

**Appendix E: VMT and Speeds**

Based on 2008 8-hour Non-attainment Boundary

2050: 2050 MTP		24 Hour		AM Peak		Midday		PM Peak		Night	
Cabarrus (NA part)	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural Principal Art.	10.1	193,693	41.5	43,590	39.9	60,525	42.7	48,678	37.6	40,901	47.5
Rural Minor Art.	20.1	369,180	40.7	82,008	40.5	118,582	41.7	92,035	34.5	76,555	49.5
Rural Major Collect.	49.9	673,466	33.0	153,657	32.4	220,549	34.1	170,960	27.4	128,300	43.7
Rural Minor Collect.	50.3	585,442	32.4	135,149	32.2	189,062	33.9	161,300	27.3	99,931	41.5
Rural Local		1,329,141	26.4	283,841	26.5	471,579	26.6	332,854	25.0	240,868	27.8
Urban Interstate	28.2	2,256,477	52.1	537,450	48.1	726,469	60.7	557,595	41.2	434,963	66.1
Urban Frwy/Exprwy	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Urban Principal Art.	37.5	1,257,696	22.6	265,200	21.4	433,394	22.5	295,202	17.3	263,900	37.7
Urban Minor Art.	70.1	1,461,304	21.9	310,336	21.3	514,510	21.8	356,941	17.4	279,517	35.6
Urban Collector	102.1	1,169,601	21.1	251,261	20.5	417,582	20.5	290,443	17.3	210,315	34.3
Urban Local		1,852,514	21.5	386,803	21.7	689,348	21.2	455,568	19.9	320,795	24.8
Urban HOV	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural	130.3	3,150,923	30.7	698,244	30.7	1,060,297	31.1	805,826	27.4	586,556	35.7
Urban	237.9	7,997,592	26.0	1,751,051	25.7	2,781,302	25.8	1,955,749	21.5	1,509,490	37.3
County	368.1	11,148,515	27.2	2,449,295	26.9	3,841,600	27.1	2,761,575	23.0	2,096,046	36.8

2050: 2050 MTP		24 Hour		AM Peak		Midday		PM Peak		Night	
Gaston (NA part)	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	4.6	153,450	61.4	40,303	61.3	45,616	61.4	38,663	61.3	28,868	61.4
Rural Principal Art.	15.0	329,603	62.5	84,284	62.4	98,445	62.6	82,177	62.3	64,697	62.7
Rural Minor Art.	16.5	290,373	37.6	67,059	31.1	93,049	44.0	69,861	29.1	60,405	57.2
Rural Major Collect.	37.7	372,595	40.5	87,714	37.8	120,075	43.8	94,684	35.6	70,121	47.4
Rural Minor Collect.	52.0	247,912	42.2	66,065	40.7	72,999	45.0	74,197	39.7	34,651	46.0
Rural Local		279,971	29.5	65,405	30.2	93,845	29.1	73,666	30.1	47,054	28.7
Urban Interstate	34.2	2,314,372	53.9	567,587	50.1	704,186	59.9	578,318	47.3	464,280	61.1
Urban Frwy/Exprwy	4.6	121,452	40.9	26,957	36.7	38,220	42.4	26,922	36.2	29,353	49.6
Urban Principal Art.	88.1	1,546,314	29.6	354,335	28.8	533,045	30.4	390,111	26.3	268,823	35.9
Urban Minor Art.	126.5	1,285,821	30.5	292,347	29.6	438,811	31.2	326,831	27.3	227,832	36.8
Urban Collector	70.6	391,241	26.4	85,974	25.7	133,168	25.9	98,324	23.9	73,775	33.1
Urban Local		1,241,261	24.1	256,863	24.4	465,211	23.6	294,643	24.1	224,544	24.5
Urban HOV	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural	125.9	1,673,903	41.8	410,830	40.0	524,029	43.6	433,248	38.3	305,796	47.6
Urban	324.0	6,900,460	33.4	1,584,063	32.9	2,312,640	33.5	1,715,149	30.6	1,288,608	38.7
County	449.9	8,574,363	34.8	1,994,893	34.2	2,836,669	35.0	2,148,398	31.8	1,594,404	40.2

2050: 2050 MTP		24 Hour		AM Peak		Midday		PM Peak		Night	
Iredell (NA part)	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	6.1	294,548	42.7	65,955	33.3	95,602	54.6	67,392	31.0	65,598	66.0
Rural Principal Art.	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural Minor Art.	5.0	219,726	30.4	48,739	24.5	75,501	35.9	51,209	23.6	44,278	45.7
Rural Major Collect.	12.4	185,440	23.2	39,999	22.9	63,461	21.0	43,919	19.6	38,060	39.6
Rural Minor Collect.	20.6	285,976	27.1	69,337	25.1	95,720	28.4	74,857	23.1	46,062	38.7
Rural Local		715,548	27.4	154,187	27.5	254,844	27.2	177,714	25.9	128,803	30.0
Urban Interstate	23.0	766,862	50.4	164,784	41.9	244,642	57.2	166,273	40.6	191,163	65.3
Urban Frwy/Exprwy	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Urban Principal Art.	6.7	201,426	25.0	44,222	23.7	67,919	26.0	48,084	19.9	41,201	35.4
Urban Minor Art.	17.5	232,697	25.1	50,721	23.9	79,035	25.9	56,190	20.9	46,751	33.3
Urban Collector	21.8	354,658	26.4	77,159	25.6	124,379	27.2	86,559	21.5	66,562	36.7
Urban Local		661,115	23.1	136,548	23.0	245,845	22.9	157,528	21.7	121,193	26.0
Urban HOV	6.2	143,847	61.3	38,764	63.7	58,488	63.7	43,925	56.2	2,669	67.1
Rural	44.2	1,701,238	28.9	378,217	26.9	585,128	29.8	415,091	24.9	322,801	38.4
Urban	75.2	2,360,604	30.7	512,198	29.3	820,307	31.4	558,559	26.3	469,539	39.1
County	119.4	4,061,841	29.9	890,415	28.2	1,405,436	30.7	973,651	25.7	792,340	38.8

