Major	11,600	32,000	A

NCDOT Road

Typical Cross Section

5 Lanes with Wide Striped Shoulders and a Multi-Use Path



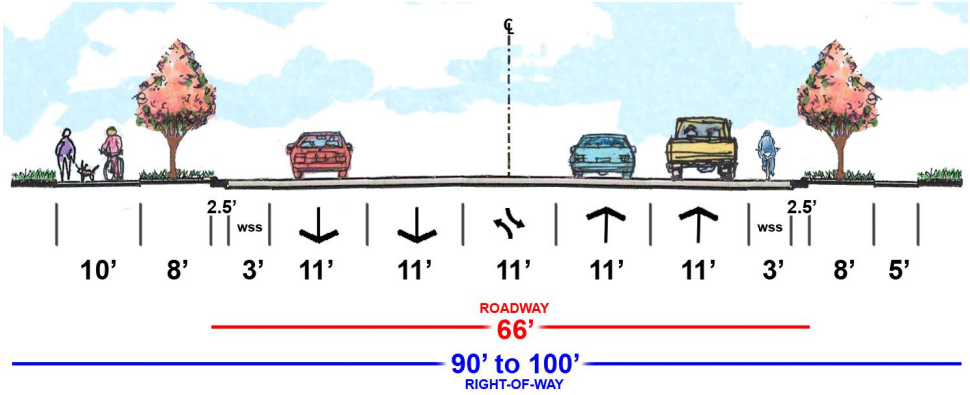
Rogers Road —South Franklin Street to Clear Springs Drive

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	36 ft	90 ft	2	Two-way Left-turn Lane	45 mph	Major	n/a	18,000	—
2035	66 ft	90 ft	4	Two-way Left-turn Lane	35 mph	Major	20,500	32,000	C

NCDOT Road

Typical Cross Section

5 Lanes with Wide Striped Shoulders and a Multi-Use Path



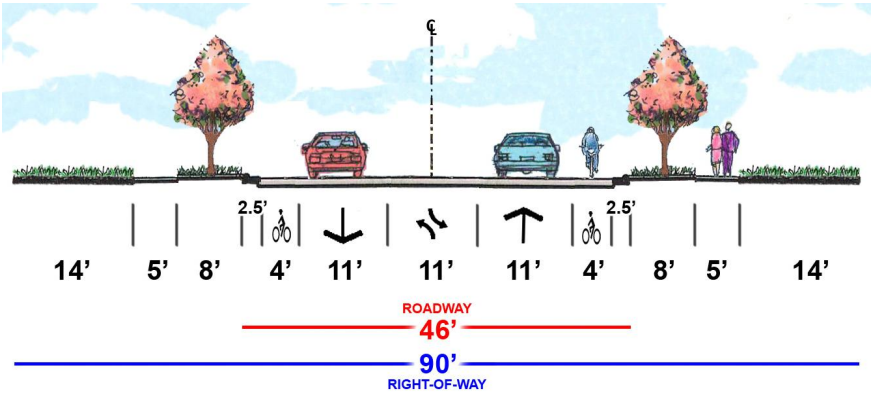
Rogers Road — Clear Springs Drive to Eastern edge of Planning Boundary

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	19 ft	60 ft	2	Two-way Left-turn lane	45 mph	Major	n/a	17,300	—
2035	71 ft	90 ft	4	Two-way Left-turn lane	45 mph	Major	10,600	26,300	B

NCDOT Road

Typical Cross Section

3 Lanes with Bike Lanes and a Multi-Use Path



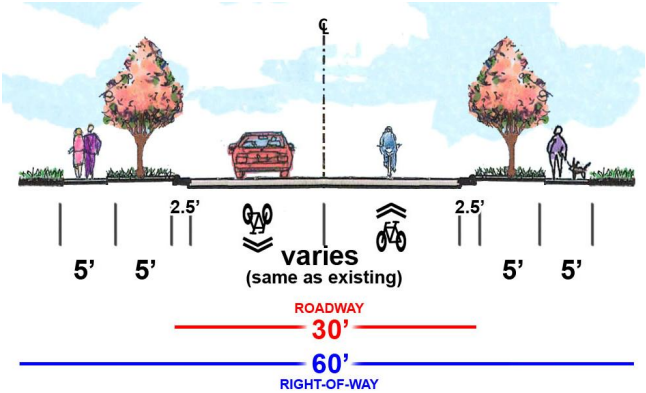
South Avenue — Wingate Street to South Main Street

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	38 ft	50 ft	2	None	25 mph	Major	14,200	17,500	—
2035	41 ft	60 ft	2	None	25 mph	Major	10,200	14,600	C

