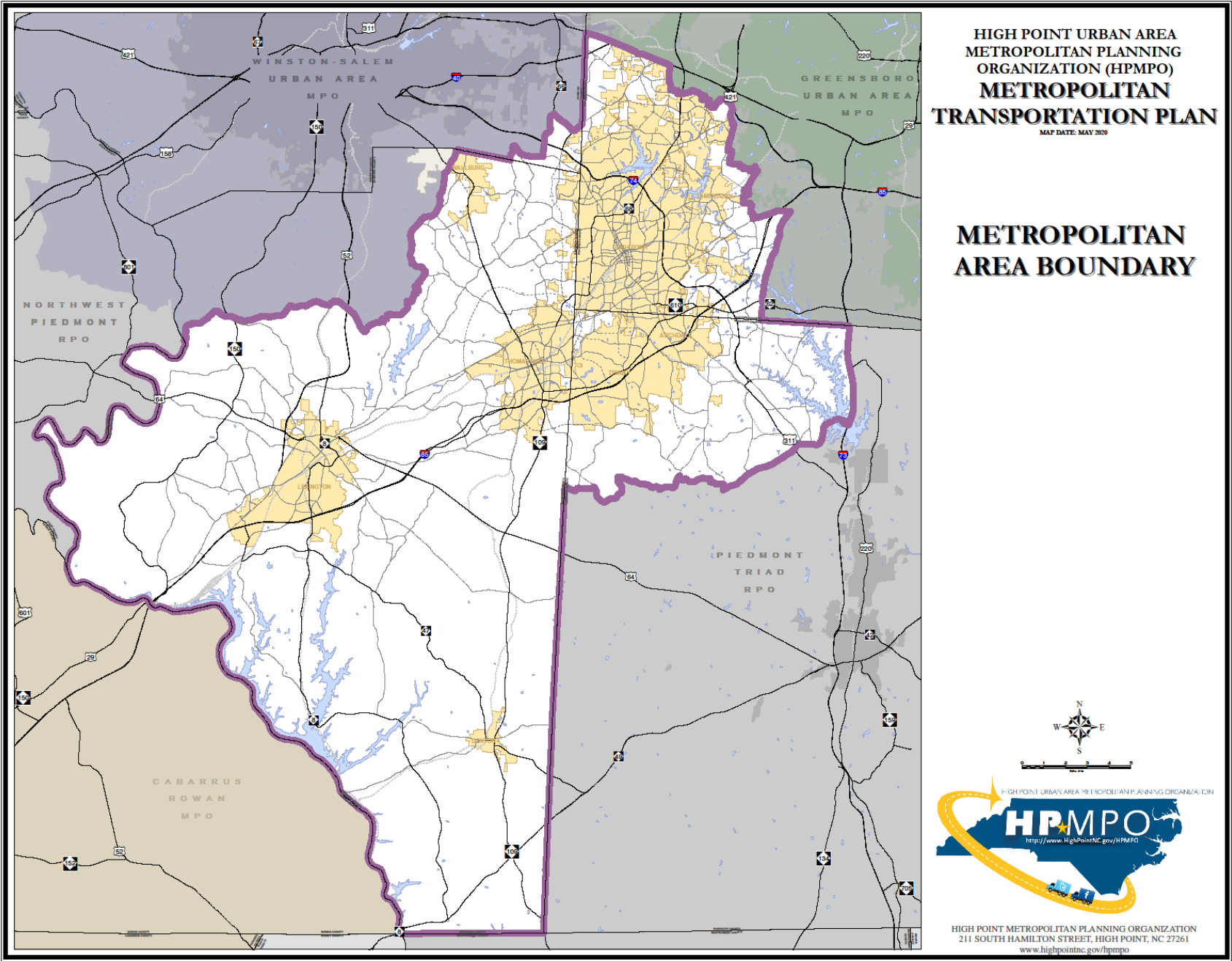


4.1 ROADS AND HIGHWAYS ELEMENT

The largest part of the transportation system is a roadway network of more than 7,000 lane miles and is comprised of NCDOT maintained roads, locally maintained roads, and private roads. In late 2013 the metropolitan area boundary for the High Point MPO increased in size to include the remaining portion of Davidson County not already included in an MPO. This substantially expanded the roadway network for the MPO. The High Point MPO with it’s central location in North Carolina has several major roadway facilities within, and extend through our MPO boundaryand are listed and shown darkened on the MPO Boundary map below:

- INTERSTATES
 - I-40
 - I-73
 - I-74
 - I-85
 - I-285
- US ROUTES
 - US 29
 - US 64
 - US 70
 - US 220
- NC ROUTES
 - NC 8
 - NC 47
 - NC 49
 - NC 62
 - NC 66
 - NC 68
 - NC 109
 - NC 150
 - NC 610



Radial movements that are strongest in the MPO are:

- Towards Greensboro and Jamestown to the northeast
- Towards Winston-Salem from High Point to the northwest via Interstate 74
- Towards the Piedmont Triad International Airport to the north via NC 68
- Towards Lexington from High Point to the southwest via Interstate 85 and US 29/70
- Towards Winston-Salem from Lexington via Interstate 285 (US 52)

There is radial demand between High Point, Thomasville, Archdale, Trinity, and Wallburg.

