

2045 Metropolitan Transportation Plan (MTP)

Amendment #2 (September 11, 2019)

Changes to Appendix 1: Roadway Project List

Sorted by Project Name. **Bold font** denotes additions.

~~Strikethrough~~ denotes deletions.

* = shared use path suitable for this project

MTP ID	Highway Project	From	To	Existing Lanes	Proposed Lanes	Improvement Type	Length (miles)	Estimated Cost	STI	Reg. Sig.(a)	Exempt (b)	TIP#
2025 MTP												
316	Brier Creek Pkwy Extension	T.W. Alexander Dr	Andrew's Chapel Rd	-	4	New Location	0.4	\$3,990,000	Div	No	No	N/A
9	Carver St Ext	Armfield St	Old Oxford Rd	-	4 2	New Location	1.0	-	Div	No	No	N/A
15	East End Connector (EEC)	NC 147	North of NC 98 in Durham	-	4	New Location	3.2	\$35,175,000	St	Yes	No	U-0071
200	Eubanks Rd	MLK Blvd (NC 86)	Millhouse Rd	2	4	Widening	0.8	\$7,487,000	Div	No	No	N/A
23	Fayetteville Rd	Barbee Rd	Cornwallis Rd	2	4	Widening	1.0	\$3,374,000	Div	Yes	No	N/A
2035	23.1 *	Fayetteville Rd	Woodcroft Pkwy	2	4	Widening	1.4	\$4,661,000	Div	Yes	No	U-6021
2035	111 *	Fordham Blvd (US 15-501)	I-40	4	4	Modernization	1.6	2,052,000 33,726,000	St	Yes	No	U-5304F
2035	240 *	Fordham Blvd (US 15-501)	Ephesus Church Rd	4	4	Modernization	2.1	45,498,000 35,344,000	St	Yes	No	U-5304D
2035	73 *	Fordham Blvd (US 15-501)	NC 54	4	4	Modernization	2.3	49,832,000 28,285,000	St	Yes	No	U-5304B
2035	204 *	Fordham Blvd/Raleigh Rd	Interchange	-	-	Upgrade	N/A	14,800,000	St	No	93.127	U-5774A
2035	241 *	Fordham Blvd/ Manning Dr	Intersection/ Interchange	-	-	Upgrade	N/A	37,446,000	St	No	No	U-5304E
	626 *	Fordham Blvd/ S Columbia St	Interchange	-	-	Upgrade	N/A	35,000,000 33,040,000	St	Yes	No	U-5304A
	379	Freeland Memorial Extension	S Churton St	-	2	New Location	0.5	\$3,203,000	Div	No	No	N/A
	45.3	I-40 (westbound auxiliary lane)	NC 147	6	7	Widening	1.2	\$3,850,000	St	No	No	I-5707
	638	I-40/NC 86	Interchange	-	-	Upgrade	N/A	\$16,500,000	St	Yes	No	I-3306AC
	223	Legion Rd Ext	Legion Rd	-	2	New Location	0.1	\$1,500,000	Div	No	No	N/A
2035	407	Lynn Rd/Pleasant Dr Connector	Lynn Rd	-	2	New Location	0.6	\$3,651,000	Div	No	No	N/A