**2050: 2050 MTP**

		24 Hour		AM Peak		Midday		PM Peak		Night	
Lincoln (NA part)	Miles	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural Principal Art.	7.2	156,478	51.0	40,711	43.6	52,490	54.8	33,642	48.7	29,635	60.5
Rural Minor Art.	38.6	749,947	40.3	169,174	38.4	249,333	40.4	173,022	37.3	158,418	46.7
Rural Major Collect.	13.7	149,852	55.6	36,979	55.2	47,712	55.9	36,913	55.1	28,249	56.0
Rural Minor Collect.	29.6	234,756	37.6	58,756	36.2	77,240	38.4	62,138	35.9	36,622	41.6
Rural Local		1,065,589	28.8	233,155	29.1	380,579	28.3	252,375	28.8	199,480	29.4
Urban Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Urban Frwy/Exprwy	17.4	325,175	66.5	87,517	66.5	101,189	66.5	74,603	66.5	61,866	66.5
Urban Principal Art.	10.9	172,508	43.1	39,831	42.2	57,857	42.3	40,307	42.2	34,513	46.8
Urban Minor Art.	30.8	383,735	39.4	84,595	37.3	132,970	39.6	86,254	37.3	79,916	44.5
Urban Collector	17.4	96,397	36.2	23,594	33.9	31,651	36.9	24,292	35.6	16,860	39.7
Urban Local		192,389	26.2	40,507	27.0	71,624	25.1	43,332	26.8	36,926	26.9
Urban HOV	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural	89.1	2,356,623	34.8	538,775	34.5	807,354	34.4	558,090	33.8	452,403	37.6
Urban	76.4	1,170,205	40.9	276,044	41.1	395,292	39.7	268,788	40.2	230,080	43.7
County	165.5	3,526,827	36.6	814,819	36.4	1,202,647	36.0	826,878	35.7	682,483	39.4

**2050: 2050 MTP**

		24 Hour		AM Peak		Midday		PM Peak		Night	
Mecklenburg	Miles	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural Principal Art.	7.3	314,374	35.3	69,951	33.0	105,536	38.4	76,130	28.5	62,757	46.3
Rural Minor Art.	3.8	129,234	26.7	27,071	23.1	44,453	28.2	29,525	21.0	28,186	41.4
Rural Major Collect.	5.8	120,567	26.1	26,629	25.7	42,089	26.9	30,491	20.5	21,357	40.5
Rural Minor Collect.	16.2	368,488	20.0	80,979	19.8	130,195	19.3	93,710	16.4	63,605	34.0
Rural Local		1,184,087	24.0	251,039	23.4	419,356	24.0	294,783	22.2	218,908	27.5
Urban Interstate	158.3	10,633,412	38.9	2,293,785	36.2	3,469,854	41.2	2,445,562	29.5	2,424,212	56.0
Urban Frwy/Exprwy	145.0	10,057,440	37.3	2,169,786	34.1	3,417,943	41.6	2,338,715	26.1	2,130,995	61.9
Urban Principal Art.	198.8	7,964,567	15.7	1,701,944	15.4	2,814,534	15.5	1,964,843	11.8	1,483,245	30.6
Urban Minor Art.	236.8	7,288,460	14.8	1,578,852	14.5	2,624,966	14.9	1,858,244	11.2	1,226,399	29.3
Urban Collector	349.1	6,203,558	14.5	1,318,823	13.8	2,203,795	14.3	1,513,300	11.2	1,167,640	27.8
Urban Local		12,209,743	17.3	2,578,968	17.4	4,580,611	16.9	3,096,564	15.3	1,953,600	23.2
Urban HOV	67.6	3,082,857	39.3	816,303	39.7	1,163,408	46.9	908,766	30.5	194,380	59.8
Rural	33.1	2,116,750	24.5	455,669	23.8	741,629	24.6	524,639	21.3	394,813	31.9
Urban	1,155.6	57,440,037	20.8	12,458,461	20.4	20,275,111	20.8	14,125,994	16.2	10,580,470	35.6
County	1,188.7	59,556,787	20.9	12,914,130	20.5	21,016,741	20.9	14,650,633	16.3	10,975,283	35.4

**2050: 2050 MTP**

		24 Hour		AM Peak		Midday		PM Peak		Night	
Rowan (NA part)	Miles	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural Principal Art.	17.3	204,930	55.1	51,197	55.2	59,636	54.9	54,613	54.9	39,483	55.5
Rural Minor Art.	10.9	147,117	56.7	32,007	55.3	48,619	57.8	33,242	53.2	33,250	60.4
Rural Major Collect.	59.0	532,788	52.8	141,167	51.8	150,682	54.3	148,723	51.1	92,216	55.1
Rural Minor Collect.	61.8	412,301	48.6	115,516	48.2	115,117	50.4	126,782	46.4	54,886	51.4
Rural Local		526,643	30.1	120,021	30.7	179,855	29.4	131,899	30.6	94,868	30.0
Urban Interstate	38.8	2,116,055	64.6	547,927	63.5	657,953	65.0	492,659	64.9	417,517	65.2
Urban Frwy/Exprwy	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Urban Principal Art.	42.1	496,326	39.5	114,229	38.4	166,065	39.9	119,935	37.6	96,097	43.0
Urban Minor Art.	69.4	652,518	36.0	150,567	35.2	223,080	35.4	158,604	34.5	120,266	40.9
Urban Collector	119.8	685,994	36.0	161,143	35.2	228,186	36.1	176,800	34.9	119,864	39.2
Urban Local		889,512	25.7	191,789	26.0	325,942	25.2	208,679	25.8	163,102	26.3
Urban HOV	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural	148.9	1,823,778	43.0	459,907	43.7	553,908	42.3	495,259	42.8	314,703	43.9
Urban	270.0	4,840,405	41.3	1,165,656	41.9	1,601,226	40.2	1,156,677	40.5	916,846	44.0
County	418.9	6,664,183	41.8	1,625,563	42.4	2,155,135	40.7	1,651,936	41.2	1,231,549	44.0

**2050: 2050 MTP**

		24 Hour		AM Peak		Midday		PM Peak		Night	
Union (NA part)	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural Principal Art.	12.4	255,824	52.8	62,696	51.5	86,695	53.5	55,704	52.3	50,729	53.7
Rural Minor Art.	13.4	128,643	28.7	31,572	27.8	41,348	30.0	35,651	24.3	20,073	39.5
Rural Major Collect.	108.5	1,139,601	34.4	262,215	33.0	374,250	34.4	284,975	30.1	218,161	44.9
Rural Minor Collect.	76.4	495,872	34.0	114,819	33.6	165,276	34.3	132,145	30.0	83,632	43.1
Rural Local		1,961,028	28.0	432,987	28.2	687,062	27.8	499,327	26.5	341,651	31.2
Urban Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Urban Frwy/Exprwy	42.2	1,177,230	55.0	286,411	54.9	377,219	58.0	306,726	48.1	206,874	62.4
Urban Principal Art.	20.7	702,808	29.5	157,819	28.4	248,496	30.7	170,242	24.3	126,251	39.9
Urban Minor Art.	48.1	826,302	21.3	177,698	20.7	288,904	20.7	198,414	17.1	161,287	34.3
Urban Collector	74.7	1,136,445	21.1	246,456	20.4	398,601	20.7	278,158	16.7	213,230	35.5
Urban Local		2,031,570	24.1	428,496	24.0	750,259	24.1	496,224	22.2	356,591	27.4
Urban HOV	0.2	1,188	37.9	414	38.6	180	38.7	594	37.1	0	0.0
Rural	210.7	3,980,969	31.3	904,289	31.1	1,354,632	31.2	1,007,802	28.6	714,246	37.2
Urban	186.0	5,875,543	26.4	1,297,293	26.3	2,063,659	26.2	1,450,358	22.6	1,064,233	35.2
County	396.7	9,856,512	28.2	2,201,582	28.1	3,418,291	27.9	2,458,160	24.7	1,778,479	36.0