Heavily traveled routes include:

- Eastchester Drive (NC 68), towards Piedmont Triad International Airport
- Westchester Drive and National Highway (NC 68), towards Thomasville
- NC 109
- Main Street in High Point
- Main Street in Archdale
- Interstate 74
- Interstate 85
- US 29-70
- Wendover Avenue
- Main Street and NC 8 in and around Lexington
- High Point - Greensboro Road, and Surrett Drive.

The projects in the Roadway Element of the Transportation Plan come from the Comprehensive Transportation Plan (CTP) for the High Point Urbanized Area. The differences between the Roadway Element of the MTP and the CTP include:

The MTP is required by Federal Law, CTP is mandated by the North Carolina Department of Transportation.

The MTP is fiscally constrained. The CTP is not.

The Roadway Element is the network that is evaluated in the Piedmont Triad Regional Model Version 4.0 and in its Transportation Conformity analysis for the region. (See Appendix B)

The MPO selected horizon years for regional model analysis that comply with 40 CFR 93.106 of the Transportation Conformity Rule. The model was run for 2025, 2035, and 2045. The MPO consulted with NCDOT, NCDENR, USEPA, FHWA, and FTA to determine which projects were regionally significant under the conformity regulation.

Below is a summary of the proposed recommendations in the Roadway Element for each of the horizon years. The horizon years include, 2025, 2035, and 2045. MPO's may include projects in the Plan for illustrative purposes. The illustrative projects are those projects that are important but will fall just outside of the last horizon year of the Plan, 2040, and are not financially or fiscally constrained. These projects are included in the illustrative section of this chapter.

2025 NETWORK (EXISTING)

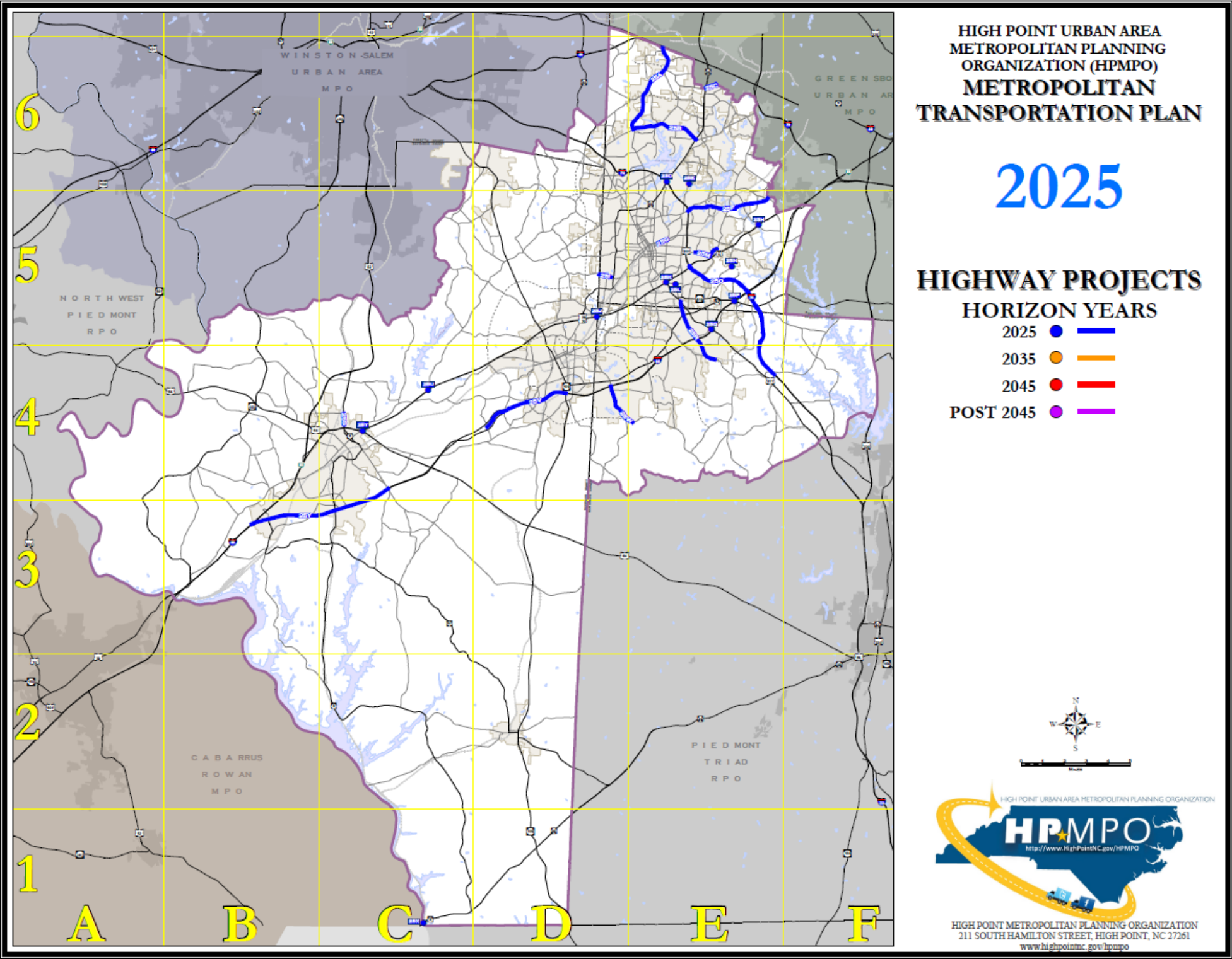
The 2025 network includes existing major streets and highways and the recommended new and widened roads that the MPO expects to complete by the end of 2025.