NCDOT Road

Typical Cross Section

2 Lanes with Sharrows



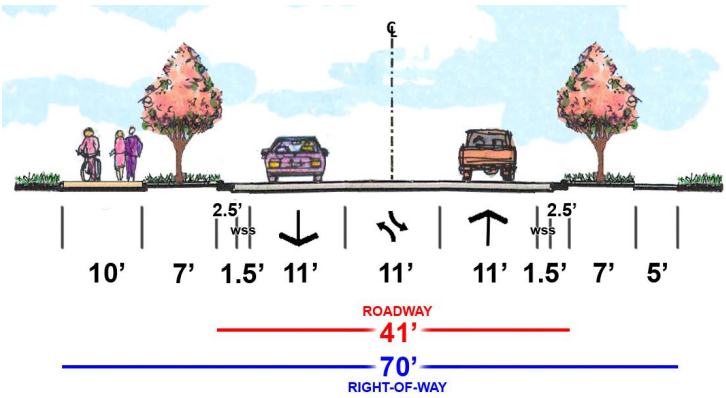
Stadium Drive — Capital Boulevard (US 1) to Wingate Street

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	24 to 41 ft	60 ft	2	Left-turn Lanes at Intersections and Driveways	35 mph	Major	5,700	18,000	—
2035	41 ft	70 ft	2	Left-turn Lanes at Intersections and Driveways	35 mph	Major	11,900	17,300	C

NCDOT Road

Typical Cross Section

3 Lanes with Striped Shoulders and a Multi-Use Path



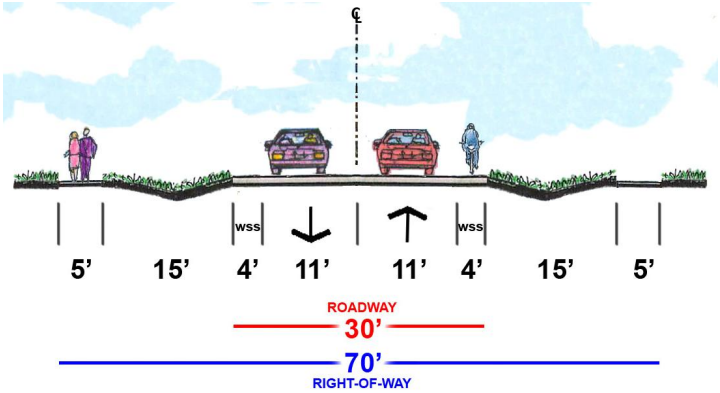
Thompson Mill Road — Jenkins Road to Durham Road

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	21 ft	60 ft	2	None	40 mph	n/a	n/a	12,000	—
2035	30 ft	70 ft	2	None	40 mph	Minor	13,100	26,300	B

NCDOT Road

Typical Cross Section

2 Lanes with Wide Striped Shoulders



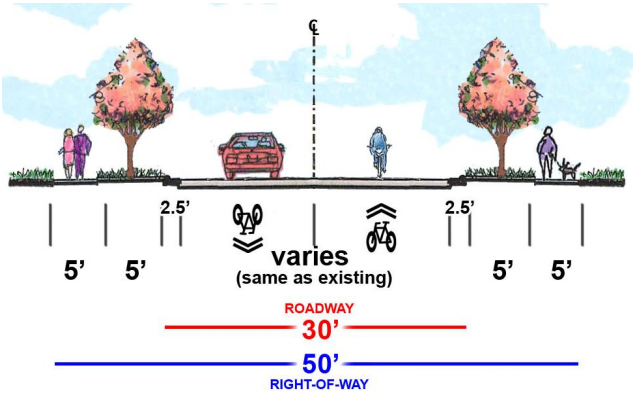
Note: Add sharrows from Rock Springs Road to Wingate Street.

Roosevelt Avenue/Wait Avenue — Front Street to Franklin Street									
Year	**Roadway Width**	**ROW**	**Lanes**	**Median / Left-Turn Treatment**	**Speed Limit**	**Street Type**	**ADT**	**Capacity**	**Future LOS**
2007	35 ft	45 ft	2	Two-way Left-turn lane	25 mph	Major	17,500	18,000	—
2035	35 ft	50 ft	2	None	25 mph	Major	14,000	17,300	D