**2050: 2050 MTP**

		24 Hour		AM Peak		Midday		PM Peak		Night	
NC NA	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	10.8	447,997		106,258		141,219		106,055		94,465	
Rural Principal Art.	69.3	1,454,901		352,430		463,327		350,943		288,201	
Rural Minor Art.	108.3	2,034,222		457,629		670,884		484,545		421,164	
Rural Major Collect.	287.0	3,174,309		748,360		1,018,819		810,666		596,464	
Rural Minor Collect.	306.8	2,630,746		640,620		845,608		725,128		419,390	
Rural Local	0.0	7,062,006		1,540,634		2,487,121		1,762,618		1,271,632	
Urban Interstate	282.6	18,087,178		4,111,534		5,803,103		4,240,407		3,932,134	
Urban Frwy/Exprwy	209.1	11,681,297		2,570,671		3,934,572		2,746,967		2,429,088	
Urban Principal Art.	404.7	12,341,644		2,677,580		4,321,310		3,028,724		2,314,030	
Urban Minor Art.	599.2	12,130,837		2,645,116		4,302,276		3,041,477		2,141,967	
Urban Collector	755.4	10,037,895		2,164,410		3,537,362		2,467,876		1,868,247	
Urban Local	0.0	19,078,104		4,019,974		7,128,840		4,752,538		3,176,752	
Urban HOV	74.1	3,227,892		855,481		1,222,076		953,285		197,049	
Rural	782.2	16,804,183		3,845,931		5,626,978		4,239,956		3,091,317	
Urban	2,325.1	86,584,846		19,044,766		30,249,539		21,231,274		16,059,267	
County	3,107.3	103,389,029		22,890,697		35,876,517		25,471,230		19,150,584	

Based on 2008 8-hour Non-attainment Boundary

2045: 2050 MTP		24 Hour		AM Peak		Midday		PM Peak		Night	
Cabarrus (NA part)	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural Principal Art.	10.1	175,591	42.4	39,609	41.2	54,763	43.1	44,047	39.1	37,172	47.8
Rural Minor Art.	20.1	350,822	42.7	79,416	42.9	111,320	43.3	88,102	37.2	71,984	50.1
Rural Major Collect.	49.9	632,316	35.4	146,774	34.7	204,020	36.5	163,041	30.0	118,481	44.9
Rural Minor Collect.	50.3	516,861	34.6	120,025	34.5	162,374	35.6	145,396	30.5	89,066	42.0
Rural Local		1,154,318	26.8	247,975	27.1	408,054	26.9	290,476	25.8	207,813	27.8
Urban Interstate	28.2	2,166,517	54.8	525,088	50.7	683,796	63.1	545,628	45.1	412,006	66.2
Urban Frwy/Exprwy	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Urban Principal Art.	37.5	1,192,953	25.0	253,793	23.7	410,043	25.2	280,114	19.5	249,003	38.8
Urban Minor Art.	70.1	1,366,964	23.8	291,949	23.1	479,234	23.9	333,082	19.1	262,700	36.5
Urban Collector	102.1	1,083,067	22.7	233,048	21.9	385,295	22.3	270,467	18.9	194,257	35.3
Urban Local		1,700,660	22.1	355,465	22.3	631,369	21.8	418,802	20.9	295,024	24.8
Urban HOV	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural	130.3	2,829,907	32.1	633,798	32.2	940,531	32.3	731,062	29.3	524,517	36.3
Urban	237.9	7,510,162	27.9	1,659,343	27.5	2,589,736	27.7	1,848,093	23.6	1,412,989	37.9
County	368.1	10,340,069	28.9	2,293,141	28.7	3,530,267	28.8	2,579,155	25.0	1,937,506	37.5

2045: 2050 MTP		24 Hour		AM Peak		Midday		PM Peak		Night	
Gaston (NA part)	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	4.6	149,528	61.4	40,347	61.3	43,523	61.4	38,128	61.3	27,531	61.4
Rural Principal Art.	15.0	314,491	62.5	81,056	62.4	93,824	62.7	78,932	62.4	60,680	62.7
Rural Minor Art.	16.5	279,620	38.7	65,232	32.7	89,433	46.1	68,108	29.7	56,846	57.6
Rural Major Collect.	37.7	356,788	41.1	85,343	38.2	112,053	44.4	92,112	36.7	67,279	47.5
Rural Minor Collect.	52.0	250,564	42.5	69,121	41.1	71,748	45.2	75,308	40.1	34,386	46.0
Rural Local		267,972	29.5	62,834	30.3	89,788	28.9	69,889	30.0	45,461	28.6
Urban Interstate	34.2	2,282,209	54.2	570,883	50.3	675,619	60.4	581,689	47.8	454,018	61.1
Urban Frwy/Exprwy	4.6	119,283	41.4	26,638	37.3	37,537	42.9	26,518	36.5	28,590	50.5
Urban Principal Art.	88.1	1,499,732	30.3	345,750	29.5	513,147	31.0	380,374	27.0	260,461	36.2
Urban Minor Art.	126.5	1,239,258	31.2	282,634	30.2	420,513	32.1	317,877	28.0	218,235	37.1
Urban Collector	70.6	378,364	26.5	83,491	25.7	128,688	26.1	95,236	23.9	70,949	33.0
Urban Local		1,198,982	24.1	247,698	24.4	448,890	23.6	284,719	24.2	217,676	24.5
Urban HOV	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural	125.9	1,618,963	42.2	403,933	40.6	500,370	44.0	422,477	38.8	292,183	47.4
Urban	324.0	6,717,829	33.9	1,557,094	33.5	2,224,394	33.9	1,686,413	31.2	1,249,928	38.9
County	449.9	8,336,792	35.2	1,961,027	34.7	2,724,764	35.4	2,108,889	32.5	1,542,111	40.3

