

Highways

Background

The highway and interchange projects to be included in the Preferred Option are shown in the maps and tables below. Projects were selected based on their ability to promote the MPO's draft Goals and Objectives and the expected availability of funding.

The MTP designates and funds the highway projects by the decade in which the project will be completed for operation, i.e., current to 2025, 2026 to 2035 and 2036 to 2045. This designation helps demonstrate that the MTP is accountable to the federal fiscal constraint requirement. The North Carolina Strategic Transportation Investments (STI) funding tiers, i.e., St = statewide, Reg = regional or Div = division, are identified to abide by the current state funding process.

For the most part, new and upgraded interchanges are assumed to be part of the highway projects that are listed and therefore are not commonly listed separately. However, the fiscal year 2018-2027 Transportation Improvement Program (TIP) has listed eight new or upgraded interchanges as separate projects from the highway project. The 2045 MTP highway map and table show these as separate projects, as well.

Highway Map

The highway map on the next page shows the proposed highway improvements for the 2045 MTP. An interactive online map is also available at the Preferred tab on the 2045 MTP Web page: www.bit.ly/DCHC-MTP

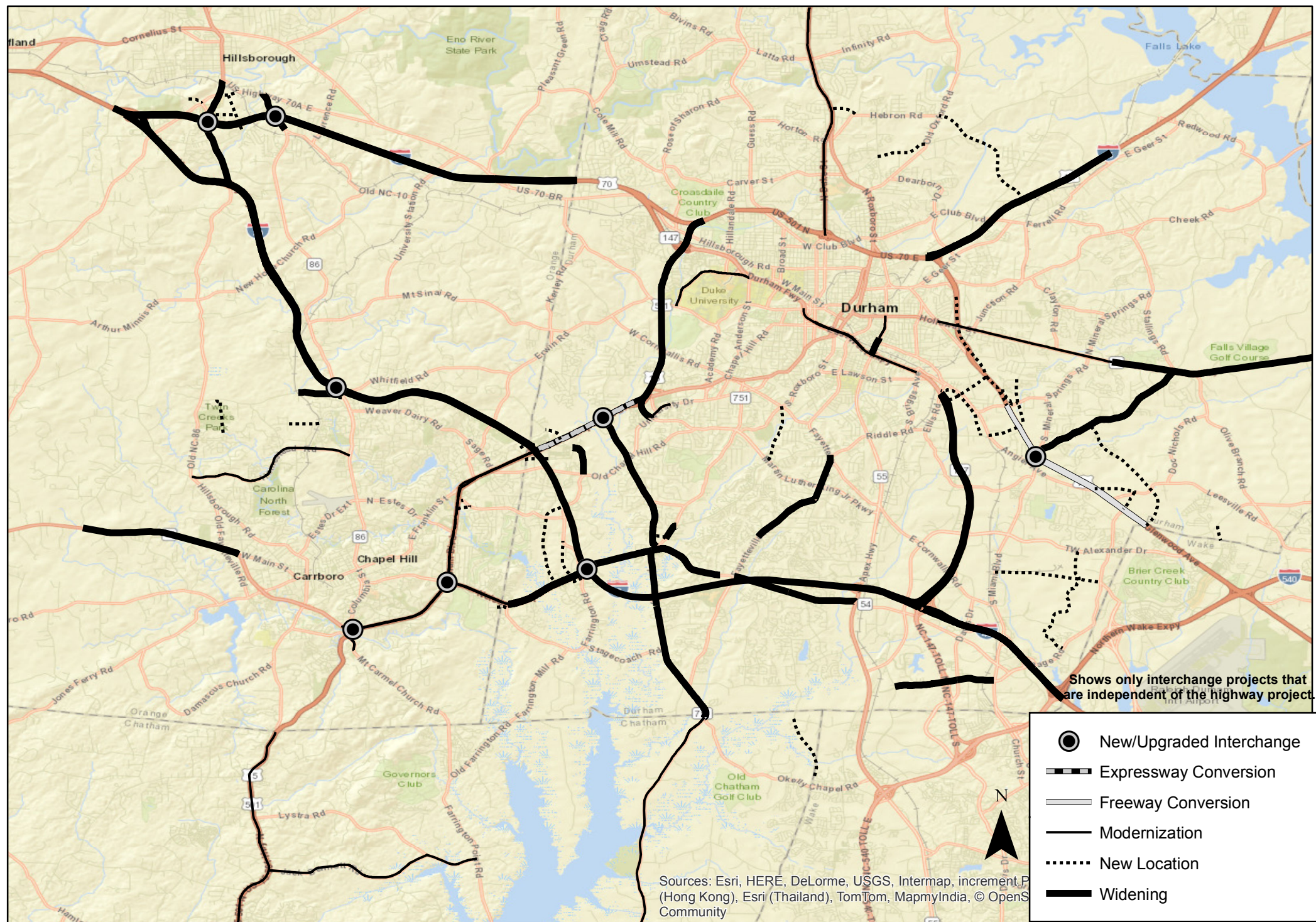
The DCHC MPO adopted a multimodal Comprehensive Transportation Plan (CTP) in May 2017, which contains a larger set of proposed projects because the CTP is not fiscally-constrained. See the interactive online map called Highways and Intersections at the following link to view the CTP highways that were considered for possible inclusion in the 2045 MTP: www.bit.ly/DCHCMPO-Adopted-CTP