NCDOT Road

Typical Cross Section

2 Lanes with Sharrows



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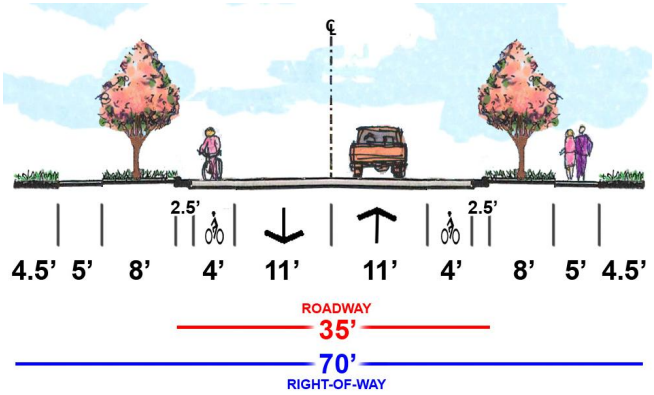
Wait Avenue — Franklin Street to Jones Dairy Road

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	22 to 32 ft	60 ft	2	None	35 mph	Major	14,200	17,500	—
2035	35 ft	70 ft	2	Left-turn Lanes at Intersections	35 mph	Major	15,400	17,300	D

NCDOT Road

Typical Cross Section

2 Lanes with Bike Lanes



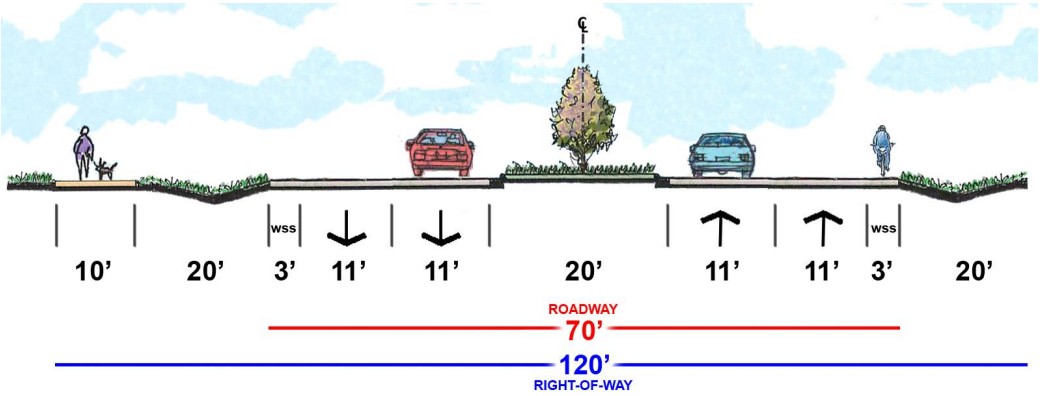
Wait Avenue (NC 98) — Jones Dairy Road to Zebulon Road (NC 96)

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	20 ft	60 ft	2	None	35 mph	Major	8,400	12,000	—
2035	70 ft	100 to 120 ft	4	Landscaped Median	45 mph	Major	21,600	41,400	B

NCDOT Road

Typical Cross Section

4-Lane Divided with Wide Striped Shoulders and Multi-Use Path



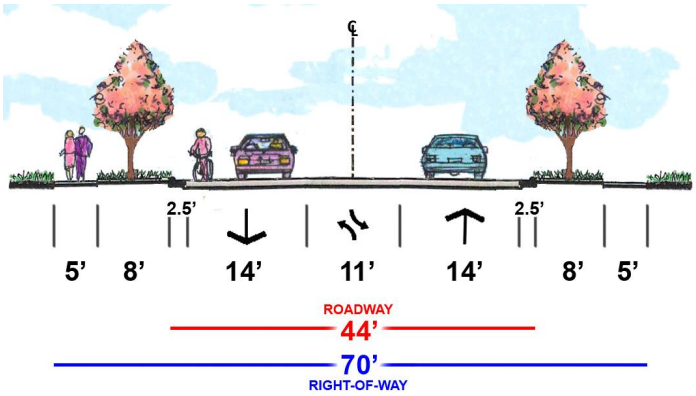
Wake Union Church Road — Durham Road to Capital Boulevard (US 1)

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	18 to 21 ft	60 ft	2	None	45 mph	n/a	n/a	12,000	—
2035	44 ft	70 ft	2	Left-turn Lanes at Intersections and Driveways	45 mph	Major	4,400	20,700	A

