

## 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.

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, and
- Towards Winston-Salem from Lexington via US 52.
- There is some 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,
- US 311 Bypass,
- 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 2021, 2030, and 2040. The MPO consulted with NCDOT, NCDENR, USEPA, FHWA, and FTA to determine which projects were regionally significant under the conformity regulation. The conformity analysis is included in Chapter 6.

Below is a summary of the proposed recommendations in the Roadway Element for each of the horizon years. In the previously approved Plan the first horizon year was 2015. We have shown these projects in this update to show what has been recently constructed or will be constructed by the end of 2015. The horizon years include, 2021, 2030, and 2040. 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.

## Trends

Figures 4-1 and 4-2 show how vehicle miles of travel (VMT) in the Triad have grown since 1982. Figure 4-1 shows the VMT growth on the freeway system. Figure 4-2 shows the VMT growth on the arterial system (Tim Lomax, David Schrank & Bill Eisele, 2011). The peer cities are selected because their populations were similar to the Triad's population in 1982. The Freeway VMT graph shows that travel in the Triad has grown by 2.68 times since 1982. A careful look at the graph also shows that freeway travel seems to have plateaued since 2006. This is consistent with national data indicating that VMT plateaued all over the United States during that period (Robert Puentes, 2008). Brookings also reported a shift towards more travel on larger, high capacity roadways. Figure 4-2 illustrates this trend in the Triad where arterial VMT only grew by 1.4 times in the same time frame.

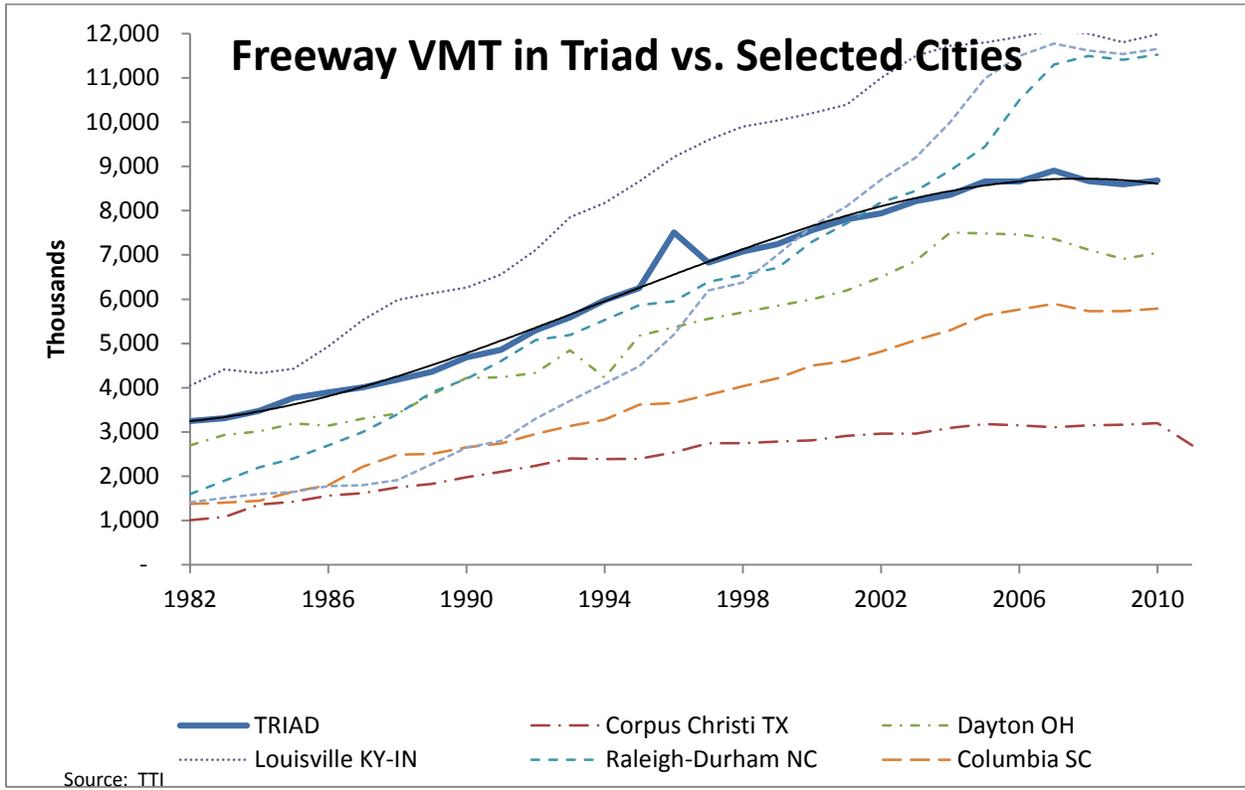
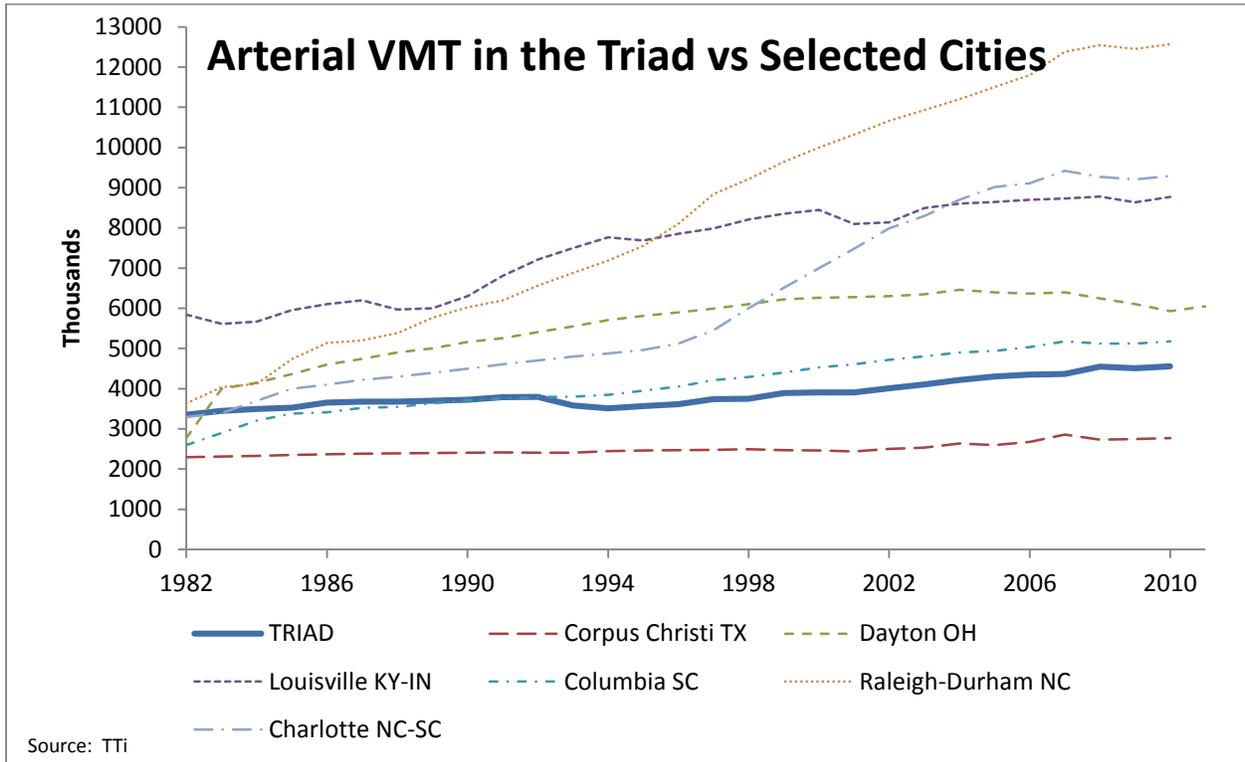