The notable projects expected to be completed in the 2025 Horizon Year are:

- Johnson Street / Sandy Ridge Road
- Skeet Club Road
- Business 85/US 29/US 70 / South Main Street interchange
- Greensboro Road (Jamestown Bypass)
- Winston Road in Lexington

MTP ID #	Horizon Year	TIP Number	Cost Est. (000)	Project Name	Length (miles)	Project Description	Functional Class	Median Type	Existing Cross-Section	Prop. Cross-Section
25A	2025	U-4758	\$53,174	Johnson St./Sandy Ridge	4.4	From Skeet Club Rd to Interstate 40 widen to a median divided multi-lane facility with bike lanes and sidewalks on both sides.	Minor Arterial	Divided	2	4-6
25B	2025	U-3615B	\$78,787	Skeet Club Rd	3.2	Widen roadway to a four lane median divided facility with wide outside lanes and sidewalks on both sides from NC 68 to Johnson St.	Minor Arterial	Divided	2	4
25C	2025	U-4015	\$8,150	Gallimore Dairy Road	1.1	Widen Gallimore Dairy Road from 2 lanes to a multi-lane facility	Minor Arterial	Undivided	2	5
25D	2025	U-5169	\$32,225	I-74(US 311)/ NC 68 Int.	0.5	Replace the existing interchange with one that more effectively processes traffic.	Other Principal Arterial	Divided	5	7
25E	2025	B-5714	\$2,108	Deep River Road	N/A	Replace Bridge NO. 67 over the Deep River in High Point	Minor Arterial		2	2
25F	2025	U-2412A	\$30,250	Greensboro Road (Jamestown Bypass)	3.8	Widen to a multi lane median divided facility from I-74/US 311 to Vickrey Chapel Road	Other Principal Arterial	Divided	0	4
25G	2025	Bond	\$4,130	Washington Street	0.4	Modernize Washington Street - Rehab pavement and sidewalks with possible conversion of old highway bridge to a pedestrian bridge	Major Collector	Undivided	2	2
25H	2025	B-5351	\$4,490	US 29/70 I-85 Business	N/A	Replace Bridge No. 242 over Deep River	Other Freeway		4	4
25I	2025	Bond	\$4,000	Burton Avenue	0.6	Add sidewalks and curb and gutter with turn lanes at specific intersections from Wright to Davidson County line	Minor Arterial	TWLTL	2	2
25J	2025	B-5783	\$6,166	US 29/70 I-85 Business	N/A	Replace Bridge No. 164 and 168 over the Norfolk Southern Railroad.	Other Freeway		4	4
25K	2025	U-5896	\$31,176	US29 / South Main Street (HighPoint)	N/A	Reconstruct interchange and replace bridge	Other Freeway		4	4
25L	2025	B-5358	\$1,010	Model Farm Road	N/A	Replace Bridge No. 428 over branch of Richland Creek in High Point.	Local		2	2

25M	2025	Bond	\$8,980	Triangle Lake Road	1.1	Widen Triangle Lake Road to a 3-lane facility with sidewalks on both sides from Hickory Chapel Road to Kivett Drive.	Minor Arterial/ Local	TWLTL	2	3
25N	2025	B-5723	\$3,237	Jackson Lake Road	N/A	Replace Bridge No. 54 over Two Mile Creek in High Point.	Local		2	2
25O	2025	I-5949	\$6,264	I-74	7.1	Pavement Rehabilitation from US 29 to Cedar Square Road	Interstate	Divided	4	4
25P	2025	U-6018	\$16,680	NC 62		Improve Interchange Area	Minor Arterial		2	2
25Q	2025	U-5770	\$30,150	I-85	N/A	Interchange improvements at Main Street in Archdale	Interstate	Divded	4	4
25R	2025	U-3400	\$33,200	Archdale Road	3.2	Widen to multi-lanes from South Main Street to Springwood Lane	Minor Arterial	TWLTL	2	3-Jan
25S	2025	U-5757	\$23,471	Winston Road (NC 8)	0.5	Convert the existing four lane facility to a four lane median divided facility with sidewalks and bike lanes on both sides from 9th Street to Biesecker Road in Lexington.	Other Principal Arterial	Divided	4	4
25T	2025	B-5779	\$5,162	US 29/70 I-85 Business	N/A	Replace Bridge No. 118 over N. Main Street in Lexington.	Other Freeway		2	2
25U	2025	R-5737	\$18,600	US29/70/ Business 85	2.0	Convert the at-grade intersection to an interchange at Old Greensboro Road and Business 85.	Other Freeway		4	4
25V	2025	I-5793	\$9,874	I-85	4.4	Pavement rehabilitation from Squire Bowers Road to .3 miles north of NC 109 in Thomasville	Interstate		6	6
25W	2025	U-5308	\$32,348	Finch Farm Rd	2.3	From Interstate 85 to Trinity City limits. Widen to a multi-lane median divided faciltiy with bike lanes and sidewalks on both sides.	Minor Arterial	Divided to Welborn Rd TWLTL to Kennedy Rd	2	4
25X	2025	B-4626	\$17,571	NC8 / NC 49	N/A	Replace Bridge 790003 and apply deck preservation treatment to Bridge 790008 over the Yadkin River and the Winston-Salem Southbound Railroad	Other Principal Arterial		2	2
25Y	2025	I-5950	\$11,506	I-85	6.6	Pavement Rehabilitation from Business 85 to north of SR 2205 (Old hwy 64)	Interstate		4	4