2045: 2050 MTP		24 Hour		AM Peak		Midday		PM Peak		Night	
Iredell (NA part)	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	6.1	283,590	45.6	65,720	36.2	91,168	59.0	66,898	34.2	59,804	66.3
Rural Principal Art.	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural Minor Art.	5.0	217,883	31.5	48,682	25.4	74,779	37.3	51,195	24.7	43,227	46.7
Rural Major Collect.	12.4	177,905	26.7	38,552	25.0	60,848	25.6	41,977	22.5	36,528	41.7
Rural Minor Collect.	20.6	262,594	26.8	64,307	24.7	84,106	27.7	69,011	22.9	45,170	38.9
Rural Local		660,685	27.7	142,029	28.1	235,893	27.0	163,807	26.8	118,954	29.9
Urban Interstate	23.0	748,327	52.4	164,426	44.2	237,445	59.4	165,141	43.4	181,316	65.6
Urban Frwy/Exprwy	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Urban Principal Art.	6.7	198,926	26.1	43,764	24.4	67,554	27.1	47,271	21.1	40,337	36.6
Urban Minor Art.	17.5	221,153	26.8	48,441	25.5	74,316	27.9	53,396	22.5	45,001	34.1
Urban Collector	21.8	340,680	26.9	74,849	25.9	119,176	28.0	83,947	21.9	62,707	37.1
Urban Local		621,820	23.4	129,738	23.4	230,455	23.2	149,274	22.1	112,353	25.9
Urban HOV	6.2	134,961	63.1	37,435	64.7	52,648	65.9	42,628	58.6	2,249	67.2
Rural	44.2	1,602,657	30.0	359,290	27.8	546,794	30.9	392,889	26.2	303,683	38.7
Urban	75.2	2,265,868	31.7	498,653	30.3	781,594	32.4	541,657	27.5	443,963	39.5
County	119.4	3,868,524	30.9	857,944	29.2	1,328,388	31.8	934,546	26.9	747,646	39.2

2045: 2050 MTP		24 Hour		AM Peak		Midday		PM Peak		Night	
Lincoln (NA part)	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural Principal Art.	7.2	148,135	43.9	38,790	34.8	49,018	47.1	32,112	43.0	28,216	59.3
Rural Minor Art.	38.6	696,266	41.4	157,389	39.9	230,012	41.1	160,666	38.7	148,199	47.3
Rural Major Collect.	10.9	83,345	55.1	20,867	55.1	26,604	55.0	19,726	55.3	16,148	55.1
Rural Minor Collect.	29.6	229,056	38.4	58,843	37.4	74,445	38.9	61,462	37.0	34,306	41.7
Rural Local		1,013,508	29.2	225,317	29.7	358,540	28.6	241,822	29.4	187,830	29.6
Urban Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Urban Frwy/Exprwy	17.4	307,833	66.5	82,116	66.5	96,368	66.5	70,935	66.5	58,413	66.5
Urban Principal Art.	10.9	168,720	38.3	37,690	35.8	56,601	38.5	38,823	36.0	35,606	44.2
Urban Minor Art.	30.8	377,377	38.2	83,717	36.2	129,619	38.2	86,084	36.2	77,958	43.6
Urban Collector	16.6	78,486	35.0	19,647	32.8	26,205	36.0	19,692	34.3	12,941	38.0
Urban Local		189,665	25.9	40,244	26.6	70,388	24.9	42,830	26.5	36,203	26.7
Urban HOV	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural	86.2	2,170,310	34.8	501,205	34.3	738,618	34.3	515,787	34.1	414,699	37.4
Urban	75.7	1,122,081	39.4	263,414	39.3	379,181	38.4	258,363	38.5	221,122	42.8
County	161.9	3,292,390	36.2	764,620	35.9	1,117,799	35.6	774,151	35.4	635,821	39.1

**2045: 2050 MTP**

		24 Hour		AM Peak		Midday		PM Peak		Night	
Mecklenburg	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural Principal Art.	7.3	288,591	37.3	65,096	34.9	95,185	40.3	70,773	31.1	57,536	46.4
Rural Minor Art.	3.8	125,450	30.4	26,863	26.4	43,259	33.0	28,703	23.3	26,625	46.3
Rural Major Collect.	5.8	105,876	28.4	23,516	27.7	36,788	30.1	26,723	22.2	18,849	42.3
Rural Minor Collect.	16.2	343,381	22.8	76,105	22.8	120,698	22.4	87,867	18.6	58,712	36.6
Rural Local		980,801	23.8	210,688	23.2	346,000	24.0	247,881	22.2	176,231	27.3
Urban Interstate	157.7	10,536,099	40.0	2,311,350	36.9	3,411,071	43.2	2,459,511	30.6	2,354,167	56.9
Urban Frwy/Exprwy	145.0	9,798,866	39.6	2,150,177	36.2	3,302,763	45.4	2,313,887	28.1	2,032,039	62.5
Urban Principal Art.	198.8	7,517,878	16.9	1,617,727	16.4	2,639,714	17.0	1,858,188	12.8	1,402,249	31.5
Urban Minor Art.	234.5	6,744,949	15.9	1,469,070	15.4	2,412,778	16.2	1,720,878	12.1	1,142,223	29.9
Urban Collector	351.0	5,959,817	15.6	1,276,814	14.7	2,105,852	15.5	1,463,889	12.1	1,113,261	29.0
Urban Local		11,528,935	18.1	2,444,101	18.2	4,307,340	17.8	2,930,316	16.2	1,847,178	23.6
Urban HOV	65.2	2,703,371	45.5	730,954	46.6	990,406	52.7	825,237	37.0	156,774	60.6
Rural	33.1	1,844,099	25.7	402,268	24.9	641,931	26.0	461,947	22.4	337,953	32.7
Urban	1,152.2	54,789,916	22.3	12,000,193	21.7	19,169,925	22.5	13,571,906	17.5	10,047,892	36.4
County	1,185.3	56,634,015	22.4	12,402,461	21.8	19,811,856	22.6	14,033,853	17.6	10,385,845	36.3

**2045: 2050 MTP**

		24 Hour		AM Peak		Midday		PM Peak		Night	
Rowan (NA part)	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural Principal Art.	17.3	189,856	55.3	46,498	55.4	56,985	55.0	49,387	55.3	36,987	55.6
Rural Minor Art.	10.9	138,538	57.8	30,020	57.0	46,099	58.6	31,101	54.8	31,317	60.4
Rural Major Collect.	59.0	507,003	54.0	131,851	53.3	142,718	54.9	141,269	52.6	91,165	55.8
Rural Minor Collect.	61.8	382,965	49.4	108,202	48.9	104,283	50.7	117,924	47.8	52,556	51.5
Rural Local		492,005	30.0	111,067	30.7	168,128	29.2	122,762	30.6	90,048	29.9
Urban Interstate	38.8	2,023,021	64.8	527,247	64.1	626,909	65.0	478,299	65.0	390,566	65.2
Urban Frwy/Exprwy	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Urban Principal Art.	42.1	481,302	39.9	110,254	38.9	161,099	40.2	116,225	38.1	93,724	43.2
Urban Minor Art.	61.7	603,229	35.9	137,671	35.0	207,138	35.3	145,345	34.3	113,075	40.7
Urban Collector	119.9	651,397	36.3	154,719	35.6	214,176	36.3	168,048	35.2	114,454	39.2
Urban Local		849,777	25.7	183,144	26.0	309,653	25.2	201,186	25.9	155,794	26.3
Urban HOV	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural	148.9	1,710,368	43.4	427,638	44.2	518,213	42.4	462,443	43.5	302,073	44.1
Urban	262.5	4,608,726	41.5	1,113,034	42.2	1,518,974	40.3	1,109,104	40.8	867,614	43.9
County	411.4	6,319,094	42.0	1,540,672	42.7	2,037,187	40.8	1,571,548	41.6	1,169,687	43.9