FIGURE 4-1: FREEWAY VMT TREND



**FIGURE 4-2: ARTERIAL VMT**

Figures 4-3 and 4-4 show the relationship of road users to road capacity measured by lane miles. Figure 4-3 shows that the Triad is relatively blessed with freeways and has more lane miles of freeway per user than any of the peer cities including Raleigh and Charlotte. However, if current trends continue the Triad will become more like Charlotte and Raleigh as new residents move into the area. Based on the trend it seems that the Charlotte may have more freeway capacity per user than the Triad by about 2020. Prospects for high levels of service on arterials are not as good as they are for freeways. Based on TTI’s last urban mobility report the Triad has less arterial capacity per user than the peer cities and the trend is for this to get worse.

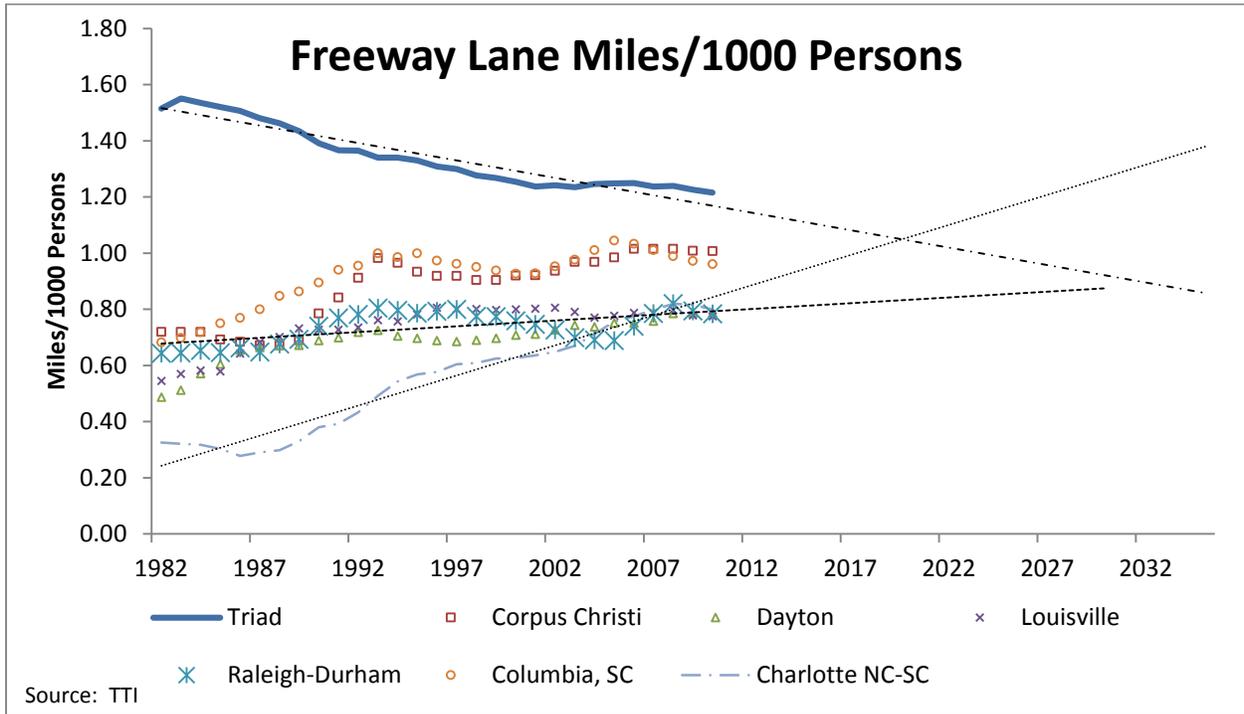
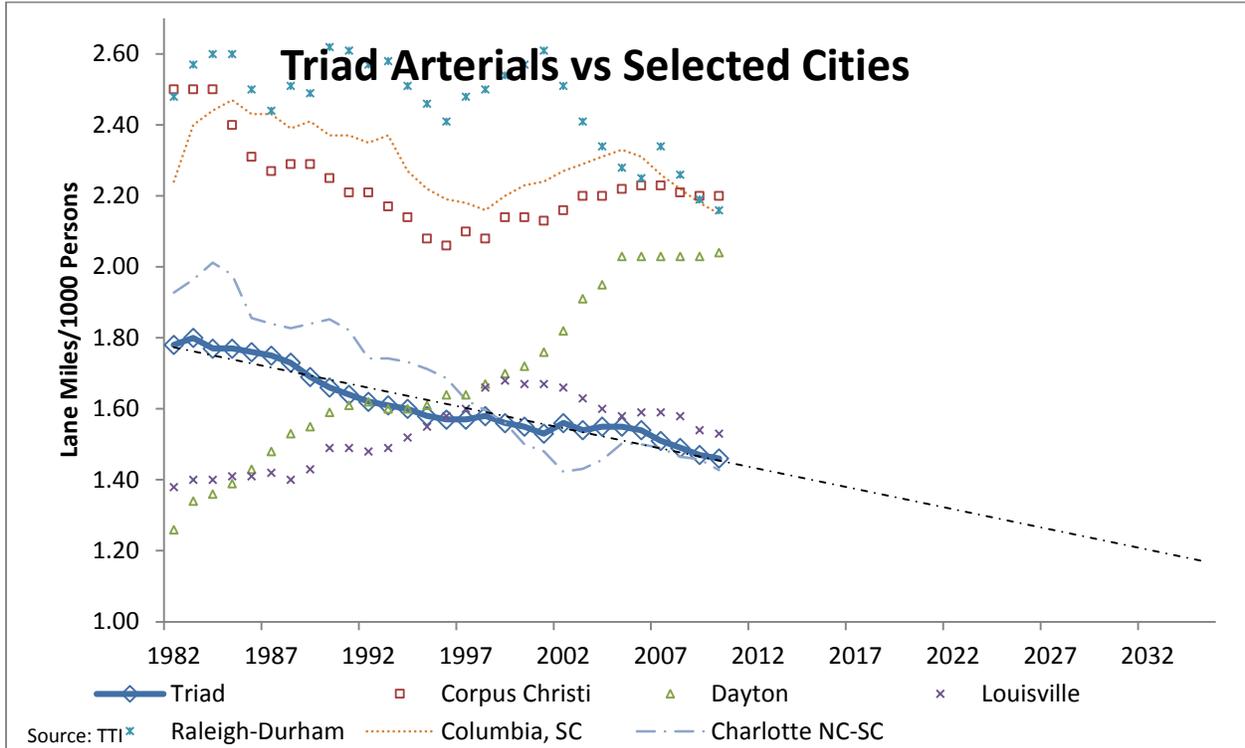


FIGURE 4-3: HISTORIC FREEWAY CAPACITY VS. USERS



**FIGURE 4-4: HISTORIC ARTERIAL CAPACITY VS. USERS**

### 2015 Network (Existing)

The 2015 network includes existing major streets and highways and the recommended new and widened roads that the MPO expects to complete by the end of 2015. The 2015 projects are included to show projects that have been completed or are near completion since our last update of the MTP. These projects are not included when discussing the Financial Plan later in chapter 5A complete list of 2015 projects is located in Table 1 and on Map 1.