Highway Table

The highway table breaks the projects into the three funding decades, i.e., 2025, 2035 and 2045, and then lists them alphabetically.

2045 Metropolitan Transportation Plan (MTP)

Preferred Option -- Highways



2045 Metropolitan Transportation Plan (MTP)

Preferred Option -- Highway Project List

Highway Project	From	To	Existing Lanes	Proposed Lanes	Improvement Type	Length (miles)	Estimated Cost	STI	Funding Source
2025 MTP									
Brier Creek Pkwy Extension	T.W. Alexander Dr	Andrew's Chapel Rd	-	4	New Location	0.4	3,990,000	Div	Private
Carver St Ext*	Armfield St	Old Oxford Rd	-	4	New Location	1.0	8,185,000	Div	State/Fed
East End Connector (EEC)*	NC 147	US 70	-	4	New Location	3.6	140,700,000	St	State/Fed
Eubanks Rd	MLK Blvd (NC 86)	Millhouse Rd	2	4	Widening	0.8	7,487,000	Div	State/Fed
Fayetteville Rd	Barbee Rd	Cornwallis Rd	2	4	Widening	1.0	3,374,000	Div	State/Fed
Fayetteville Rd	Woodcroft Pkwy	Barbee Rd	2	4	Widening	1.3	4,661,000	Div	State/Fed
Fordham Blvd (US 15-501)	I-40	Franklin St	4	4	Modernization	1.6	2,052,000	St	State/Fed
Freeland Memorial Extension	S Churton St	New Collector Rd	-	2	New Location	0.5	3,203,000	Div	Private
I-40/NC 86	Interchange		-	-	Upgrade	N/A	16,500,000	St	State/Fed
I-40 (westbound auxiliary lane)	NC 147	NC 55	6	7	Widening	1.2	3,850,000	St	State/Fed
Legion Rd Ext	Legion Rd	Fordham Blvd	-	2	New Location	0.1	1,500,000	Div	Private
Lynn Rd/Pleasant Dr Connector	Lynn Rd	Pleasant Dr	-	2	New Location	0.6	3,651,000	Div	Private
NC 147 (Operational Improvements)	Briggs Ave	W Chapel Hill St	4	4	To Be Determined	1.7	58,400,000	St	State/Fed
NC 147 (possible Managed Lanes)	East End Conn	I-40	4	8	Widening	4.9	179,248,000	St	State/Fed
NC 54	Old Fayetteville Rd	MPO Boundary	2	3	Widening	2.9	14,457,000	Reg	State/Fed
NC 55 (Alston Ave)*	NC 147	Main St	2	4	Widening	0.4	13,934,000	Reg	State/Fed
NC 55 (Alston Ave)*	Main St	NC 98	2	2	Modernization	0.5	17,252,000	Reg	State/Fed
New Collector Rd	Orange Grove Rd Ext	Becketts Ridge Rd	-	2	New Location	0.8	7,232,000	Div	State/Fed/ Private
Orange Grove Connector	Orange Grove Rd	US 70	-	2	New Location	0.4	5,299,000	Div	State/Fed
Purefoy Rd Ext	Sandberg Ln	Weaver Dairy Rd	-	2	New Location	0.6	3,777,000	Div	Private
S Elliot Rd Ext	Fordham Blvd	Ephesus Church Rd	-	2	New Location	0.3	4,230,000	Div	State/Fed/ Private
US 70 (freeway conversion)	Pleasant Dr	S Miami Blvd	4	6	Freeway	1.6	111,020,000	St	State/Fed
Woodcroft Pkwy Ext	Garrett Rd	Hope Valley Rd	-	2	New Location	0.2	2,219,000	Div	State/Fed
US 15-501/Garrett Rd	Interchange		-	-	New Interchange	N/A	71,200,000	St	State/Fed
US 70/Miami Blvd	Interchange		-	-	New Interchange	N/A	46,621,000	St	State/Fed