**2045: 2050 MTP**

		24 Hour		AM Peak		Midday		PM Peak		Night	
Union (NA part)	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural Principal Art.	12.4	244,233	53.1	60,134	52.1	82,844	53.7	52,525	52.7	48,729	53.7
Rural Minor Art.	13.4	110,425	29.6	27,576	28.8	32,733	30.3	32,275	25.9	17,841	40.2
Rural Major Collect.	108.5	1,049,764	35.6	241,145	34.1	345,282	35.8	263,516	31.4	199,821	45.4
Rural Minor Collect.	76.4	443,994	34.7	104,898	34.4	145,254	34.9	118,465	30.9	75,377	43.3
Rural Local		1,772,756	28.5	394,884	28.7	616,981	28.2	450,913	27.0	309,979	31.4
Urban Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Urban Frwy/Exprwy	42.2	1,117,498	55.8	274,822	55.8	352,945	58.2	293,762	49.9	195,969	62.3
Urban Principal Art.	20.7	670,436	29.5	150,847	28.4	237,139	30.4	162,401	24.4	120,050	40.3
Urban Minor Art.	48.1	738,935	21.1	159,431	20.3	256,007	20.5	176,913	17.0	146,585	34.1
Urban Collector	74.7	1,092,667	22.2	239,293	21.3	379,947	22.1	268,925	17.7	204,501	36.4
Urban Local		1,905,487	24.5	404,600	24.4	699,529	24.6	468,082	22.7	333,275	27.5
Urban HOV	0.2	981	38.4	295	38.7	148	38.7	538	38.1	0	0.0
Rural	210.7	3,621,172	32.1	828,636	31.9	1,223,095	31.9	917,694	29.5	651,747	37.5
Urban	186.0	5,526,003	27.0	1,229,288	26.8	1,925,716	26.7	1,370,620	23.3	1,000,380	35.5
County	396.7	9,147,176	28.8	2,057,924	28.6	3,148,810	28.5	2,288,314	25.4	1,652,127	36.3

**2045: 2050 MTP**

		24 Hour		AM Peak		Midday		PM Peak		Night	
NC NA	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	10.8	433,118		106,067		134,691		105,026		87,335	
Rural Principal Art.	69.3	1,360,898		331,183		432,619		327,776		269,320	
Rural Minor Art.	108.3	1,919,002		435,178		627,636		460,149		396,040	
Rural Major Collect.	284.1	2,912,997		688,047		928,313		748,365		548,272	
Rural Minor Collect.	306.8	2,429,416		601,500		762,909		675,433		389,574	
Rural Local	0.0	6,342,045		1,394,795		2,223,384		1,587,551		1,136,316	
Urban Interstate	282.0	17,756,173		4,098,994		5,634,839		4,230,268		3,792,073	
Urban Frwy/Exprwy	209.1	11,343,480		2,533,753		3,789,614		2,705,102		2,315,011	
Urban Principal Art.	404.7	11,729,948		2,559,826		4,085,297		2,883,396		2,201,429	
Urban Minor Art.	589.3	11,291,867		2,472,912		3,979,605		2,833,574		2,005,776	
Urban Collector	756.7	9,584,478		2,081,862		3,359,340		2,370,205		1,773,072	
Urban Local	0.0	17,995,326		3,804,990		6,697,624		4,495,209		2,997,503	
Urban HOV	71.7	2,839,312		768,684		1,043,202		868,403		159,023	
Rural	779.3	15,397,476		3,556,769		5,109,551		3,904,300		2,826,856	
Urban	2,313.5	82,540,585		18,321,020		28,589,521		20,386,156		15,243,888	
County	3,092.8	97,938,061		21,877,789		33,699,072		24,290,456		18,070,744	

Based on 2008 8-hour Non-attainment Boundary

2035: 2050 MTP		24 Hour		AM Peak		Midday		PM Peak		Night	
Cabarrus (NA part)	Miles	VTAssn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural Principal Art.	10.1	147,084	42.9	33,501	42.4	44,907	42.6	36,195	39.8	32,481	48.1
Rural Minor Art.	20.1	326,282	48.6	76,284	48.9	102,334	49.0	83,041	44.6	64,623	53.4
Rural Major Collect.	49.9	517,528	34.7	121,059	34.0	163,131	35.4	136,235	30.1	97,104	43.9
Rural Minor Collect.	50.3	443,674	37.5	104,834	37.4	136,953	38.6	129,436	33.8	72,450	43.9
Rural Local		923,674	27.8	200,327	28.2	319,668	27.6	238,616	27.5	165,063	28.2
Urban Interstate	28.2	2,009,670	58.1	503,945	54.4	605,792	65.1	523,381	50.7	376,553	66.4
Urban Frwy/Exprwy	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Urban Principal Art.	37.5	988,219	26.2	210,051	24.9	336,556	26.4	229,266	20.8	212,345	38.8
Urban Minor Art.	70.1	1,140,479	26.0	246,377	25.3	395,002	26.2	280,942	21.3	218,158	37.2
Urban Collector	102.1	985,480	24.7	213,953	23.6	352,662	24.8	247,435	20.6	171,430	36.6
Urban Local		1,448,011	23.0	302,904	23.2	536,891	22.5	357,032	22.3	251,184	25.1
Urban HOV	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural	130.3	2,358,242	33.6	536,005	33.9	766,993	33.5	623,523	31.5	431,721	37.2
Urban	237.9	6,571,859	30.0	1,477,230	29.8	2,226,902	29.6	1,638,056	26.2	1,229,671	38.8
County	368.1	8,930,101	30.9	2,013,236	30.8	2,993,895	30.5	2,261,579	27.4	1,661,391	38.4