2025 Projects Map

2035 NETWORK

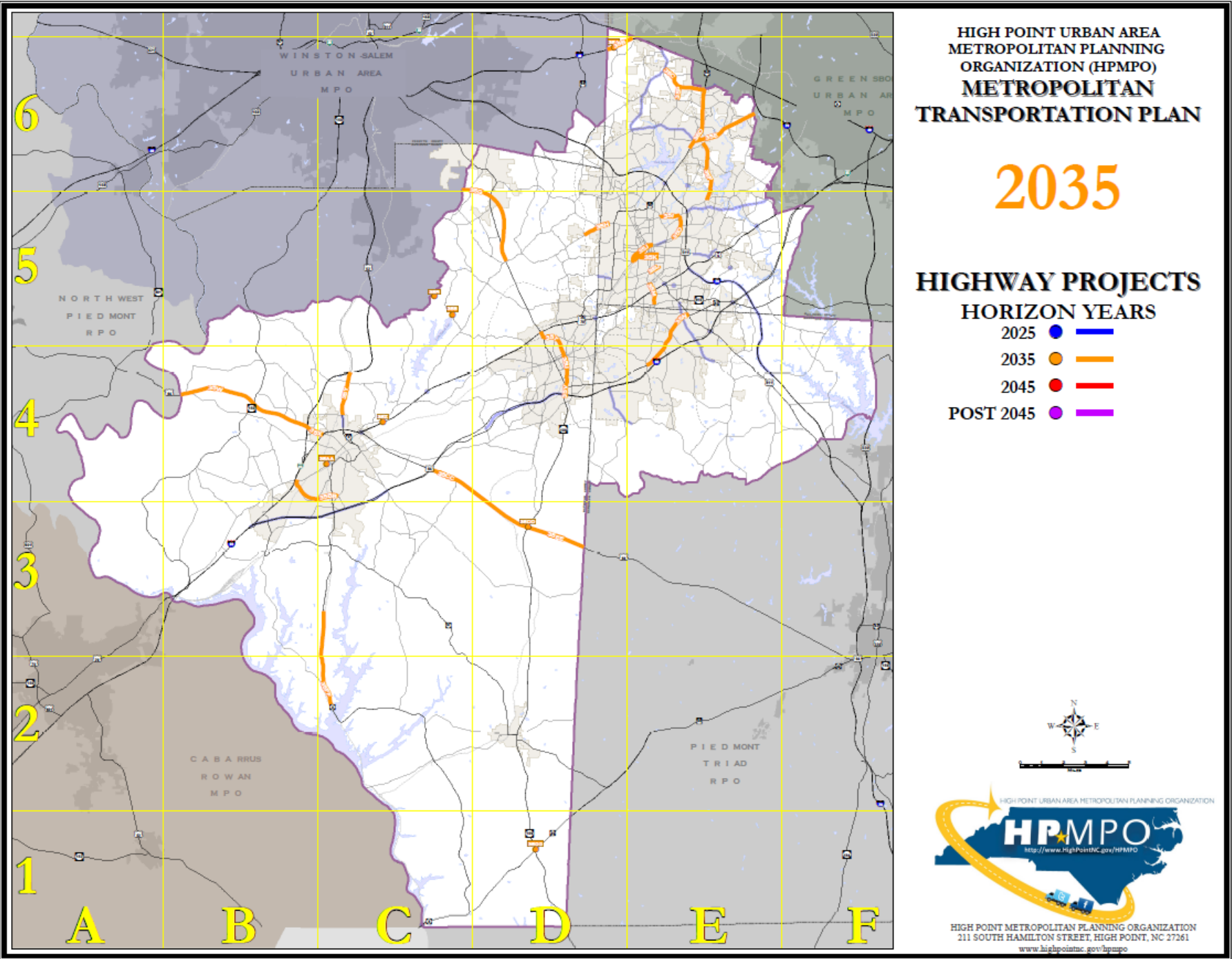
The 2035 network includes all of the existing major streets and highways and the recommended new and widened roads that will be completed by the end of 2035. A complete list of 2035 projects is located in Table 2 and on Map 2.

The most notable projects expected to be complete by the 2035 Horizon Year are:

- Widen Gallimore Dairy Road to a multi-lane facility with bike lanes and sidewalks on both sides;
- Widen Westside Bypass (NC 8) in Lexington to a median divided multi-lane facility, part on new location from S. Main Street to Fairview Drive;
- Widen I-40 to 6 lanes from I-74 to US 421;
- Improve NC 109, from north of Old Greensboro Rd SR 1756 to I-40/US 311. Widen roadway to multi-lane facility with portions on new location;
- Widen Penny Road to a multi-lane facility with bike lanes and sidewalks on both sides;
- Widen Wendover Avenue (US 70) to 6 lanes and add sidewalks.