The notable projects in the 2015 are:

- Hartley Drive Extension in High Point
- Lindsey Road in High Point
- Interstate 74 (US 311)

MTP ID #	Map Page	Horizon Year	TIP Number	Cost Est. (000)	Project Name	Region. Sig	Exempt	Length (miles)	Project Description	Functional Class	Existing Cross-Section	Proposed Cross-Section
15A	B3	2015	R-4750	\$9,885	US 52/NC 8 (Future I-285)	No	Yes 93.126	2.5	Pavement rehabilitation and upgrading to interstate standards from I-85 to north of Green Needles Road	Freeway/Expressway	4	4
15B	B4	2015	B-4740	\$1,408	Yadkin College Road	No	Yes 93.126	N/A	Replace Bridge NO. 7 over Dykers Creek	Local	2	2
15D	D4-E4	2015	I-5314	\$4,816	I-85	No	Yes 93.126	6.0	Replace funnel drains, construct expressway gutter, repair, replace guardrail, and resurface from Davidson County line to east of Main Street	Freeway/Expressway	6	6
15E	D5	2015	Bond	\$10,600	Hartley Drive Ext.	No	No	1.1	Construct a 4-lane median divided facility with sidewalks on both sides from N. Main St. to Shadow Valley Rd.	Future Minor Arterial	0	4
15F	D6	2015	I-5511	\$180	I-74/US 311	No	Yes 93.126	12.0	Install Signage to reflect Interstate designation from I-40 to Old Plank Road	Freeway/Expressway	4	4
15G	E5	2015	Bond	\$4,500	Lindsay St. Widening	No	Yes 93.126	0.8	Install curb and gutter with sidewalks on both sides of Lindsay Street from English Rd. to N. Main St. Install a roundabout at the signalized intersection of Elm Street and Lindsay Street.	Local	2	2
15H	E5	2015	B-4760	\$2,200	Surrett Dr. Bridge Replacement	No	Yes 93.126	N/A	Replace Bridge No. 77 over US29/70	Minor Arterial	2	2
15I	E5	2015	B-4957	\$2,330	Baker Rd. Bridge Replacement	No	Yes 93.126	N/A	Replace Bridge No.56 over Two Mile Creek	Minor Arterial	2	2
15J	E4-F4	2015	R-2606B	\$13,777	US311/I74	Yes	No	7.2	From north of SR 1929 to south of US 311. 4-lane interstate facility on new location.	Freeway/Expressway	0	4
15K	F4-F5	2015	I-5329	\$1,595	I-73/74/US 220	No	Yes 93.126	70.0	Upgrade signing to Interstate standards from south of Ellerbe in Richmond County to I-85/US 421 in Guilford County	Freeway/Expressway	4	4

TABLE 1: 2015 PROJECTS

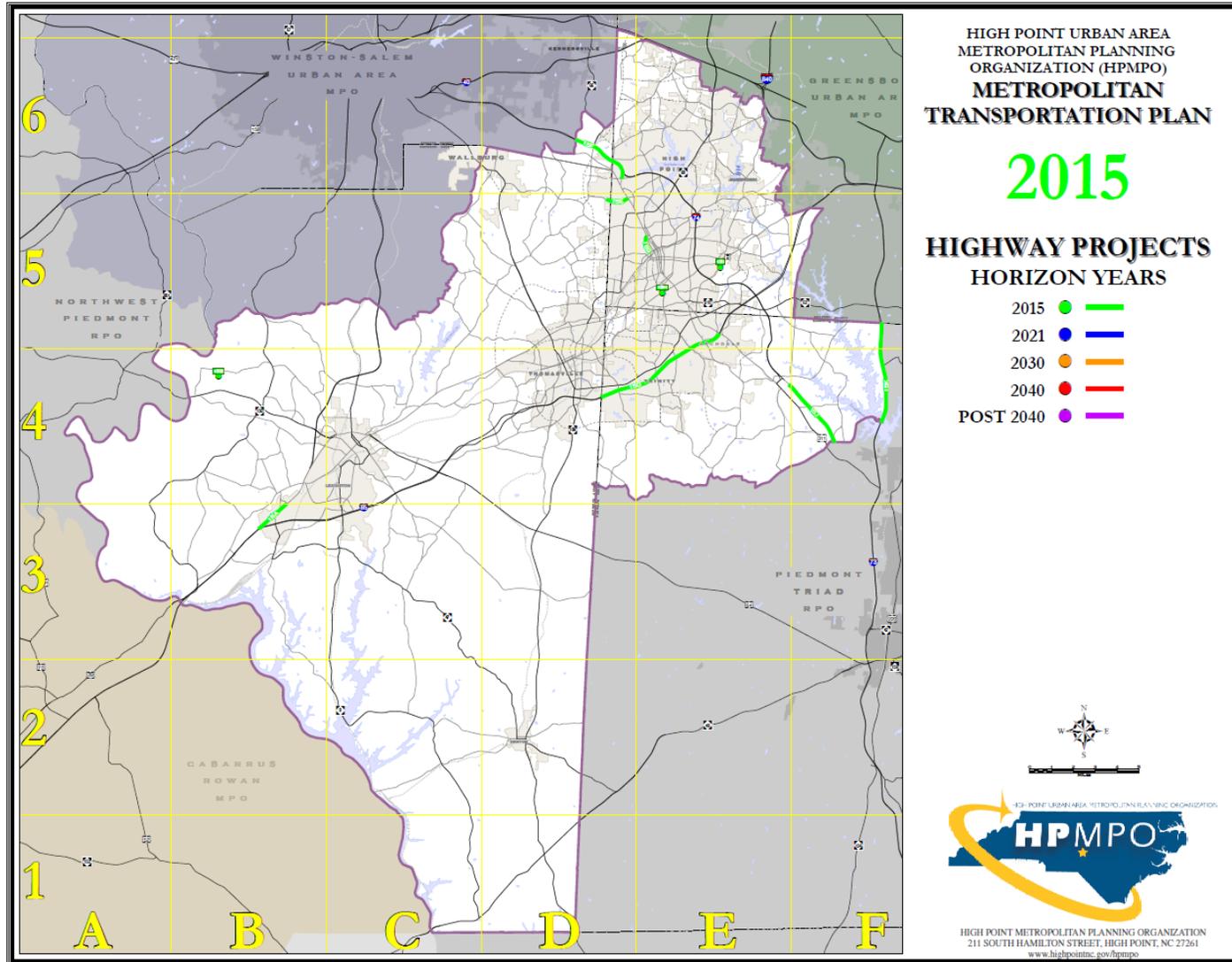


FIGURE 4-5: 2015 PROJECTS

## 2021 Network

The 2021 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 2021. A complete list of 2021 projects is located in Table 2 and on Map 2.