2035: 2050 MTP		24 Hour		AM Peak		Midday		PM Peak		Night	
Gaston (NA part)	Miles	VTAssn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	4.6	137,703	61.4	37,950	61.4	38,935	61.4	36,108	61.4	24,709	61.4
Rural Principal Art.	15.0	289,979	62.5	76,669	62.5	83,758	62.6	74,833	62.4	54,719	62.6
Rural Minor Art.	15.7	251,687	47.2	59,278	42.9	80,963	51.5	61,469	40.3	49,977	58.5
Rural Major Collect.	37.7	328,151	43.3	78,967	40.5	99,252	46.2	87,084	39.6	62,848	48.8
Rural Minor Collect.	52.0	215,678	43.8	58,860	42.6	61,292	46.2	64,394	41.7	31,132	46.5
Rural Local		241,259	29.0	55,245	29.7	82,486	28.6	61,689	29.5	41,839	28.2
Urban Interstate	34.2	2,169,910	55.6	560,435	52.3	612,579	60.9	570,502	50.6	426,394	61.1
Urban Frwy/Exprwy	4.6	114,026	42.4	25,972	37.9	35,501	44.0	25,807	37.8	26,746	52.2
Urban Principal Art.	85.5	1,358,634	31.0	314,198	30.2	463,975	31.6	345,154	28.0	235,307	36.2
Urban Minor Art.	123.1	1,167,962	32.0	268,753	30.9	392,625	33.2	300,294	28.7	206,290	37.4
Urban Collector	69.9	333,665	27.1	73,444	26.0	113,889	27.0	83,391	24.7	62,940	33.4
Urban Local		1,121,038	24.1	231,655	24.5	419,632	23.7	264,934	24.2	204,817	24.5
Urban HOV	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural	125.1	1,464,456	44.3	366,970	43.6	446,686	45.1	385,577	42.2	265,223	47.6
Urban	317.3	6,265,235	34.6	1,474,456	34.4	2,038,202	34.4	1,590,083	32.4	1,162,493	39.1
County	442.3	7,729,690	36.1	1,841,426	36.0	2,484,888	35.9	1,975,660	33.9	1,427,716	40.4

2035: 2050 MTP		24 Hour		AM Peak		Midday		PM Peak		Night	
Iredell (NA part)	Miles	VTAssn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	6.1	268,670	50.2	64,899	41.4	83,923	63.2	65,614	40.1	54,234	66.5
Rural Principal Art.	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural Minor Art.	5.0	206,178	33.5	46,941	27.3	70,203	39.4	49,035	27.2	40,000	46.8
Rural Major Collect.	12.4	159,307	32.2	35,125	29.5	54,588	33.0	37,607	27.2	31,987	44.2
Rural Minor Collect.	20.6	234,498	27.6	58,367	26.3	72,921	27.6	62,655	24.2	40,555	38.9
Rural Local		575,717	28.1	125,282	28.6	203,811	27.3	142,769	27.6	103,855	29.9
Urban Interstate	23.0	724,785	55.9	163,243	48.6	227,777	62.0	164,823	48.6	168,942	66.1
Urban Frwy/Exprwy	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Urban Principal Art.	6.7	178,824	26.9	38,866	25.0	60,629	27.8	41,677	21.9	37,652	37.8
Urban Minor Art.	17.5	199,224	29.2	44,113	27.8	66,521	30.1	48,020	25.5	40,570	35.5
Urban Collector	21.8	316,115	29.1	69,808	27.9	109,827	30.5	77,841	23.9	58,638	38.6
Urban Local		557,684	24.0	116,765	23.9	205,946	23.8	133,762	22.9	101,211	25.9
Urban HOV	6.2	115,575	65.2	34,923	65.6	40,577	67.0	38,667	63.0	1,407	67.2
Rural	44.2	1,444,370	31.8	330,614	29.8	485,446	32.7	357,679	28.4	270,631	39.1
Urban	75.2	2,092,206	33.6	467,719	32.5	711,278	34.0	504,790	29.9	408,419	40.3
County	119.4	3,536,576	32.8	798,333	31.3	1,196,724	33.4	862,470	29.3	679,050	39.8

2035: 2050 MTP		24 Hour		AM Peak		Midday		PM Peak		Night	
Lincoln (NA part)	Miles	VTAssn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural Principal Art.	7.2	135,016	45.6	35,421	36.7	44,419	48.2	29,553	46.0	25,623	59.4
Rural Minor Art.	38.6	632,597	41.3	145,417	39.9	202,002	41.0	149,399	37.8	135,779	48.4
Rural Major Collect.	10.9	76,755	55.1	19,230	55.1	24,863	55.0	18,307	55.2	14,356	55.0
Rural Minor Collect.	29.6	192,232	40.2	51,997	39.5	59,359	40.1	52,484	39.5	28,392	43.7
Rural Local		878,957	29.7	199,474	30.4	306,691	29.1	210,335	29.9	162,457	29.8
Urban Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Urban Frwy/Exprwy	17.4	279,812	66.5	75,415	66.5	85,845	66.5	66,162	66.5	52,390	66.5
Urban Principal Art.	9.3	155,068	39.0	35,602	36.4	51,111	39.7	36,159	36.6	32,197	44.6
Urban Minor Art.	30.9	347,727	33.9	76,329	32.0	119,608	33.5	78,751	30.2	73,039	42.8
Urban Collector	16.2	71,664	35.7	17,975	33.5	23,650	36.6	18,184	35.4	11,856	38.0
Urban Local		185,319	26.3	39,426	26.5	68,714	26.0	41,909	26.4	35,269	26.5
Urban HOV	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural	86.2	1,915,558	35.4	451,540	35.2	637,334	34.8	460,078	34.6	366,606	38.2
Urban	73.9	1,039,591	37.8	244,746	37.5	348,928	37.0	241,166	36.0	204,751	42.2
County	160.1	2,955,149	36.2	696,287	36.0	986,262	35.5	701,244	35.1	571,356	39.6