	MTP ID	Highway Project	From	To	Existing Lanes	Proposed Lanes	Improvement Type	Length (miles)	Estimated Cost	STI	Reg. Sig.(a)	Exempt (b)	TIP#
2035	64.12	NC 147 (Operational Improvements)	W Chapel Hill St	Briggs Av	4	4	Modernization	3.0	58,400,000 58,000,088	St	No	No	U-5937
	64.13	NC 147 (possible managed lanes)	East End Conn Future I-885	I-40	4	8	Widening	3.9	179,248,000	St	Yes	No	U-5934
	428 *	NC 54	Old Fayetteville Rd	MPO Boundary	2	2	Modernization	2.9	\$14,457,000	Reg	Yes	No	R-5821A
	69.21 *	NC 54	Highgate Dr	Fayetteville Rd	4	4	Modernization	0.4	(see #69.2)	Reg	No	93.126	U-5774H
	75.2	NC 55 (Alston Ave)	Main St	NC 98	2	2	Modernization	0.6	-	Reg	No	No	U-3308
2035	75.1	NC 55 (Alston Ave)	NC 147	Main St	2	4	Widening	0.4	-	Reg	No	No	U-3308
	437	New Collector Rd	Orange Grove Rd Extension	Becketts Ridge Rd	-	2	New Location	0.8	\$7,232,000	Div	No	No	N/A
	89.3 *	Orange Grove Connector	Orange Grove Rd	US 70 NC 86	-	2	New Location	0.4	5,299,000	Div	No	No	U-5848 N/A
	220	Purefoy Rd Ext	Sandberg Ln	Weaver Dairy Rd	-	2	New Location	0.6	\$3,777,000	Div	No	No	N/A
	221	S Elliot Rd Ext	Fordham Blvd	Ephesus Church Rd	-	2	New Location	0.3	\$4,230,000	Div	No	No	N/A
2035	87 *	S Churton St	Eno River (Hillsborough)	I-40	2	4	Widening	2.2	31,825,000 54,055,000	Div	No	No	U-5845
2035	113.1 *	US 15-501/Garrett Rd	Interchange	--	-	-	New	N/A	\$71,200,000	St	Yes	No	U-5717
	485 *	US 70 (freeway conversion)	Lynn Rd	S Miami Blvd	4	6	Freeway	1.6	111,020,000 62,700,000	St	Yes	No	U-5720A
2035	116.1 *	US 70/Miami Blvd/Sherron Rd	Interchange	--	-	-	New	N/A	\$46,621,000 73,200,000	St	Yes	No	U-5720B
	123.11*	Woodcroft Pkwy Ext	Garrett Rd	Hope Valley Rd	-	2	New Location	0.0	\$2,219,000	Div	No	No	U-5823
	2035 MTP												
Add	504	Cole Mill Rd Extension	NC 147	Hillsborough Rd	0	4	New	0.3	\$23,980,000	Div	No	No	N/A
	346	Danziger Dr Extension	Mt Moriah Rd	E Lakewood Dr	-	2	New Location	0.4	\$5,127,000	Div	No	No	N/A
Del	367	Erwin Rd	Cameron Blvd	W Main St	4	4	Modernization	1.8	12,025,000	Div	No	-	N/A
	373	Falconbridge Rd Connector	Falconbridge Rd	Farrington Rd	-	2	New Location	0.2	\$1,227,000	Div	No	No	N/A
	201	Falconbridge Rd Extension	Farrington Rd	NC 54	-	4	New Location	0.9	\$16,685,000	Div	No	No	N/A
	24.11 *	Garrett Rd	NC 751	Old Durham Rd	2	4	Widening	2.1	\$16,064,000	Div	No	No	N/A
	36 *	Homestead Rd	Old NC 86	Rogers Rd	2	2	Modernization	2.1	\$10,234,000	Div	No	No	N/A
	35	Homestead Rd	Rogers Rd	NC 86	2	2	Modernization	1.3	\$6,855,000	Div	No	No	N/A
	77.1 *	Hope Valley Rd (NC 751)	S Roxboro St	Woodcroft Parkway	2	4	Widening	0.3	\$2,716,000	Reg	No	No	N/A