The most notable projects of 2021 are:

- Replace the Interchange of Interstate 74 with Eastchester Drive (NC 68) (U-5169),
- Widen Winston-Road (NC 8) (U5757)
- Widen Archdale Road (U-3400),
- Widen Finch Farm Road (U-5308)
- New construction of High Point – Greensboro Road The majority of this project is in the Greensboro MPO (U-2412B)
- Widen Skeet Club Road (U3615-B)

MTP ID #	Map Page	Horizon Year	TIP Number	Cost Est. (000)	Project Name	Region. Sig	Exempt	Length (miles)	Project Description	Functional Class	Existing Cross-Section	Prop. Cross-Section
21A	B3	2021	I-2304	\$302,638	I-85	Yes	No	6.8	Additional Lanes and Yadkin River Bridge Construction from north of Long Ferry Road in Rowan County to US 29/52/70 Business 85 in Davidson County	Freeway/ Expressway	4	8
21B	B3	2021	B-5780	\$1,540	NC 47	No	Yes 93.126	N/A	Replace Bridge NO. 17 over Swearing Creek	Major Collector	2	2
21C	C4	2021	I-5740	\$200	I-85	Yes	Yes 93.126	0.9	Pavement rehabilitation from 1.7 miles from north of Old US 64 to .3 miles north of US 64	Freeway/ Expressway	4	4
21D	C4	2021	U-5757	\$1,254	Winston Road (NC 8)	No	Yes 93.126	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	4	4
21E	C4	2021	B-3159	\$22,691	NC 8	No	Yes 93.126	N/A	Replace Bridge NO. 27 over US 29 / US 64 /	Other Principal Arterial / Minor Arterial	2	2
21F	C4	2021	R-5737	\$18,600	US29/70/ Business 85	Yes	No	2.0	Convert the at-grade intersection to an interchange at Old Greensboro Road and Business 85.	Freeway/ Expressway	4	4
21G	D4	2021	I-5793	\$6,386	I-85	No	Yes 93.126	4.4	Pavement rehabilitation from Squire Bowers Road to .3 miles north of NC 109 in Thomasville	Freeway/ Expressway	6	6
21H	D4-E4	2021	I-5764	\$768	I-85	No	Yes 93.126	2.0	Pavement rehabilitation from 1.1 miles north of Finch Farm Road to Meadowbrook Drive in Trinity	Freeway/ Expressway	6	6
21I	D4-E4	2021	U-5308	\$18,570	Finch Farm Rd	No	No	2.3	From Interstate 85 to Trinity City limits. Widen to a multi-lane median divided facility with bike lanes and sidewalks on both sides.	Minor Arterial	2	4
21J	D5	2021	Bond	\$4,000	Burton Avenue	No	Yes 93.127	0.6	Add sidewalks and curb and gutter with turn lanes at specific intersections from Wright to Davidson County line	Minor Arterial	2	2
21K	D5	2021	B-5114	\$6,824	Prospect Street	No	Yes 93.126	N/A	Replace Bridge No. 136 over US 29/70 Business 85	Minor Arterial	2	2

21L	D6	2021	I-5767	\$4,754	I-74/US 311	No	Yes 93.126	8.5	Pavement rehabilitation from .7 miles east of I-40 to the Guilford County Line	Freeway/ Expressway	4	4
21M	D6	2021	I-5814	\$3,226	I-40	No	Yes 93.126	2.4	Pavement rehabilitation from .4 miles east of Old Salem Road to .3 miles west of Macy Grove Road	Freeway/ Expressway	4	4
21N	D6- E6	2021	I-5762	\$3,262	I-40	No	Yes 93.126	4.0	Pavement rehabilitation from Forsyth County line to 1.3 miles east of Sandy Ridge Road	Freeway/ Expressway	4	4
21O	E4- E5	2021	I-5792	\$553	I-85	No	Yes 93.126	2.3	Pavement rehabilitation from Meadowbrook Drive to South Main Street in Archdale	Freeway/ Expressway	6	6
21P	E5	2021	Bond	\$1,700	Kivett/English	No	No	1.2	Convert one-way pair to two-way operation	Minor Arterial	3	2
21Q	E5	2021	Bond	\$1,900	Green/Russell	No	No	0.8	Convert one-way pair to two-way operation	Minor Arterial	3	2
21R	E5	2021	Bond	\$4,130	Washington Street	No	Yes 93.126	0.4	Modernize Washington Street - Rehab pavement and sidewalks with possible conversion of old highway bridge to a pedestrian bridge	Major Collector	2	2
21S	E5	2021	Bond	\$4,000	Gordon Street	No	No	1.2	Widen to a three lane facility from Hoskins to Monlieu Avenue with sidewalks on both sides	Major Collector	2	3
21T	E5	2021	Bond	\$2,500	E. Ward Avenue	No	No	0.2	Extend E. Ward Avenue from Hamilton to Centennial	Minor Arterial	0	2
21U	E5	2021	B-5353	\$7,610	US 29/70 I-85 Business	No	Yes 93.126	N/A	Replace Bridge No. 147 over South Main Street	Freeway/ Expressway	4	4
21V	E5	2021	B-5358	\$1,010	Model Farm Road	No	Yes 93.126	N/A	Replace Bridge No. 428 over branch of Richland Creek in High Point.		2	2
21W	E5	2021	U-5770	\$2,175	I-85	No	Yes 93.127	N/A	Interchange improvements at Main Street in Archdale	Freeway/ Expressway	4	4
21X	E5	2021	I-5738	\$7,000	I-85	No	Yes 93.126	1.0	Pavement rehabilitation from south of Main Street in Archdale to north of Lunar Drive.	Freeway/ Expressway	6	6
21Y	E5- F5	2021	I-5821	\$6,692	I-85	No	Yes 93.126	5.5	Pavement rehabilitation from the Randolph County line to 1 mile east of Kivett Drive	Freeway/ Expressway	6	6
21Z	E5	2021	B-5351	\$4,490	US 29/70 I-85 Business	No	Yes 93.126	N/A	Replace Bridge No. 242 over Deep River	Freeway/ Expressway	4	4
21AA	E5- E6	2021	U- 2412B	\$115,668	Greensboro High Point Rd	Yes	No	4.0	From Vickery Chapel Rd. to Hilltop Road. Widen to a four lane median divided facility, part on new location.	Other Principal Arterial	0	4