**2035: 2050 MTP**

		24 Hour		AM Peak		Midday		PM Peak		Night	
Mecklenburg	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural Principal Art.	7.3	204,049	30.8	45,125	26.1	66,330	36.6	49,116	23.4	43,479	44.3
Rural Minor Art.	3.8	107,294	33.2	23,214	29.3	36,593	36.9	24,589	26.2	22,897	45.5
Rural Major Collect.	5.8	91,429	35.1	21,395	33.7	31,203	38.9	24,709	28.7	14,122	45.3
Rural Minor Collect.	16.2	304,662	28.2	68,695	28.1	106,782	28.8	79,172	23.5	50,014	38.9
Rural Local		736,955	25.0	161,157	24.6	255,801	25.3	189,120	23.1	130,876	28.0
Urban Interstate	158.5	10,262,511	42.8	2,340,263	39.4	3,250,153	47.9	2,485,055	33.2	2,187,041	58.6
Urban Frwy/Exprwy	144.6	9,277,310	42.3	2,092,277	38.6	3,081,660	49.4	2,247,610	30.5	1,855,764	63.6
Urban Principal Art.	198.8	6,570,900	18.6	1,431,640	17.8	2,284,663	18.8	1,630,749	14.3	1,223,848	32.0
Urban Minor Art.	233.7	6,133,892	18.3	1,353,903	17.6	2,166,235	19.0	1,568,965	14.2	1,044,790	31.5
Urban Collector	346.2	5,391,932	17.5	1,173,943	16.4	1,890,543	17.7	1,339,736	13.7	987,710	31.0
Urban Local		10,232,769	20.1	2,177,764	20.2	3,794,735	19.8	2,607,865	18.4	1,652,405	24.2
Urban HOV	40.1	1,492,100	56.3	448,716	56.4	475,143	64.8	509,406	49.4	58,835	65.2
Rural	33.1	1,444,389	27.4	319,585	26.3	496,709	28.5	366,707	23.7	261,388	33.7
Urban	1,121.9	49,361,413	24.8	11,018,506	24.0	16,943,131	25.2	12,389,385	19.9	9,010,392	37.7
County	1,155.0	50,805,802	24.9	11,338,091	24.1	17,439,840	25.3	12,756,091	20.0	9,271,780	37.6

**2035: 2050 MTP**

		24 Hour		AM Peak		Midday		PM Peak		Night	
Rowan (NA part)	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural Principal Art.	12.7	122,648	57.8	32,113	57.8	34,563	57.7	33,003	57.8	22,969	57.9
Rural Minor Art.	10.9	134,317	57.9	29,639	57.1	44,599	59.0	30,269	55.1	29,809	60.4
Rural Major Collect.	59.0	456,777	54.7	119,196	54.1	127,721	55.2	126,724	53.5	83,136	56.6
Rural Minor Collect.	61.8	358,724	51.0	100,359	50.9	95,803	52.0	110,943	49.7	51,620	52.6
Rural Local		445,365	29.7	100,547	30.3	152,527	29.0	109,935	30.1	82,356	29.6
Urban Interstate	38.8	1,813,294	65.0	480,354	64.8	549,524	65.0	439,004	65.2	344,412	65.2
Urban Frwy/Exprwy	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Urban Principal Art.	41.4	473,533	40.9	108,877	40.3	158,506	40.8	116,425	39.9	89,725	43.4
Urban Minor Art.	61.7	560,980	36.4	126,278	35.6	192,484	35.8	134,275	34.9	107,943	41.1
Urban Collector	119.3	597,752	36.9	141,987	36.2	194,721	37.0	156,304	35.9	104,740	39.4
Urban Local		786,061	25.9	169,664	26.3	284,775	25.3	186,971	26.1	144,651	26.3
Urban HOV	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural	144.4	1,517,831	43.6	381,854	44.6	455,214	42.3	410,874	43.9	269,890	44.1
Urban	261.3	4,231,619	41.7	1,027,160	42.7	1,380,008	40.3	1,032,980	41.3	791,471	43.6
County	405.7	5,749,450	42.2	1,409,014	43.2	1,835,222	40.8	1,443,853	42.0	1,061,361	43.8

**2035: 2050 MTP**

		24 Hour		AM Peak		Midday		PM Peak		Night	
Union (NA part)	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural Principal Art.	28.4	530,771	60.1	139,094	60.0	161,292	60.0	132,072	60.2	98,313	60.2
Rural Minor Art.	13.4	102,138	34.9	26,815	33.9	27,483	36.4	31,164	31.2	16,676	44.2
Rural Major Collect.	108.5	907,460	40.3	215,247	38.9	291,542	41.5	231,952	36.1	168,719	47.6
Rural Minor Collect.	76.4	356,392	37.0	83,101	36.4	118,359	37.5	92,555	33.2	62,377	44.6
Rural Local		1,438,309	29.9	324,502	30.2	491,484	29.5	370,421	28.8	251,901	31.8
Urban Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Urban Frwy/Exprwy	26.2	626,097	57.3	148,527	57.4	203,230	57.2	160,437	55.1	113,903	60.8
Urban Principal Art.	20.7	592,267	33.6	135,501	32.7	206,888	35.0	146,645	29.0	103,234	41.1
Urban Minor Art.	48.1	659,905	25.0	143,765	24.0	224,110	25.0	159,878	20.5	132,152	36.3
Urban Collector	74.7	949,220	25.9	210,338	24.8	323,462	26.3	236,310	21.2	179,110	37.9
Urban Local		1,645,748	25.7	351,090	25.6	601,599	25.9	404,489	24.4	288,570	27.5
Urban HOV	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural	226.7	3,335,070	36.2	788,760	36.4	1,090,161	36.0	858,165	34.0	597,984	40.2
Urban	169.7	4,473,237	28.8	989,221	28.3	1,559,289	28.9	1,107,759	25.5	816,968	35.1
County	396.5	7,808,307	31.5	1,777,981	31.4	2,649,450	31.5	1,965,924	28.6	1,414,952	37.1

**2035: 2050 MTP**

		24 Hour		AM Peak		Midday		PM Peak		Night	
NC NA	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	10.8	406,372		102,849		122,858		101,722		78,943	
Rural Principal Art.	80.8	1,429,548		361,923		435,269		354,773		277,583	
Rural Minor Art.	107.5	1,760,493		407,589		564,178		428,966		359,760	
Rural Major Collect.	284.1	2,537,407		610,218		792,300		662,619		472,270	
Rural Minor Collect.	306.8	2,105,860		526,214		651,468		591,639		336,539	
Rural Local	0.0	5,240,235		1,166,534		1,812,469		1,322,886		938,346	
Urban Interstate	282.7	16,980,171		4,048,240		5,245,824		4,182,765		3,503,342	
Urban Frwy/Exprwy	192.8	10,297,246		2,342,190		3,406,236		2,500,017		2,048,804	
Urban Principal Art.	400.0	10,317,445		2,274,736		3,562,327		2,546,075		1,934,306	
Urban Minor Art.	585.2	10,210,168		2,259,517		3,556,585		2,571,124		1,822,941	
Urban Collector	750.2	8,645,828		1,901,448		3,008,755		2,159,202		1,576,423	
Urban Local	0.0	15,976,629		3,389,269		5,912,291		3,996,962		2,678,107	
Urban HOV	46.3	1,607,675		483,640		515,721		548,073		60,242	
Rural	790.0	13,479,916		3,175,328		4,378,542		3,462,603		2,463,442	
Urban	2,257.2	74,035,161		16,699,039		25,207,739		18,504,218		13,624,165	
County	3,047.1	87,515,076		19,874,368		29,586,281		21,966,821		16,087,607	