NCDOT Road

Typical Cross Section

3 Lanes with Wide Outside Lanes



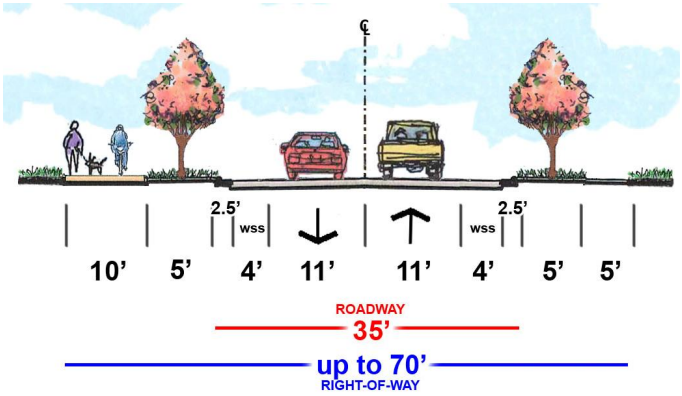
Wall Road — Wake Forest Planning Jurisdiction to Harris Road

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	18 to 22 ft	60 ft	2	None	45 mph	Major	n/a	12,000	—
2035	35 ft	60 ft	2	None	45 mph	Major	n/a	17,300	n/a

NCDOT Road

Typical Cross Section

2 Lanes with Wide Striped Shoulders and a Multi-Use Path



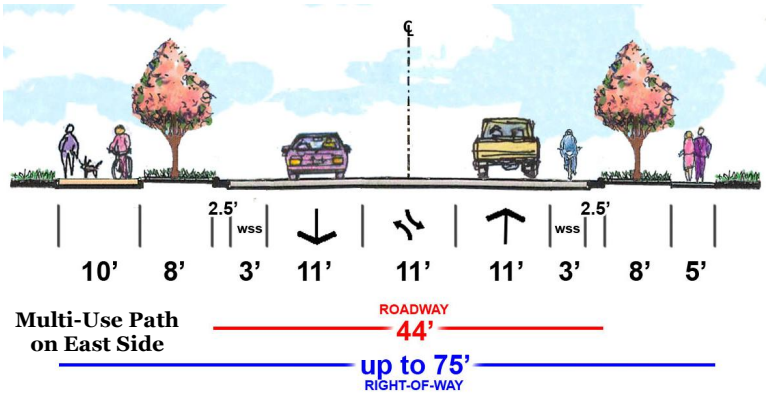
North White Street —Wake Forest Planning Jurisdiction to Northside Loop

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	24 ft	60 ft	2	None	45 mph	Minor	5,400	12,000	—
2035	44 ft	75 ft	2	Left-turn Lanes at Intersections and Driveways	35 mph	Major	11,800	17,300	C

Town of Wake Forest Road

Typical Cross Section

3 Lanes with Wide Striped Shoulders and a Multi-Use Path



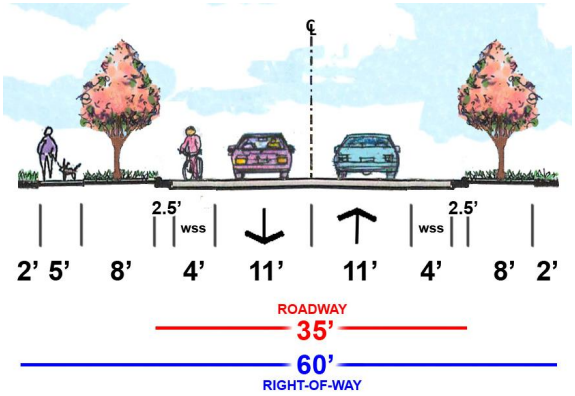
North White Street — Northside Loop to Spring Street

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	24 to 40 ft	45 ft	2	None	35 mph	Minor	n/a	12,000	—
2035	35 ft	60 ft	2	None	35 mph	Minor	12,100	17,300	C

Town of Wake Forest Road

Typical Cross Section

2 Lanes with Wide Striped Shoulders and a Sidewalk



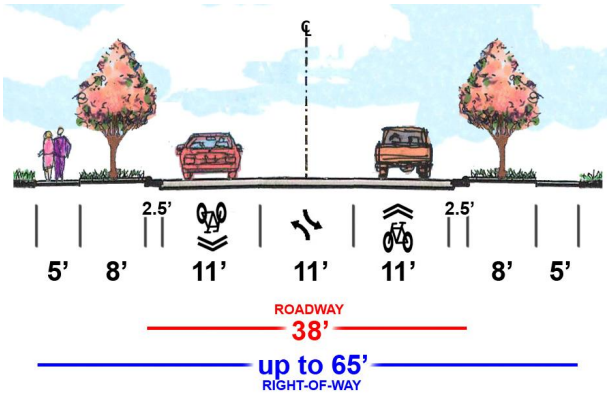
South White Street — Spring Street to Roosevelt Avenue (NC 98)

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	24 to 40 ft	45 ft	2	None	35 mph	Minor	n/a	12,000	—
2035	38 ft	65 ft	2	Left-turn Lanes at Intersections and Driveways	35 mph	Minor	12,100	17,300	C