21BB	E6	2021	U-5169	\$17,264	I-74(US 311)/ NC 68 Int.	Yes	No	0.5	Replace the existing interchange with one that more effectively processes traffic.	Other Principal Arterial	5	7
21CC	E6	2021	B-5714	\$2,108	Deep River Road	No	Yes 93.126	N/A	Replace Bridge NO. 67 over the Deep River in High Point	Minor Arterial	2	2
21DD	E6	2021	U-3615B	\$49,199	Skeet Club Rd	No	No	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	2	4
21EE	F4-F5	2021	I-5763	\$8,987	I-73	Yes	Yes 93.126	7.7	Pavement rehabilitation from US 311 to 0.6 miles north of Hockett Dairy Road	Freeway/ Expressway	4	4
21FF	F5	2021	I-5789	\$3,208	I-85	Yes	Yes 93.126	2.0	Pavement rehabilitation from Kivett Drive to .4 miles north of I-85 Business in High Point.	Freeway/ Expressway	6	6
		2021	C-5558	\$10,101	High Point Signal System	No	Yes 93.126	N/A	Upgrade the Signal System for the City of High Point			
		2021	C-5216	\$735	Bike and Ped Project in Lexington	No	Yes 93.126	N/A	Extend sidewalks on South Main Street and provide wide paved shoulders on Anna Lewis Drive and emergency Drive to provide bicycle access to Memorial hospital.	N/A	N/A	N/A
		2021	C-5217	\$243	Bike and Ped Project in Lexington	No	Yes 93.126	N/A	Bike and Pedestrian improvements in the vicinity of school. Provide wide paved shoulders on Mize Road and Bisecker Road and construct sidewalks on cornelia Street and Hillside Drive.	N/A	N/A	N/A
		2021	C-5232	\$100	Transit	No	Yes 93.126	N/A	Bus Shelters, signage and marketing support for new fixed route service in Thomasville	N/A	N/A	N/A
		2021	C-5559	\$180	Transit	No	Yes 93.126	N/A	Circular Route and Thomasville/Lexington Connector	N/A	N/A	N/A
		2021	C-5609	\$2,554	HPMPO CMAQ	No	Yes 93.126	N/A	Projects to improve air quality in the High Point MPO.	N/A	N/A	N/A
		2021	C-5208	\$355	Hybrid Refuse Truck Purchase	N/A	N/A	N/A	Not part of the Transportation System	N/A	N/A	N/A
		2021	C-5560	\$38	Charging Station	N/A	N/A	N/A	Town of Denton Purchase of an electric vehicle charging station.	N/A	N/A	N/A

TABLE 2: 2021 PROJECTS

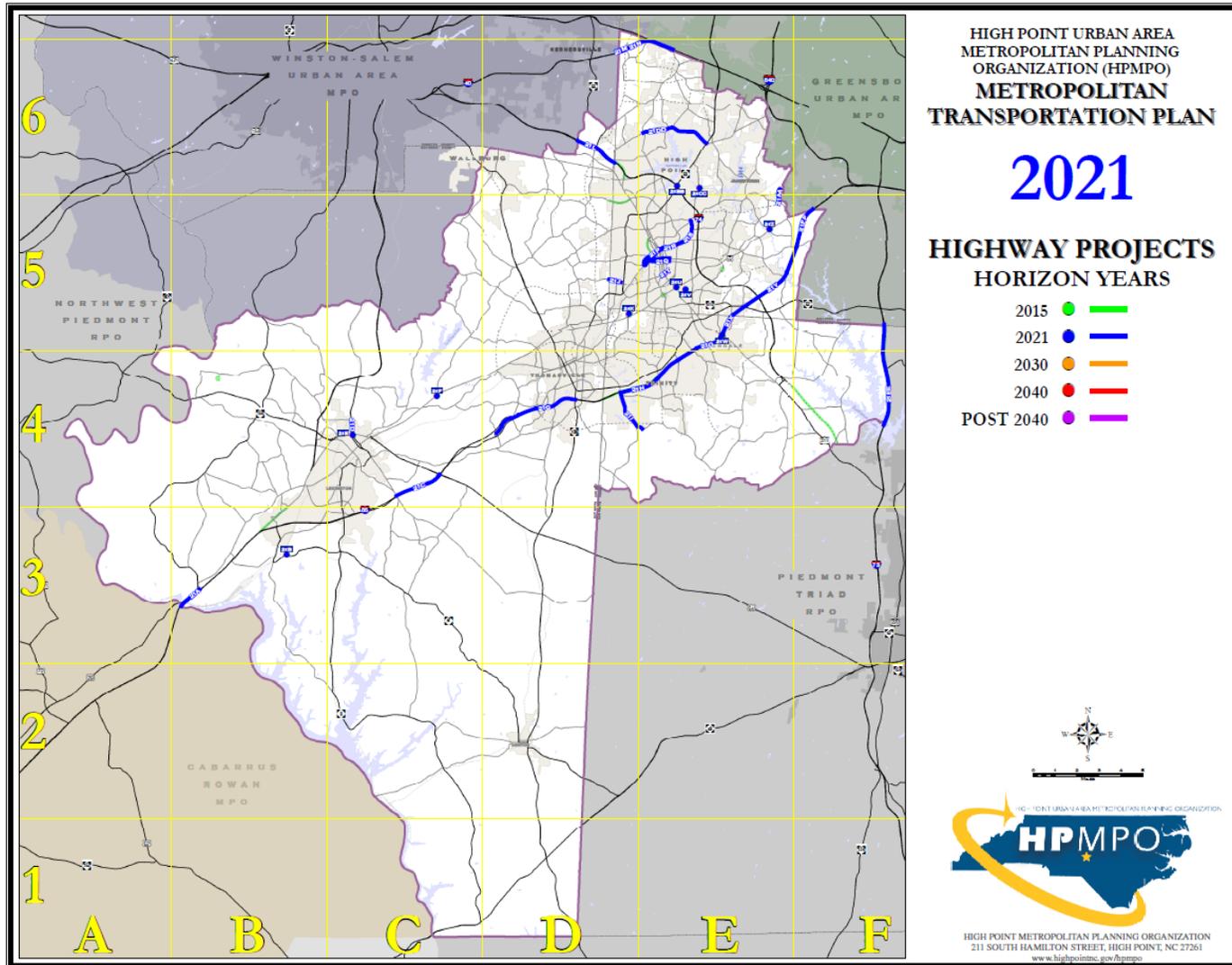


FIGURE 4-6: 2021 PROJECTS

## 2030 Network

The 2030 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 2030. A complete list of 2030 projects is located in Table 3 and on Map 3.

The notable projects expected to be completed by 2030 include:

- Widening of John Street / Sandy Ridge Road (U-4758)
- Widening of US 64 (R-3602)
- Widening and construction of Julian Avenue in Thomasville for NC 109 bypass (U-5311),
- Widening of NC 109 to Winston-Salem (R-2568C),
- The construction of the Westside Bypass in Lexington (U-2545),
- The construction of Greensboro – High Point Road (Jamestown Bypass) (U2412B)
- The construction of NC 109 from W. Lexington Avenue to I-40.