	MTP ID	Highway Project	From	To	Existing Lanes	Proposed Lanes	Improvement Type	Length (miles)	Estimated Cost	STI	Reg. Sig.(a)	Exempt (b)	TIP#
2025	77.11 *	Hope Valley Rd (NC 751)	NC 54	Woodcroft Pkwy	4	4	Modernization	-	(see #77.1)	Reg	No	No	N/A
	202 *	Hopson Rd	Davis Dr	S Miami Blvd (NC 54)	2	4	Widening	0.7	\$5,200,000	Div	No	No	N/A
	44	I-40	NC 86	I-85	4	6	Widening	7.8	\$58,784,000	St	Yes	No	I-3306AA
	43	I-40	Durham County Line	NC 86	4	6	Widening	3.9	\$29,316,000	St	Yes	No	I-3306AB
	45	I-40 Managed Lanes	Wake County Line	NC 147	8	10	Widening	3.4	\$446,464,000	St	Yes	No	I-5702B
	70.4	I-40/ NC 54 ramp	Farrington Rd.	I-40	-	1	New Location	0.2	\$1,600,000	St	No	No	N/A
	646	I-85/NC 86	Interchange	--	-	-	Upgrade	N/A	\$16,488,000	St	No	No	I-5984
	650	I-85/S Churton St	Interchange	--	-	-	Upgrade	N/A	\$20,700,000	St	No	No	I-5967
Add	50.11	Jack Bennet Rd/Lystra Rd	US 15-501 South	Farrington Mill/Point Rd	2	2	Modernization	4.1	\$20,567,000	Div	No	No	N/A
	51	Lake Hogan Farms Rd	Eubanks Rd	Legends Way	-	2	New Location	0.7	\$4,407,000	Div	No	No	N/A
	410 *	Marriott Way	Friday Center Dr	Barbee Chapel Rd	-	2	New Location	0.2	\$682,000	Div	No	No	N/A
	504.1	NC 147/Cole Mill Rd Extension	Interchange	--	-	-	New	N/A	(see #504)	St	Yes	No	N/A
	69.4 *	NC 54	Barbee	NC 55	2	4	Widening	1.3	\$46,400,000	Reg	No	No	U-5774J
	69.3 *	NC 54	Fayetteville	Barbee	2	4	Widening	1.0	\$46,800,000	Reg	No	No	U-5774I
	70.3 *	NC 54	Fordham Blvd (US 15-501)	Barbee Chapel Rd	6	6	Modernization	1.2	\$32,106,000	Reg	Yes	No	U-5774B
	69.1 *	NC 54	I-40 Interchange	NC 751	2	4	Widening	1.2	\$32,000,000	Reg	No	No	U-5774G
	69.2 *	NC 54	NC 751	Highgate Dr	2	4	Widening	1.5	\$21,600,000	Reg	No	No	U-5774H
	70 *	NC 54 (widening; superstreet)	I-40	Barbee Chapel Rd	4	6	Widening	1.6	\$9,100,000	Reg	Yes	No	U-5774C
Int	70.5	NC 54/Falconbridge Rd/Southwest Durham Drive	Interchange	--	-	-	New	N/A	(see #70)	Reg	Yes	No	U-5774D
Int	70.6	NC 54/Farrington Rd	Grade Separation	--	-	-	New	N/A	(see #70)	Reg	Yes	No	U-5774E
Del	75.3	NC 55 (Alston Ave)	Main St	NC 98	2	4	Modernization	0.5	\$1,000	Reg	No	No	U-3308
	440 *	New Hope Commons Dr Extension	Eastowne Dr	New Hope Commons Dr	-	2	New Location	0.4	\$4,588,000	Div	No	No	N/A
	94 *	Roxboro St	Cornwallis Rd	MLK Pkwy	-	4	New Location	1.2	\$12,063,000	Div	No	No	N/A
	230 *	Southwest Durham Dr	NC 54	I-40	-	2	New Location	2.0	\$12,402,000	Div	No	No	N/A
	476	University Dr	MLK Parkway	Shannon Rd	5	4	Modernization	0.5	768,000	Div	No	-	N/A
Int	113	US 15-501 (expressway conversion)	US 15-501 Bypass	I-40	6	6	Expressway	2.0	\$195,300,000	St	Yes	No	U-6067
	113.2	US 15-501/Mt Moriah Rd	Grade separation	--	-	-	New	N/A	(See #113)	St	Yes	No	U-6067