MTP ID #	Horizon Year	TIP Number	Cost Est. (000)	Project Name	Length (miles)	Project Description	Funct. Class	Median Type	Existing Cross - Section	Proposed Cross-Section
35A	2035	I-5980	\$14,300	Macy Grove Road/I-40 Interchange	N/A	Construct new interchange at existing grade separation.	Local		2	2
35AA	2035	B-5773	\$3,575	South Main Street (Lexington)	N/A	Replace Bridge No. 25 over Winston-Salem Southbound Railway in Lexington.	Other Principal Arterial		3	3
35B	2035	I-5981	\$157,714	I-40	10.1	Widen to 6 lanes from I-74 to US 421	Interstate	Divided	4	6
35BB	2035	U-2545	\$58,480	Westside Bypass (NC8) in Lexington	2.8	Widen to a median divided multi-lane facility, part on new location from S. Main Street to Fairview Drive in Lexington	Minor Arterial	Divided	2	4
35C	2035		\$18,606	Gallimore Dairy Road	2.3	Widen to a multi-lane facility with bike lanes and sidewalks on both sides	Minor Arterial	Divided	2	4
35CC	2035	R-2220B	\$68,500	US 64	5.3	Widen to Multi-Lanes	Other Principal Arterial	Divided	2	4
35D	2035	U-5974	\$32,742	Eastcheaster Drive/NC 68	2.9	Upgrade to Synchronized Street with additional lane in each direction	Other Principal Arterial	Divided	4	6
35DD	2035	B-5777	\$2,035	NC 109	N/A	Replace Bridge NO. 58 over US 64	Other Principal Arterial		2	2
35E	2035	U-6121	\$31,605	Wendover Avenue (US 70)	3.1	6 lanes and add sidewalks	Othe Principal Arterial	Divided	4	6
35EE	2035	R-2220C	\$36,500	US 64	2.7	Widen to a multi-lane facility from NC 109 to the Randolph County Line	Other Principal Arterial	Divided	2	4
35F	2035		\$39,123	Penny Road	2.8	Widen to a multi-lane facility with bike lanes and sidewalks on both sides	Minor Arterial	Divided	2	4
35FF	2035	R-2300BA	\$9,900	Cotton Grove Road (NC8)	4.5	Widen to Multi-Lanes, Part on New Location	Major Collector	Divided	2	4

35G	2035	R-2568C	\$71,689	NC 109 Improvements	9.5	NC 109, from north of Old Greensboro Rd SR 1756 to I-40/US 311. Widen roadway to multi-lane facility with portions on new location.	Other Principal Arterial	Divided	2	4
35GG	2035	B-5787	\$2,200	NC 49	N/A	Replace Bridge NO. 29 over NC 109	Other Principal Arterial		2	2
35H	2035		\$35,494	West Lexington Avenue	5.5	Widen to a three lane facility with sidewalks and bike lanes on both sides from Kensington Drive to NC 109	Minor Arterial	TWLTL	2	3
35I	2035	Bond	\$9,000	Lexington Avenue	0.9	Widen to a two lane median divided facility with sidewalks and bike lanes from Main Strret to I-74	Minor Arterial	Divided	2	2
35J	2035	Bond	\$1,700	Martin Luther King Jr/English	1.2	Convert one-way pair to two-way operation	Other Principal Arterial	Undivided	3	2
35K	2035	Bond	\$1,900	Green/Russell	0.8	Convert one-way pair to two-way operation	Minor Arterial	Undivided	3	2
35L	2035	Bond	\$2,500	E. Ward Avenue	0.2	Extend E. Ward Avenue from Hamilton to Centennial	Minor Arterial	Undivided	0	2
35M	2035	U-5864	\$38,251	Surrett Drive	2.9	Widen Surrett Drive to a multi-lane facility from W. Fairfield Road to Interstate 85.	Minor Arterial / Major Collector	Divided	2	3
35N	2035	U-6191	\$15,500	NC 62	3.2	Modernize Roadway from SR 3252 (Surrett Dr) in Trinity to SR 1009 (N Main St) in Archdale	Minor Arterial	Undivided	2	2
35O	2035	Bond	\$4,000	Gordon Street	1.2	Widen to a three lane facility from Hoskins to Monlieu Avenue with sidewalks on both sides	Major Collector	TWLTL	2	3
35P	2035		\$4,179	Barrow Road Extension	0.6	Widen to a four lane median divided facility with Bike lanes and sidewalks on both sides	Other Principal Arterial	Divided	0	4
35R	2035	B-5774	\$1,320	Clodfelter Road	N/A	Replace Bridge NO. 99 over Brushy Fork Creek	Major Collector		2	2
35S	2035	B-5776	\$1,980	Clodfelter Road	N/A	Replace Bridge NO. 100 over Abbotts Creek	Major Collector		2	2
35T	2035	U-5311C	\$34,100	NC109 / Julian Avenue Ext.	1.7	Widen to Multi-lanes, part on new location from Business 85 to Main Street	Local	Divided	2	4
35U	2035	U-5311B	\$25,500	Julian Avenue	1.5	Widen existing roadway to a multi-lane facility from Cloninger Drive to Main Street	Local	Divided	2	4
35V	2035	U-5311A	\$37,800	NC 109	1.3	Widen existing roadway to a multi-lane facility from Lambeth Road to Cloninger Drive	Other Principal Arterial	Divided	2	4
35W	2035	R-3602B	\$65,169	US 64	6.2	US 601 South of Mocksville to US 52 in Lexington. Widen to Multi-Lanes and Upgrade interchange at US 52. Section B: US 64 from Davie County Line to US 52 in Lexington.	Other Principal Arterial	Divided	2	4
35X	2035	R-3602C	\$21,033	US 64 / B-85/29/70	0.6	US 601 South of Mocksville to US 52 in Lexington. Widen to Multi-Lanes and Upgrade interchange at US 52. Section C: US 64 at US 29/70 in Lexington.	Other Principal Arterial	Divided	2	4
35Y	2035		\$25,868	Winston Road (NC 8)	2.0	Widen to a four lane median divied faciltiy with Bike lanes and sidewalks on both sides	Other Principal Arterial	Divided	2	4
35Z	2035	B-5785	\$4,400	US 29/70 I-85 Business	N/A	Replace Bridge No. 121 and 122 over Leonard Creek.	Other Freeway		4	4