MTP ID #	Map Page	Horizon Year	TIP Number	Cost Est. (000)	Project Name	Region. Sig	Exempt	Length (miles)	Project Description	Funct. Class	Ex. Cross - Section	Prop. Cross-Section
30A	B4	2030	R-3602B	\$65,169	US 64	No	No	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	2	4
30B	B4-C4	2030	R-3602C	\$21,033	US 64 / B-85/29/70	Yes	No	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	2	4
30C	B4-C4	2030	U-2545	\$58,480	Westside Bypass (NC8) in Lexington	No	No	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	2	4
30D	C1	2030	B-4626	\$5,898	NC8 / NC 49	No	Yes 93.126	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
30E	C2-C3	2030	R-2300BA	\$9,900	Cotton Grove Road (NC8)	Yes	No	4.5	Widen to Multi-Lanes, Part on New Location	Major Collector	2	4
30F	C4-D3	2030	R-2220B	\$68,500	US 64	Yes	No	5.3	Widen to Multi-Lanes	Minor Arterial	2	4
30G	C4	2030	B-5773	\$3,575	South Main Street (Lexington)	No	Yes 93.126	N/A	Replace Bridge No. 25 over Winston-Salem Southbound Railway in Lexington.	Other Principal Arterial	3	3
30H	C4	2030	B-5779	\$4,264	US 29/70 I-85 Business	No	Yes 93.126	N/A	Replace Bridge No. 118 over N. Main Street in Lexington.	Other Freeway	2	2
30I	C4	2030	B-5785	\$4,400	US 29/70 I-85 Business	No	Yes 93.126	N/A	Replace Bridge No. 121 and 122 over Leonard Creek.	Other Freeway	4	4
30J	C5	2030	B-5774	\$1,320	Clodfelter Road	No	Yes 93.126	N/A	Replace Bridge NO. 99 over Brushy Fork Creek	Major Collector	2	2
30K	C5	2030	B-5776	\$1,980	Clodfelter Road	No	Yes 93.126	N/A	Replace Bridge NO. 100 over Abbotts Creek	Major Collector	2	2
30L	C6-D5	2030	R-2568C	\$71,689	NC 109 Improvements	Yes	No	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	2	4

30M	D1	2030	B-5787	\$2,200	NC 49	No	Yes 93.126	N/A	Replace Bridge NO. 29 over NC 109	Other Principal Arterial	2	2
30N	D3	2030	B-5777	\$2,035	NC 109	No	Yes 93.126	N/A	Replace Bridge NO. 58 over US 64	Other Principal Arterial	2	2
30O	D4	2030	U-5311A	\$37,800	NC 109	Yes	No	1.3	Widen existing roadway to a multi-lane facility from Lambeth Road to Cloninger Drive	Other Principal Arterial	2	4
30P	D4	2030	U-5311B	\$25,500	Julian Avenue	No	No	1.5	Widen existing roadway to a multi-lane facility from Cloninger Drive to Main Street	Local	2	4
30Q	D4-D5	2030	U-5311C	\$34,100	NC109 / Julian Avenue Ext.	No	No	1.7	Widen to Multi-lanes, part on new location from Business 85 to Main Street	Local	2	4
30R	D5	2030	B-5783	\$6,066	US 29/70 I-85 Business	No	Yes 93.126	N/A	Replace Bridge No. 164 and 168 over the Norfolk Southern Railroad.	Other Freeway	4	4
30S	D6	2030		\$6,670	Macy Grove Road/I-40 Interchange	Yes	No	N/A	Construct new interchange at existing grade separation.	Local	2	2
30T	D6-E6	2030		\$48,850	I-40	Yes	No	10.1	Widen interstate from 4 Lanes to Six Lanes Between US 311 and I-40 Bus./US 421	Interstate	4	6
30U	E4-E5	2030	U-5864	\$34,739	Surrett Drive	No	No	2.9	Widen Surrett Drive to a multi-lane facility from Eden Terrace to Interstate 85.	Minor Arterial / Major Collector	2	4
30V	E4-E5	2030	U-3400A	\$21,545	Archdale Road	No	No	2.8	Widen to a multi lane facility from Robbins Country Road to the Guilford County line	Minor Arterial	2	4
30W	E5	2030		\$19,440	US 29/70 I-85 Business	No	Yes 93.127	N/A	Replace the existing interchange at S. Main Street with a modern interchange	Freeway/ Expressway	4	4
30X	E5	2030	Bond	\$9,000	Lexington Avenue	No	Yes 93.126	0.9	Widen to a two lane median divided facility with sidewalks and bike lanes from N. College Drive to Montlieu Avenue	Minor Arterial	2	2
30Y	E5	2030	U-5855	\$10,052	Montlieu Avenue	No	Yes 93.126	1.3	Widen to two lane median divided facility with sidewalks and bike lanes from N. College Drive to I-74	Minor Arterial	2	2
30Z	E5	2030	U-2412A	\$48,100	Greensboro High Point Rd	Yes	No	3.8	Widen to a multi lane median divided facility from I-74/US 311 to Vickrey Chapel Road	Other Principal Arterial	0	4

30AA	E5	2030	Bond	\$8,980	Triangle Lake Road	No	Yes 93.127	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	2	3
30BB	E5	2030	B-5723	\$2,663	Jackson Lake Road	No	Yes 93.126	N/A	Replace Bridge No. 54 over Two Mile Creek in High Point.	Local	2	2
30CC	E5	2030	B-5730	\$3,092	US 29/70 I-85 Business	No	Yes 93.126	N/A	Replace Bridge No. 237 Over Deep River in High Point.	Other Freeway	4	4
30DD	E6	2030	U-4758	\$25,818	Johnson St./Sandy Ridge	No	No	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	2	4