Town of Wake Forest Road

Typical Cross Section

3 Lanes with Sharrows



South White Street — Roosevelt Avenue (NC 98) to Elm Avenue

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007									
2035									

Town of Wake Forest Road

Typical Cross Section

To Be Determined

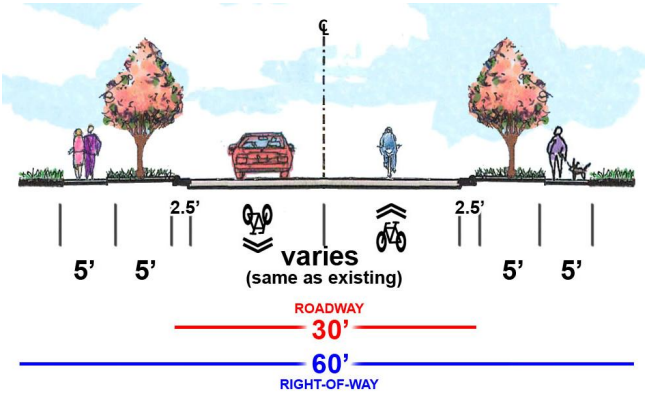
South White Street — Elm Avenue to Holding Avenue

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	31 ft	50 ft	2	None	25 mph	Minor	3,500	17,500	—
2035	42 ft	50 ft	2	None	25 mph	Minor	11,300	17,300	C

Town of Wake Forest Road

Typical Cross Section

2 Lanes with Sharrows



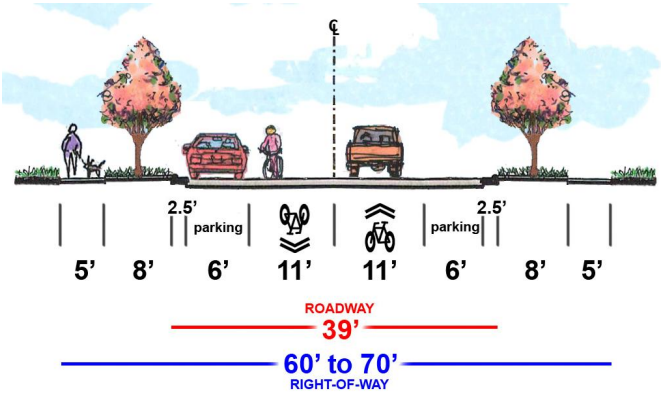
Wingate Street — North Avenue to South Avenue

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	39 ft	60 ft	2	Left-turn Lanes at Intersections and Driveways	25 mph	Minor	4,300	14,600	—
2035	39 ft	60 to 70 ft	2	Left-turn Lanes at Intersections and Driveways	25 mph	Minor	10,900	14,600	C

Town of Wake Forest Road

Typical Cross Section

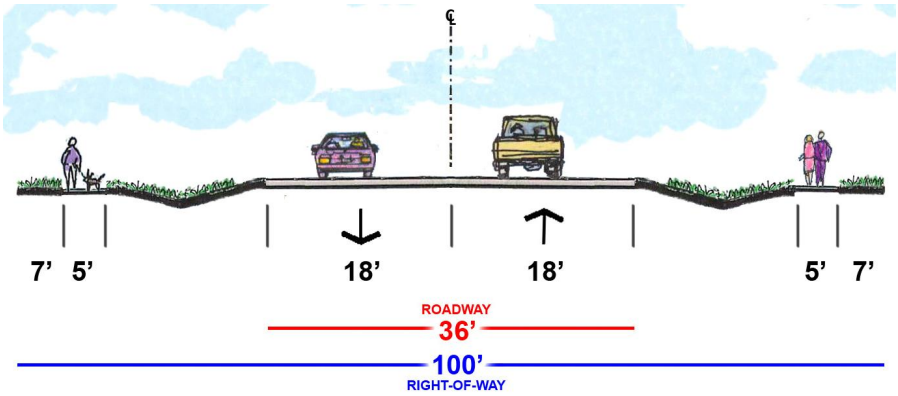
2 Lanes with Sharrows and Parallel Parking



Zebulon Road (NC 96) — Oak Grove Church Road to Wait Avenue

Year	Roadway Width	ROW	Lanes	Median / Left-Turn Treatment	Speed Limit	Street Type	ADT	Capacity	Future LOS
2007	21 ft	100 ft	2	None	45 mph	Major	5,300	12,000	—
2035	36 ft	100 ft	2	Left-turn Lanes at Intersections and Driveways	45 mph	Major	18,600	26,300	C

NCDOT Road

Typical Cross Section

2 Lanes