STI roadway tier: St = statewide; Reg = regional; Div = division

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Highway Project	From	To	Existing Lanes	Proposed Lanes	Improvement Type	Length (miles)	Estimated Cost	STI	Funding Source
2035 MTP									
Danziger Dr Extension	Mt Moriah Rd	E Lakewood Dr	-	2	New Location	0.4	5,127,000	Div	State/Fed
Erwin Rd	Cameron Blvd	W Main St	4	4	Modernization	1.8	12,025,000	Div	Private
Falconbridge Rd Connector	Falconbridge Rd	Farrington Rd	-	2	New Location	0.2	1,227,000	Div	State/Fed
Falconbridge Rd Extension	Farrington Rd	NC 54	-	4	New Location	0.9	16,685,000	Div	State/Fed/ Private
Farrington to I-40 eastbound slip ramp	Farrington Rd	I-40	-	1	New Location	0.1	1,600,000	Div	State/Fed
Fordham Blvd (US 15-501)	NC 54	Franklin Street	4	4	Modernization	2.1	45,498,000	St	State/Fed
Fordham Blvd (US 15-501)	NC 54	US 15-501	4	4	Modernization	2.2	49,832,000	St	State/Fed
Fordham Blvd/Raleigh Rd	Interchange		-	-	Upgrade	N/A	14,800,000	St	State/Fed
Fordham Blvd/S Columbia St	Interchange		-	-	Upgrade	N/A	35,000,000	St	State/Fed
Garrett Rd	NC 751	Old Durham Rd	2	4	Widening	2.1	16,064,000	Div	State/Fed
Homestead Rd	Old NC 86	Rogers Rd	2	2	Modernization	2.1	10,234,000	Div	State/Fed
Homestead Rd	Rogers Rd	NC 86	2	2	Modernization	1.3	6,855,000	Div	State/Fed
Hope Valley Rd (NC 751)	S Roxboro St	Woodcroft Parkway	2	4	Widening	0.3	2,716,000	Reg	State/Fed
Hopson Rd	Davis Dr	S Miami Blvd (NC 54)	2	4	Widening	0.7	5,200,000	Div	State/Fed
I-40	NC 86	I-85	4	6	Widening	7.8	58,784,000	St	State/Fed
I-40	US 15-501	NC 86	4	6	Widening	3.9	29,316,000	St	State/Fed
I-40 Managed Lanes	Wake County Line	NC 147	8	10	Widening	7.0	446,464,000	St	State/Fed
I-40/NC 54	Interchange		-	-	Upgrade	N/A	94,100,000	St	State/Fed
I-40/ NC 54 ramp	Farrington Rd.	I-40	-	1	New Location	0.2	1,600,000	St	State/Fed
I-85/NC 86	Interchange		-	-	Upgrade	N/A	16,488,000	St	State/Fed
I-85/S Churton St	Interchange		-	-	Upgrade	N/A	20,700,000	St	State/Fed
Jack Bennet Rd/Lystra Rd	US 15-501 South	Farrington Mill/Point Rd	2	2	Modernization	4.1	20,567,000	Div	State/Fed
Lake Hogan Farms Rd	Eubanks Rd	Legends Way	-	2	New Location	0.7	4,407,000	Div	State/Fed/ Private
Marriott Way	Friday Center Dr	Barbree Chapel Rd	-	2	New Location	0.2	682,000	Div	State/Fed
NC 54	Fordham Blvd (US 15-501)	Barbee Chapel Rd	6	6	Modernization	1.2	32,106,000	Reg	State/Fed
NC 54	I-40 Interchange	NC 751	2	4	Widening	1.2	32,000,000	Reg	State/Fed
NC 54	NC 751	Rollingwood Dr	2	4	Widening	1.5	21,600,000	Reg	State/Fed