TABLE 3: 2030 PROJECTS

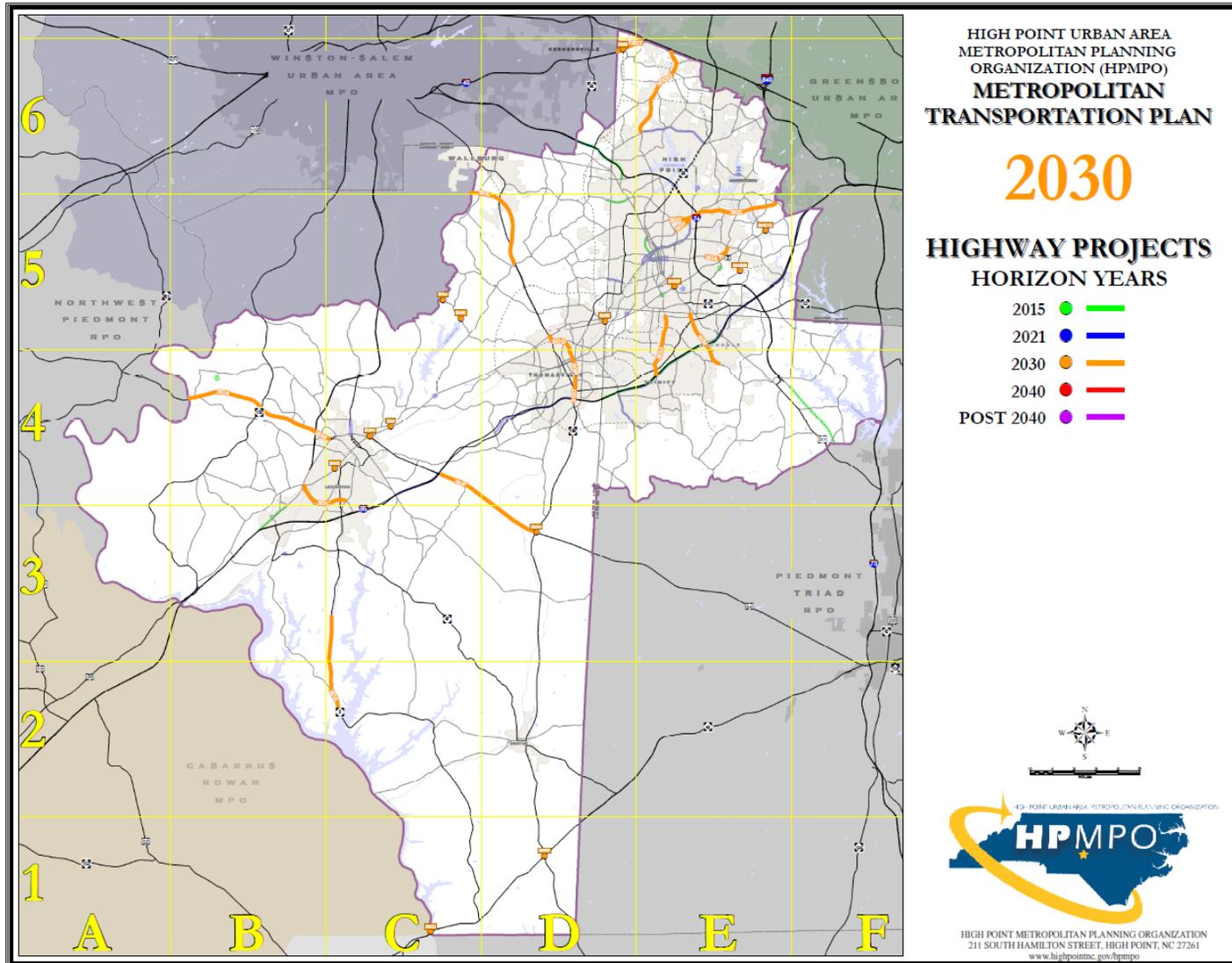


FIGURE 4-7: 2030 PROJECTS

## 2040 Network

The 2040 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 2040. A complete list of 2040 projects is located in Table 4 and on Map 4.

The notable projects expected to be completed by 2030 include:

- The construction of a new interchange at Main Street and Interstate 85 in Archdale,
- Widening of Skeet Club Road (U3615A)
- The construction of the Piedmont Parkway Extension,
- Widening of NC 109 south of Thomasville (u4734),
- Widening of NC 8 (R-2300)
- The construction of the Airport Connector.

# Metropolitan Transportation Plan (MTP) 2040

MTP ID #	Map Page	Horizon Year	STIP Number	Cost Est. (000)	Project Name	Region . Sig	Exempt	Length (miles)	Project Description	Functional Class	Existing Cross-Section	Prop. Cross-Section
40A	C1-D1	2040		\$95,229	NC 49	Yes	No	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	2	4
40B	C1-C2	2040	R-2300AA	\$7,950	NC 8	No	No	6.3	Widen to Multi-Lanes, Part on New Location	Major Collector	2	4
40C	C2	2040	R-2300AB	\$11,100	NC 8	No	No	8.5	Widen to Multi-Lanes, Part on New Location	Major Collector	2	4
40D	C4	2040		\$24,975	I-85 Business / US 64	No	Yes 93.127	N/A	Re-Construct interchange at intersection of I-85 Business/US 29/70 & US 64 East of Lexington	Freeway / Expressway	2	4
40E	D2-D4	2040	R-4734	\$74,174	NC 109	Yes	No	16.2	NC 109 from Interstate 85 to NC 47. Widen to a multi-lane facility.	Other Principal Arterial	2	4
40F	D3	2040	R-2220CA	\$36,500	US 64	Yes	No	2.7	Widen to a multi-lane facility from NC 109 to the Randolph County Line	Other Principal Arterial	2	4
40G	D4	2040	FS-0509A	\$23,900	Thomasville	No	No	2.0	Widen Lake Road to a multi-lane facility from Interstate 85 to NC 109. Part on new location	Local	2	4
40H	D4-D5	2040	FS-0509A	\$17,200	Thomasville	No	No	1.0	Widen MLK Jr. Drive to a multi-lane facility from US 29/52/70 Bus. 85 to Main Street	Local	2	4
40I	D5	2040		\$9,163	MLK Dr./ Jacobs St.	No	No	N/A	MLK Dr./Jacobs St. Extension/Business I-85 Interchange.	Major Collector	0	2
40J	D5	2040		\$35,494	West Lexington Avenue	No	Yes	5.5	Widen to a three lane facility with sidewalks and bike lanes on both sides from Kensington Drive to NC 109	Minor Arterial	2	3
40K	D6-E6	2040	FS-0707B	\$73,900	North-South Connector	Yes	No	7.0	Widen existing NC66, Squire Davis Road, and Sandy Ridge Road to a multi-lane facility.	Minor Arterial	2	4
40L	D6-E6	2040	U-3615A	\$21,200	Skeet Club Road Widening	No	No	2.5	Widen to a multi-lane facility from Johnson Street to Main Street.	Minor Arterial	2	4
40M	E5	2040	U-3432	\$18,400	Surrett Dr	No	No	1.4	Surrett Drive (SR 1216), from Eden Terrace to Market Center Drive. Widen to multi-lanes	Minor Arterial	2	4

40N	E5	2040	U-3400B	\$2,662	Archdale Rd. Widening	No	No	0.3	Widen to a multi-lane facility from the Randolph County line to Main Street	Minor Arterial	2	4
40O	E5	2040	U-3433	\$18,800	E. Fairfield Rd (NC 610)	No	No	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	2	4
40P	E5	2040		\$7,309	NC 62	No	No	4.5	NC 62 from US 311 to Trinity Rd. Widen to 3 Lanes.	Minor Arterial	2	4
40Q	E5	2040	FS-1008A	\$31,853	Main Street I-85 Interchange	No	Yes 93.127	N/A	Replace the existing interchange at Main Street and I-85 in Archdale with one that more effectively processes traffic.	Minor Arterial	4	4
40R	E5-F5	2040		\$30,000	Kivett Drive (SR 1113)	No	No	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	2	4
40S	E6	2040	Bond	\$37,654	Piedmont Parkway	No	No	2.9	From Eastchester Drive to Johnson St/Sandy Ridge Rd.	Future Minor Arterial	0	4
40T	E6	2040	U-4015	\$8,150	Gallimore Dairy Road	No	No	1.1	Widen Gallimore Dairy Road from 2 lanes to a multi-lane facility	Minor Arterial	2	4
40U	E6	2040		\$31,903	Penny Road Extension	No	No	1.4	Extend Penny Road from Willard Dairy Road to Gallimore Dairy Road	Minor Arterial	0	4
40V	F5	2040		\$32,000	Kivett Drive/ I-85	Yes	No	N/A	New Interchange at Interstate 85 and Kivett Drive	Minor Arterial	2	2