2035 Projects Map

2045 NETWORK

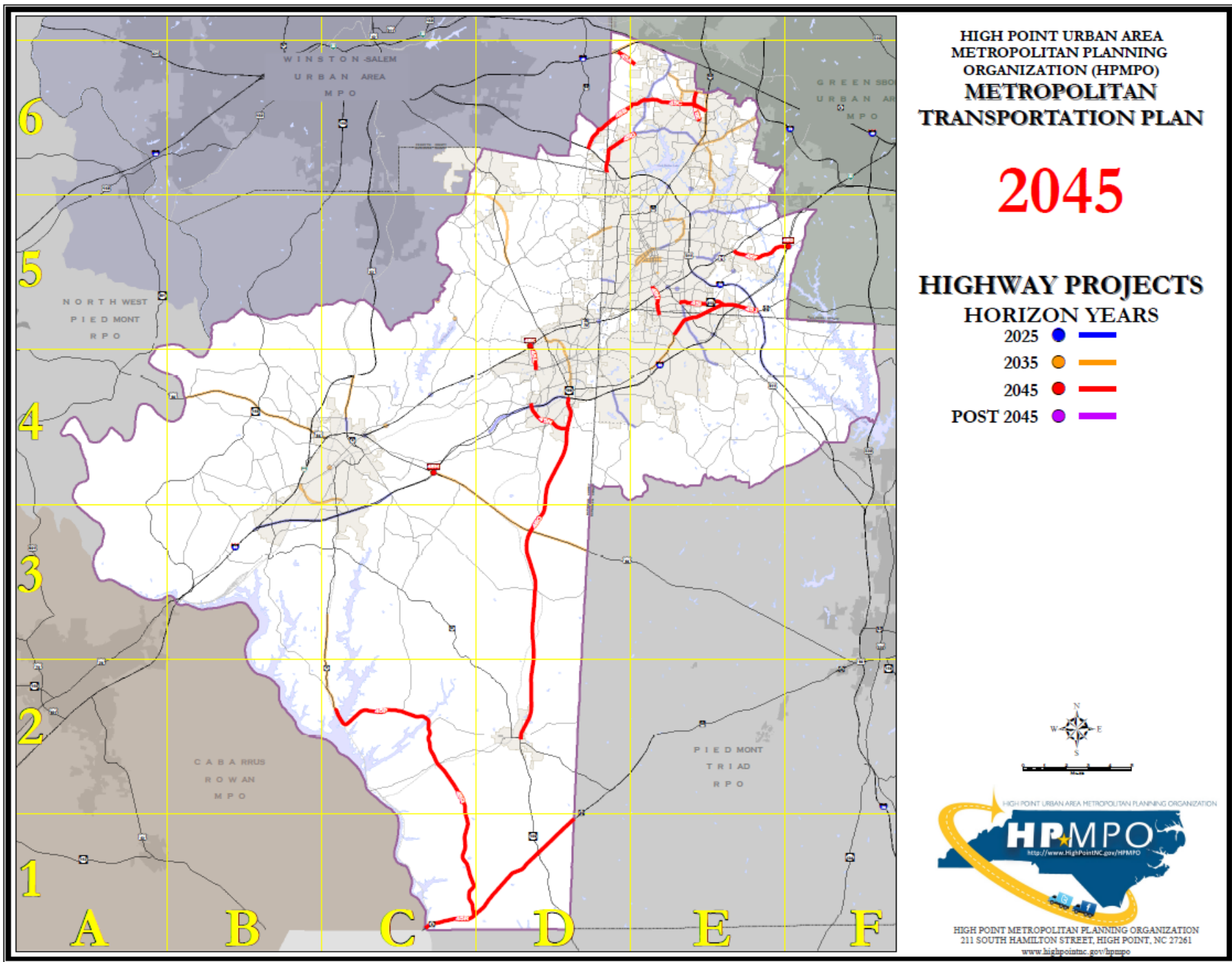
The 2045 network includes all of the existing major streets and highways and the recommended new and widened roads that are expected to be completed by the end of 2045.

The notable projects expected to be completed by the 2045 Horizon Year include:

- Extend Penny Road from Willard Dairy Road to Gallimore Dairy Road),
- Widen Widen to a multi-lane facility from Johnson Street to Main Street.
- Widen Surrett Drive (SR 1216), from W. Fairfield Road to Market Center Drive. Widen to multi-lanes,
- Widen Widen MLK Jr. Drive in Thomasville to a multi-lane facility from US 29/52/70 Bus. 85 to Main Street
- Widen E. Fairfield Rd (NC 610) from S. Main St (US 311) to Liberty Rd. (NC 62). Widen roadway to multi-lanes.