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NC 54	Fayetteville	Barbee	2	4	Widening	1.0	46,800,000	Reg	State/Fed
NC 54	Barbee	NC 55	2	4	Widening	1.3	46,400,000	Reg	State/Fed
NC 54 (widening; superstreet)	I-40	Barbee Chapel Rd	4	6	Widening	1.6	9,100,000	Reg	State/Fed
NC 55 (Alston Ave)	Main St	NC 98	2	4	Modernization	0.5	1,000	Reg	State/Fed
New Hope Commons Dr Extension	Eastowne Dr	New Hope Commons Dr	-	2	New Location	0.4	4,588,000	Div	State/Fed
Roxboro St	Cornwallis Rd	MLK Pkwy	-	4	New Location	1.2	12,063,000	Div	State/Fed
S Churton St	US 70 Business	I-40	2	4	Widening	2.4	31,825,000	Div	State/Fed
Southwest Durham Dr	NC 54	I-40	-	2	New Location	2.0	12,402,000	Div	State/Fed
University Dr	MLK Parkway	Shannon Rd	5	4	Modernization	0.5	768,000	Div	Private
US 70 (freeway conversion)	S Miami Blvd	Northern Durham Parkway	4	6	Freeway	2.5	173,469,000	St	State/Fed
2045 MTP									
Angier Av Ext	US 70	Leesville Rd	-	2	New Location	0.8	4,784,000	Div	State/Fed
Angier/Glover Connector	Ellis Rd	Glover Rd	-	2	New Location	1.4	8,625,000	Div	State/Fed
Crown Pkwy/Roche Dr	Page Rd	T.W. Alexander Dr	-	2	New Location	2.7	11,041,000	Div	State/Fed
Eno Mountain Rd realignment	Mayo St	Eno Mountain Rd	-	2	New Location	0.3	2,015,000	Div	State/Fed
Garrett Rd	Old Durham Rd	US 15-501	2	4	Widening	1.0	7,761,000	Div	State/Fed
Glover Rd	Angier	US 70	-	2	New Location	0.6	3,714,000	Div	State/Fed
Hebron Rd Extension	Hebron Rd	Roxboro Rd (501 N)	-	2	New Location	0.5	3,612,000	Div	State/Fed/ Private
Holloway St (NC 98)	Miami Blvd	Nichols Farm Dr	4	4	Modernization	3.3	17,705,000	Reg	State/Fed
Hopson Rd	Louis Stephens Dr	Davis Dr	2	4	Widening	1.1	9,195,000	Div	State/Fed
I-40 Managed Lane	NC 54	US 15-501	6	8	Widening	2.9	85,621,000	St	State/Fed
I-40 Managed Lanes	NC 147	NC 54	6	10	Widening	6.4	250,290,000	St	State/Fed
I-85	US 70	I-40	4	6	Widening	7.1	197,378,000	St	State/Fed
I-85	US 70	Red Mill Rd	4	6	Widening	8.2	215,940,000	St	State/Fed
I-85	Sparger Rd	US 70	4	6	Widening	3.0	39,118,000	St	State/Fed
Leesville Rd Ext	US 70/Page Rd Ext	Leesville Rd	-	2	New Location	0.4	2,644,000	Div	State/Fed
Lynn Rd Extension	US 70	Existing Lynn Rd	-	2	New Location	1.1	6,862,000	Div	State/Fed
Mt Carmel Ch Rd	US 15-501	Bennett Rd	2	2	Modernization	0.4	1,997,000	Div	State/Fed
N Duke St (501 N)	I-85	N Roxboro split	5	4	Modernization	2.5	13,279,000	Reg	State/Fed

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NC 751	Renaissance Pkwy	O'Kelly Chapel Rd	2	4	Widening	2.7	21,697,000	Reg	State/Fed/ Private
NC 751	Martha's Chapel Rd	O'Kelly Ch. Rd	2	3	Modernization	5.4	9,648,000	Reg	State/Fed
NC 751	NC 54	Renaissance Pkwy	2	4	Widening	1.2	5,290,000	Reg	State/Fed
NC 86	Old NC 10	US 70 Business	2	4	Widening	0.9	7,259,000	Reg	State/Fed/ Private
Northern Durham Pkwy	US 70 E	Sherron Rd	-	4	New Location	2.7	23,500,000	Div	State/Fed
Northern Durham Pkwy	I 85 North	Old Oxford Hwy	-	4	New Location	2.7	23,291,000	Div	State/Fed
Patriot Dr Extension	S Miami Blvd	Page Rd	-	2	New Location	1.9	13,086,000	Div	State/Fed
Roxboro Rd (501 N)	Duke St	Goodwin Rd	4	4	Modernization	2.7	14,574,000	Reg	State/Fed
Sherron Rd	S Mineral Springs Rd	Stallings Rd	2	4	Widening	3.1	25,003,000	Div	State/Fed
Southwest Durham Dr	US 15-501 Business	Mt Moriah Rd	-	4	New Location	0.4	3,667,000	Div	State/Fed/ Private
SW Durham Dr	Sawyer Dr	Old Chapel Hill Rd	2	4	Widening	0.7	5,432,000	Div	State/Fed
US 15-501	Smith Level Rd	MPO Boundary	4	4	Modernization	4.9	25,673,000	St	State/Fed
US 15-501 (expressway conversion)	US 15-501 Bypass	I-40	6	6	Expressway	2.2	195,300,000	St	State/Fed
US 15-501 Bypass	MLK Parkway	I-85	4	6	Widening	4.8	80,734,000	St	State/Fed
Wake Forest Hwy (NC 98)	Nichols Farm Dr	Wake County Line	2	4	Widening	6.0	48,474,000	Reg	State/Fed
Yates Store Rd Extension	Yates Store Rd	Wake Rd	-	2	New Location	1.4	11,519,000	Div	State/Fed/ Private
(1) East End Connector costs are \$35,175,000, and Alston Ave and Carver St costs are \$0 in the financial plan because the funding is before 2018.									