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Add	113.3	US 15-501/Southwest Durham Dr	Interchange	--	-	-	New	N/A	(See #113)	St	Yes	No	U-6067
	113.4	US 15-501/New collector road	Grade separation	--	-	-	New	N/A	(See #113)	St	Yes	No	U-6067
Int	438	US 15-501	US 64 Bypass (Pittsboro)	Smith Level Rd	4	4	Synchronized Street	10.5	45,640,000	St	Yes	No	U-6192
	116 *	US 70 (freeway conversion)	S Miami Blvd	MPO boundary	4	6	Freeway	2.5	\$173,469,000	St	Yes	No	U-5720C
	116.2	US 70/Angier Av	Interchange	--	-	-	New	N/A	(see #116)	St	Yes	No	U-5720C
	485.1	US 70/Lynn Rd Extension	Interchange	--	-	-	New	N/A	(see #485)	St	Yes	No	U-5720A
	2045 MTP												
	304.1 *	Angier Av Ext	US 70	Leesville Rd	-	2	New Location	0.8	\$4,784,000	Div	No	No	N/A
	244 *	Angier/Glover Connector	Ellis Rd	Glover Rd	-	2	New Location	1.4	\$8,625,000	Div	No	No	N/A
	343	Crown Pkwy/Roche Dr	Page Rd	T.W. Alexander Dr	-	2	New Location	2.7	\$11,041,000	Div	No	No	N/A
	364	Eno Mountain Rd realignment	Mayo St	Eno Mountain Rd	2	2	New Location	0.3	\$2,015,000	Div	No	93.126	N/A
	24.12 *	Garrett Rd	Old Durham Rd	US 15-501	2	4	Widening	1.0	\$7,761,000	Div	No	No	N/A
28.11 *	Glover Rd	Angier	US 70	-	2	New Location	0.6	\$3,714,000	Div	No	No	N/A	
Cons	382 *	Hebron Rd Extension	Hebron Rd	Roxboro Rd (501 N)	-	2	New Location	0.5	\$3,612,000	Div	No	No	N/A
	434 *	Holloway St (NC 98)	Miami Blvd	Nichols Farm Dr	4	4	Modernization	3.3	\$17,705,000	Reg	No	No	N/A
	394 *	Hopson Rd	Louis Stephens Dr	Davis Dr	2	4	Widening	1.1	\$9,195,000	Div	No	No	N/A
	45.21	I-40 Managed Lanes	NC 54	US 15-501	6	8	Widening	2.9	\$85,621,000	St	Yes	No	I-5702A
	45.22	I-40 Managed Lanes	NC 147	NC 54	6	10	Widening	6.4	\$250,290,000	St	Yes	No	I-5702A
	48.1	I-85	Mt Herman Church Rd	Durham County Line	4	6	Widening	2.5	\$39,118,000	St	Yes	No	I-5983
	48	I-85	Mt Herman Church Rd	I-40	4	6	Widening	6.0	\$197,378,000	St	Yes	No	N/A
	48	I-85	Orange Grove Rd	Sparger Rd	4	6	Widening	7.8	133,400,000	St	Yes	No	I-0305
	49	I-85	US 70	Red Mill Rd	4	6	Widening	8.2	\$215,940,000	St	Yes	No	N/A
	53 *	Leesville Rd Ext	US 70/Page Rd Ext	Leesville Rd	-	2	New Location	0.4	\$2,644,000	Div	No	No	N/A
	57 *	Lynn Rd Extension	US 70	Existing Lynn Rd	-	2	New Location	1.1	\$6,862,000	Div	No	No	N/A
	242 *	Mt Carmel Ch Rd	US 15-501	Bennett Rd	2	2	Modernization	0.4	\$1,997,000	Div	No	No	N/A
	14.1	N Duke St (501 N)	I-85	N Roxboro split	5	4	Modernization	2.5	\$13,279,000	Reg	Yes	No	N/A
	76	NC 751	Martha's Chapel Rd	O'Kelly Ch. Rd	2	4	Widening	5.4	\$43,232,000	Reg	No	No	N/A
	77.2 *	NC 751	NC 54	Renaissance Pkwy	2	4	Widening	1.2	\$5,290,000	Reg	No	No	N/A