MTP ID #	Horizon Year	STIP Number	Cost Est. (000)	Project Name	Length (miles)	Project Description	Functional Class	Median Type	Existing Cross-Section	Proposed Cross-Section
45B	2045	FS-0707B	\$73,900	North-South Connector	7.0	Widen existing NC66, Squire Davis Road, and Sandy Ridge Road to a multi-lane facility.	Minor Arterial	Divided	2	4
45A	2045		\$39,531	Gallimore Dairy Road Extension	2.6	Widen to a four lane median divided facility with sidewalks and bike lanes on both sides.		Divided	0/2	4
45C	2045	Bond	\$37,654	Piedmont Parkway	2.9	From Eastchester Drive to Johnson St/Sandy Ridge Rd.	Future Minor Arterial	Divided	0	4
45D	2045	U-3615A	\$21,200	Skeet Club Road Widening	2.5	Widen to a multi-lane facility from Johnson Street to Main Street.	Minor Arterial	TWLTL	2	4
45E	2045		\$31,903	Penny Road Extension	1.4	Extend Penny Road from Willard Dairy Road to Gallimore Dairy Road	Minor Arterial	TWLTL	0	4
45F	2045		\$30,000	Kivett Drive (SR 1113)	1.0	From Business 85 (US 29-70) to Interstate 85. Widen roadway to a multi-lane curb and gutter facility and add a new interchange with I-85.	Minor Arterial	TWLTL	2	4
45G	2045		\$32,000	Kivett Drive/ I-85	N/A	New Interchange at Interstate 85 and Kivett Drive	Minor Arterial		2	2
45H	2045	U-3432	\$18,400	Surrett Dr	1.4	Surrett Drive (SR 1216), from W. Fairfield Road to Market Center Drive. Widen to multi-lanes	Minor Arterial	TWLTL	2	4
45I	2045	U-3433	\$18,800	E. Fairfield Rd (NC 610)	2.1	E. Fairfield Rd (NC 610) from S. Main St (US 311) to Liberty Rd. (NC 62). Widen roadway to multi-lanes.	Minor Arterial	TWLTL	2	4
45J	2045		\$7,309	NC 62	4.5	NC 62 from US 311 to Trinity Rd. Widen to 3 Lanes.	Minor Arterial	TWLTL	2	4
45K	2045		\$9,163	MLK Dr./ Jacobs St.	N/A	MLK Dr./Jacobs St. Extension/Business I-85 Interchange.	Major Collector	TWLTL	0	2
45L	2045	FS-0509A	\$17,200	Thomasville	1.0	Widen MLK Jr. Drive to a multi-lane facility from US 29/52/70 Bus. 85 to Main Street	Local	Divided	2	4
45M	2045		\$24,975	I-85 Business / US 64	N/A	Re-Construct interchange at intersection of I-85 Business/US 29/70 & US 64 East of Lexington	Freeway / Expressway		2	4
45N	2045	FS-0509A	\$23,900	Thomasville	2.0	Widen Lake Road to a multi-lane facility from Interstate 85 to NC 109. Part on new location	Local	Divided	2	4

45O	2045	R-4734	\$74,174	NC 109	16.2	NC 109 from Interstate 85 to NC 47. Widen to a multi-lane facility.	Other Principal Arterial	Divided	2	4
45P	2045	R-2300AB	\$11,100	NC 8	8.5	Widen to Multi-Lanes, Part on New Location	Major Collector	TWLTL	2	4
45Q	2045	R-2300AA	\$7,950	NC 8	6.3	Widen to Multi-Lanes, Part on New Location	Major Collector	TWLTL	2	4
45R	2045		\$95,229	NC 49	8.8	Widen to Multi-Lanes from Existing Four Lanes at Randolph County Line to Existing Four Lanes near Pee Dee River.	Other Principal Arterial	Divided	2	4
45S	2045		\$20,859	Eastchester Drive (NC 68)	2	Widen to a six lane median divided facility with sidewalk on both sides from the existing 6 lane section to Hickwood Road.	Other Principal Arterial	Divided	4	6
45T	2045		\$2,757	Willard Dairy Road	1.35	Wident to a four lane median divided facility with sidewalks and bike lanes on both sides.	Major Collector	Divided	2	4