TABLE 4: 2040 PROJECTS

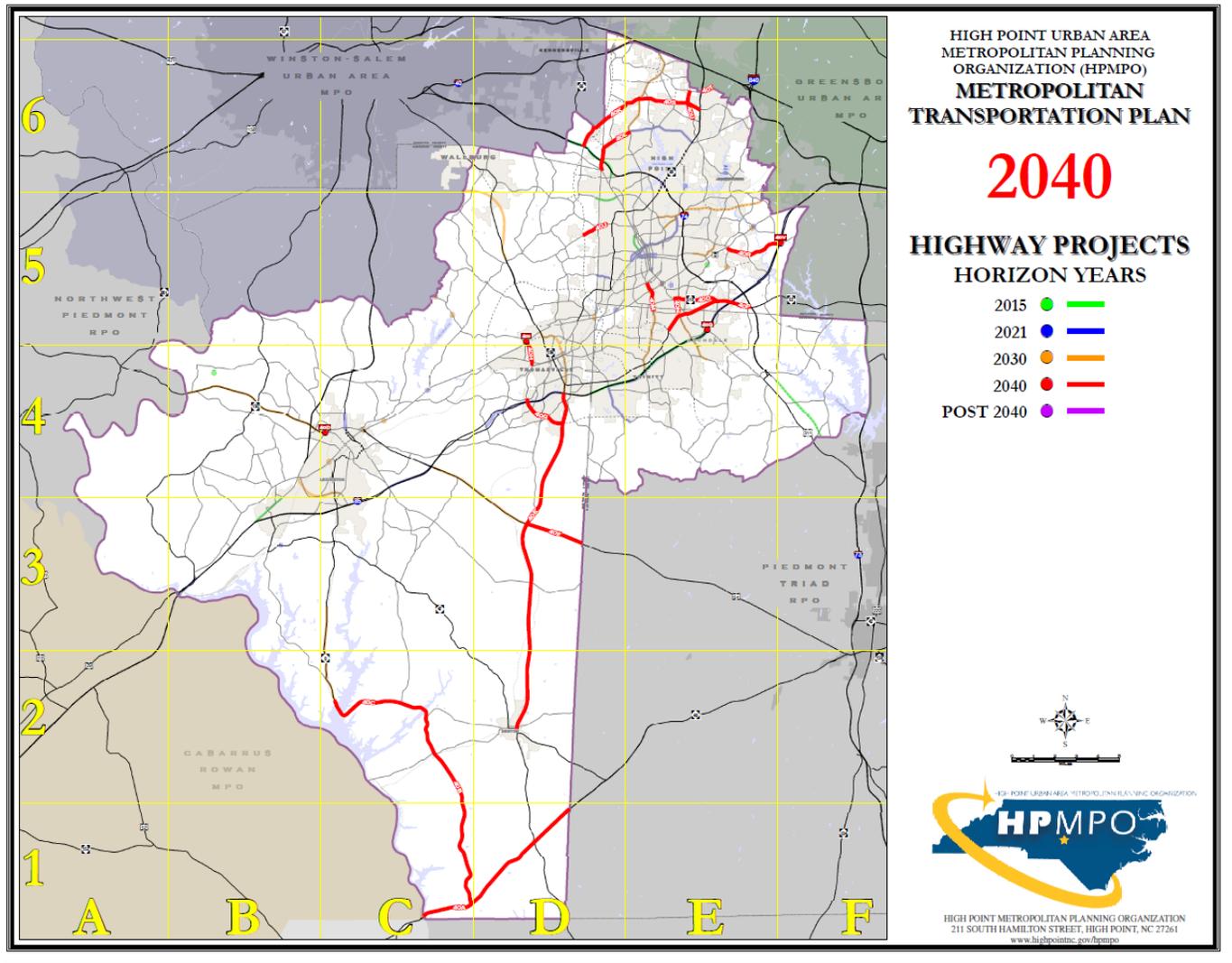


FIGURE 4-8 2040 PROJECTS

## 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, 2040, and are not financially or fiscally constrained.

The notable illustrative projects include:

- The construction of the Westside Thoroughfare from I-85 to I-74(US 311),
- The widening of NC109 south of NC47,
- The widening of Turner Street/Liberty Drive from National Highway to Cloniger Street,
- The widening of W. Lexington Avenue from Westchester Drive to the Westside Thoroughfare.

MTP ID #	Map Page	Horizon Year	STIP Number	Cost Est. (000)	Project Name	Region. Sig	Exempt	Length (miles)	Project Description	Functional Class	Existing Cross-section	Prop Cross-section
PY-A	B4-B5	PY		\$92,491	NC 150	No	No	7.8	SR 1493 (Frye Bridge Rd/Welcome Arcadia Rd) to US 64. Widen to Multi-Lanes.	Other Principal Arterial	2	4
PY-B	D1-D2	PY		\$22,230	NC 109	No	No	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	2	4
PY-C	D4	PY		\$2,284	Holly Hill Rd Connector	No	No	0.4	Holly Hill Rd Connector from West Holly Hill Rd to Baptist Children's Home Rd. New two lane facility.	Future Minor Arterial	0	2
PY-D	D4-D5	PY	U-4420	\$36,700	Turner St/ Liberty Drive	No	No	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	2	4
PY-E	D5-D6	PY	U-2537	\$329,682	Westside Thoroughfare	Yes	No	12.1	Construct a new multi-lane facility from Interstate 85 Business to US 311 Bypass.	Freeway/ Expressway	0	4
PY-F	D5-D6	PY		\$69,429	Wallburg-High Point Rd	No	No	3.7	Widen Wallburg/High Point Road to a multi-lane facility from NC 109 to Lexington Avenue.	Minor Arterial	2	4
PY-G	D6	PY		\$12,274	Hedgecock Rd Extension	No	No	1.4	A new multi-lane facility from Old Plank Rd to the proposed North South Connector	Future Minor Arterial	0	4
PY-H	E4-E5	PY		\$18,525	Uwharrie Rd Extension	No	No	1	From Mendenhall Rd to Surrett Drive. Multi-lane extension on new location.	Major Collector	0	2
PY-I	E5	PY		\$6,000	Eden Terrace Rd.	No	No	1.2	Eden Terrace Rd. (SR 1592) from Archdale Rd to Surrett Dr. Widen to a multi-lane facility.	Local	2	4
PY-J	D5-E5	PY			Main Street Modernization	No	No	5.6	Modernize Main Street in High Point to a complete streets concept between I-74 and Us 29/70.	Minor Arterial	5	4

TABLE 5: ILLUSTRATIVE PROJECTS



## Works Cited

Robert Puentes, A. T. (2008). *The Road. . .Less Traveled*. Metropolitan Infrastructure Initiative. Washington, DC: Brookings Press.

Tim Lomax, David Schrank & Bill Eisele. (2011, September). *2011 Annual Urban Mobility Report*. Retrieved May 2012, from Texas A&M Transportation Institute: <http://mobility.tamu.edu/ums/>