MTP ID	Highway Project	From	To	Existing Lanes	Proposed Lanes	Improvement Type	Length (miles)	Estimated Cost	STI	Reg. Sig.(a)	Exempt (b)	TIP#
77.3 *	NC 751	Renaissance Pkwy	O'Kelly Chapel Rd	2	4	Widening	2.7	\$21,697,000	Reg	No	No	N/A
80 *	NC 86	Old NC 10	US 70 Business	2	4	Widening	0.9	\$7,259,000	Reg	No	No	N/A
81 *	NC 86 (and US 70 intersection)	US 70 Bypass	NC 57	2	4	Widening	0.3	\$4,742,000	Reg	No	No	N/A
84 *	Northern Durham Pkwy	I 85 North	Old Oxford Hwy	-	4	New Location	2.7	\$23,291,000	Div	No	No	N/A
83.1 *	Northern Durham Pkwy	Sherron Rd	NC 98	-	4	New Location	4.3	\$13,600,000	Div	Yes	No	N/A
83.11 *	Northern Durham Pkwy	US 70 E	Sherron Rd	-	4	New Location	2.7	\$23,500,000	Div	Yes	No	N/A
502	Patriot Dr Extension	S Miami Blvd	Page Rd	-	2	New Location	1.9	\$13,086,000	Div	No	No	N/A
92 *	Roxboro Rd (501 N)	Duke St	Goodwin Rd	4	4	Modernization	2.7	\$14,574,000	Reg	Yes	No	N/A
96.1 *	Sherron Rd	S Mineral Springs Rd	Stallings Rd	2	4	Widening	3.1	\$25,003,000	Div	No	No	N/A
106.1 *	Southwest Durham Dr	US 15-501 Business	Mt Moriah Rd	-	4	New Location	0.4	\$3,667,000	Div	No	No	N/A
104 *	Southwest Durham Dr	Sawyer Dr	Old Chapel Hill Rd	2	4	Widening	0.7	\$5,432,000	Div	No	No	N/A
479	US 15-501	Smith Level Rd	MPO Boundary	4	4	Modernization	4.9	\$25,673,000	St	No	No	N/A
114	US 15-501 Bypass	MLK Parkway	I-85	4	6	Widening	4.8	\$80,734,000	St	Yes	No	N/A
81.1 *	Wake Forest Hwy (NC 98)	Nichols Farm Dr	Wake County Line	2	4	Widening	6.0	\$48,474,000	Reg	Yes	No	N/A
501	Yates Store Rd Extension	Yates Store Rd	Wake Rd	-	2	New Location	1.4	\$11,519,000	Div	No	No	N/A

These footnotes are to clarify the table data and will not be part of Amendment #2.

(a) Reg. Sig. means Regionally Significant. Changes to these projects, e.g., deletion from the plan, could require a new air quality conformity determination.

(b) Projects that are exempt may continue to move forward in the case of a plan lapse whereas non-exempt projects will not receive federal action until there is an approved MTP. In this column, exempt projects are indicated by the regulation section that provides the exemption, e.g., 93.126.

2025 This project is to be moved from the 2035 project horizon to the 2025 horizon. It has been advanced in the Transportation Improvement Plan (TIP).

2035 This project is to be moved from the 2025 project horizon to the 2035 horizon. It has been delayed in the Transportation Improvement Plan (TIP).

Del This project is to be deleted from the 2045 MTP. It was dependent on light rail improvements.

Int These are separately identified interchange and grade separation projects that are part of a roadway project that is already in the 2045 MTP.

Add These are projects to be added to the 2045 MTP.

Cons This project consolidates and simplifies two I-85 projects that are already in the 2045 MTP.

Staff notes:

- Old NC 86 cost figured at \$5m/mile, which is average in 2045 MTP for 2-lane modernizations.
- Cole Mill Rd Ext: \$20,600,000 for urban diamond (2016 NCDOT workbook); 0.3 mile x 4-lane c&g (\$4m/mile) (2016 NCDOT workbook) = \$23,980,000