2045 Projects Map

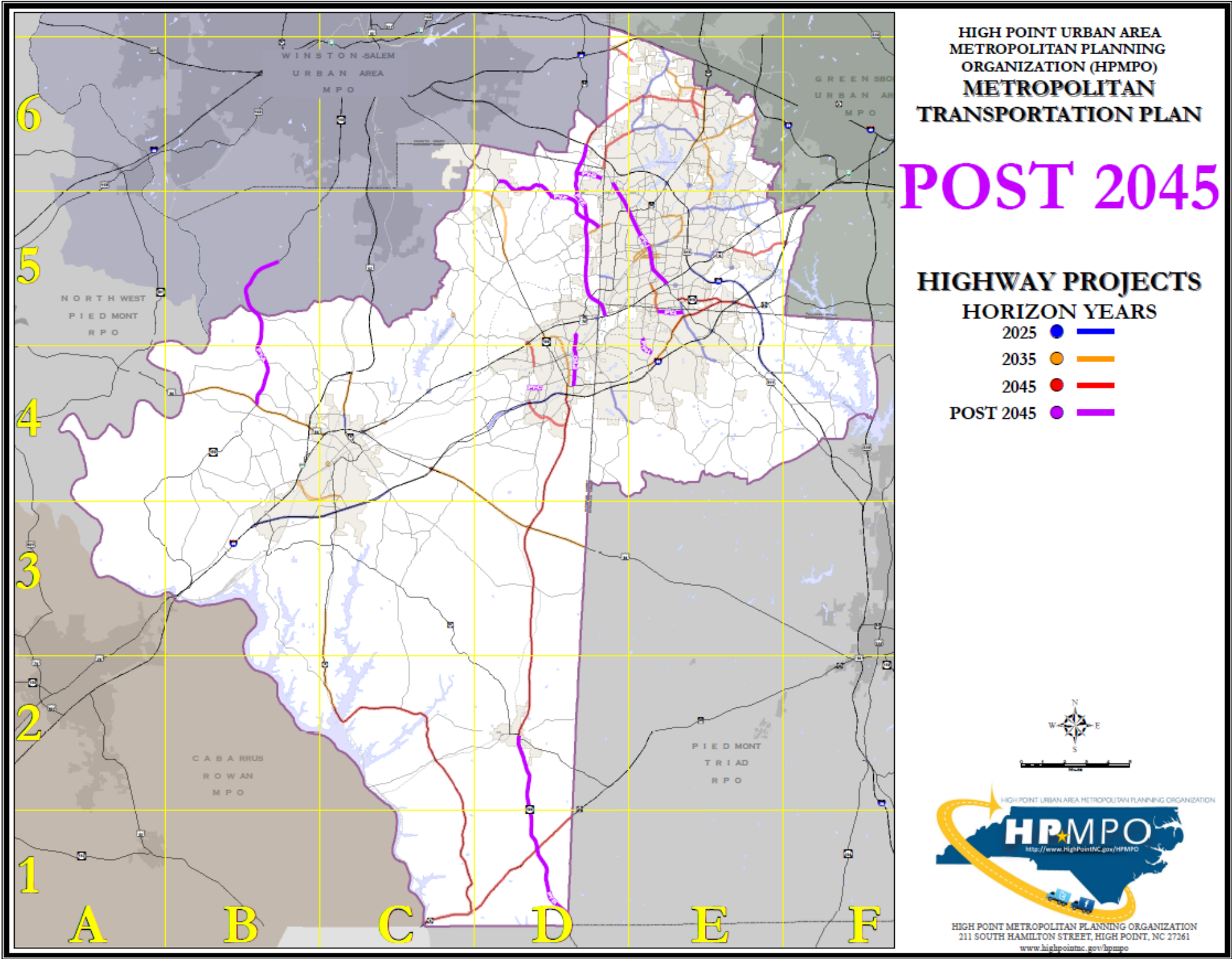
ILLUSTRATIVE PROJECTS

MPO’s may include projects in the Plan for illustrative purposes. The illustrative projects are those projects that are important but will fall just outside of the last horizon year of the Plan, 2045, and are not financially or fiscally constrained.

The notable illustrative projects include:

- Widen Turner St. (SR 2165) /Liberty Drive (SR 2055) from National Highway (SR 2123) to Cloniger St. (NC 62) to a four lane facility.
- Construct Westside Thoroughfare, a new multi-lane facility from Interstate 85 Business to US 311 Bypass,
- Modernize Main Street in High Point to a complete streets concept between I-74 and US 29,
- Widen Wallburg-High Point Road to a multi-lane facility from NC 109 to Lexington Avenue.

MTP ID #	Horizon Year	STIP Number	Cost Est. (000)	Project Name	Length (miles)	Project Description	Functional Class	Median Type	Existing Cross-section	Proposed Cross-section
PY-A	PY		\$92,491	NC 150	7.8	SR 1493 (Frye Bridge Rd/Welcome Arcadia Rd) to US 64. Widen to Multi-Lanes.	Other Principal Arterial	Divided	2	4
PY-B	PY		\$22,230	NC 109	24.5	NC 24/27 in Troy to NC 47 in Denton. Widen Existing Two-Lane Cross Section; Improve Shoulders; Add Turn Lanes at Traffic Generators; Improve Signalization. Provide bicycle accommodation	Minor Arterial	Undivided	2	4
PY-C	PY		\$2,284	Holly Hill Rd Connector	0.4	Holly Hill Rd Connector from West Holly Hill Rd to Baptist Children's Home Rd. New two lane facility.	Future Minor Arterial	Undivided	0	2
PY-D	PY	U-4420	\$36,700	Turner St/ Liberty Drive	2.4	Turner St. (SR 2165) /Liberty Drive (SR 2055) from National Highway (SR 2123) to Cloniger St. (NC 62). Widen to a four lane facility.	Minor Arterial	Divided	2	4
PY-E	PY	U-2537	\$329,682	Westside Thoroughfare	12.1	Construct a new multi-lane facility from Interstate 85 Business to US 311 Bypass.	Freeway/ Expressway	Divided	0	4
PY-F	PY		\$69,429	Wallburg-High Point Rd	3.7	Widen Wallburg/High Point Road to a multi-lane facility from NC 109 to Lexington Avenue.	Minor Arterial	Divided	2	4
PY-G	PY		\$12,274	Hedgecock Rd Extension	1.4	A new multi-lane facility from Old Plank Rd to the proposed North South Connector	Future Minor Arterial	Divided	0	4
PY-H	PY		\$18,525	Uwharrie Rd Extension	1	From Mendenhall Rd to Surrett Drive. Multi-lane extension on new location.	Major Collector	TWLTL	0	2
PY-I	PY		\$6,000	Eden Terrace Rd.	1.2	Eden Terrace Rd. (SR 1592) from Archdale Rd to Surrett Dr. Widen to a multi-lane facility.	Local	Divided	2	4
PY-J	PY		\$20,000	Main Street Modernization	5.6	Modernize Main Street in High Point to a complete streets concept between I-74 and US 29.	Minor Arterial	Divided	5	4



Post 2045 Projects Map