Based on 2008 8-hour Non-attainment Boundary

2045: 2045 MTPs		24 Hour		AM Peak		Midday		PM Peak		Night	
Cabarrus (NA part)	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural Principal Art.	10.1	218,289	44.6	49,368	41.8	71,072	45.6	55,910	41.2	41,939	52.6
Rural Minor Art.	20.1	337,596	41.8	78,759	40.2	110,597	44.3	86,013	35.9	62,226	50.6
Rural Major Collect.	49.9	610,266	34.9	139,404	33.0	206,250	35.7	156,881	30.5	107,731	46.5
Rural Minor Collect.	50.3	429,913	33.2	99,246	32.1	144,437	34.5	114,653	28.8	71,577	42.8
Rural Local		1,127,527	25.9	258,296	24.9	394,775	26.1	291,572	25.6	182,885	27.3
Urban Interstate	28.2	2,341,610	55.5	531,941	45.7	769,487	63.6	582,554	49.6	457,628	68.4
Urban Frwy/Exprwy	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Urban Principal Art.	37.5	1,289,540	26.5	283,766	25.1	449,515	27.1	321,960	21.9	234,300	39.3
Urban Minor Art.	69.8	1,429,753	25.8	312,893	24.4	506,413	26.0	358,941	21.9	251,506	37.7
Urban Collector	100.8	965,386	21.2	211,416	20.1	347,133	21.1	241,742	17.5	165,095	34.6
Urban Local		1,695,887	22.6	375,368	22.5	623,128	22.6	423,856	21.2	273,534	25.4
Urban HOV	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural	130.3	2,723,591	31.3	625,074	30.0	927,131	31.8	705,029	29.0	466,358	36.7
Urban	236.2	7,722,175	28.9	1,715,383	27.2	2,695,677	29.2	1,929,053	25.2	1,382,062	39.7
County	366.5	10,445,767	29.5	2,340,457	27.9	3,622,808	29.8	2,634,081	26.1	1,848,420	38.9

2045: 2045 MTPs		24 Hour		AM Peak		Midday		PM Peak		Night	
Gaston (NA part)	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	4.6	193,035	61.9	45,734	60.8	60,525	62.9	48,970	60.8	37,806	63.0
Rural Principal Art.	20.8	326,890	57.6	74,818	57.3	103,638	58.2	85,879	56.8	62,555	58.2
Rural Minor Art.	16.5	248,984	41.3	60,949	35.4	75,478	48.8	67,123	35.0	45,434	54.4
Rural Major Collect.	38.2	285,692	40.4	66,257	37.1	92,510	44.2	77,461	35.4	49,464	49.6
Rural Minor Collect.	52.0	155,896	38.9	40,474	38.3	47,030	40.0	47,986	37.7	20,405	40.9
Rural Local		251,825	27.4	58,845	27.5	83,821	27.2	67,794	27.9	41,365	27.2
Urban Interstate	34.7	2,483,628	50.8	567,641	46.0	801,749	61.1	614,394	39.7	499,843	63.0
Urban Frwy/Exprwy	4.6	124,028	43.5	27,285	40.0	40,589	44.2	30,255	40.5	25,899	51.3
Urban Principal Art.	90.1	1,447,076	30.4	331,592	28.3	492,565	32.0	374,424	26.5	248,494	38.9
Urban Minor Art.	127.9	1,163,947	30.7	265,399	28.2	398,785	31.8	301,920	27.6	197,843	39.2
Urban Collector	71.1	343,517	27.1	79,300	27.1	117,359	26.8	91,441	24.4	55,417	34.5
Urban Local		1,129,045	24.2	254,535	24.3	408,141	24.1	284,420	24.1	181,948	24.4
Urban HOV	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural	132.2	1,462,321	41.7	347,077	39.6	463,002	43.5	395,213	39.0	257,028	46.5
Urban	328.3	6,691,240	34.0	1,525,753	32.1	2,259,189	35.7	1,696,854	29.8	1,209,445	41.8
County	460.5	8,153,562	35.2	1,872,830	33.3	2,722,191	36.8	2,092,067	31.2	1,466,474	42.5

2045: 2045 MTPs		24 Hour		AM Peak		Midday		PM Peak		Night	
Iredell (NA part)	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	6.1	277,485	45.5	61,570	41.4	94,556	56.0	66,295	31.3	55,064	68.1
Rural Principal Art.	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural Minor Art.	5.0	192,197	35.7	44,714	30.0	63,372	38.1	49,393	33.1	34,718	47.3
Rural Major Collect.	12.9	152,996	30.1	34,294	28.5	52,459	32.0	37,821	23.4	28,422	45.7
Rural Minor Collect.	20.6	237,211	26.9	54,964	26.5	79,681	28.2	63,489	21.3	39,077	41.9
Rural Local		534,318	27.7	120,596	27.2	189,935	27.8	137,989	27.3	85,797	29.2
Urban Interstate	16.5	754,395	48.5	160,438	43.4	258,461	54.2	169,865	36.5	165,631	67.9
Urban Frwy/Exprwy	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Urban Principal Art.	6.7	181,267	29.8	40,728	28.6	62,792	30.7	45,402	25.5	32,345	38.8
Urban Minor Art.	17.5	209,765	26.0	46,369	23.1	72,325	26.1	50,291	23.2	40,781	35.8
Urban Collector	21.8	302,319	30.6	68,025	29.0	106,127	31.0	76,904	27.2	51,263	40.0
Urban Local		556,314	23.7	123,531	23.3	203,901	23.7	137,053	22.5	91,830	26.2
Urban HOV	6.2	109,738	52.7	31,297	54.6	39,262	68.3	38,937	41.9	241	68.6
Rural	44.6	1,394,207	31.2	316,138	29.5	480,003	32.8	354,988	26.7	243,079	40.3
Urban	68.6	2,113,799	32.4	470,389	30.7	742,868	33.5	518,451	28.1	382,091	41.5
County	113.3	3,508,006	31.9	786,526	30.2	1,222,871	33.2	873,439	27.5	625,170	41.0

2045: 2045 MTPs		24 Hour		AM Peak		Midday		PM Peak		Night	
Lincoln (NA part)	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural Principal Art.	7.2	124,276	47.8	27,076	44.8	40,676	48.8	30,699	42.4	25,825	58.7
Rural Minor Art.	40.0	653,817	37.9	151,667	36.0	207,462	38.6	166,230	34.6	128,458	45.1
Rural Major Collect.	13.7	138,484	49.8	31,565	48.9	45,839	51.0	36,345	47.1	24,735	53.3
Rural Minor Collect.	29.6	209,019	36.7	50,992	34.7	67,984	38.2	57,185	33.8	32,858	43.0
Rural Local		997,753	26.9	232,211	26.1	338,483	27.2	258,683	26.1	168,376	28.9
Urban Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Urban Frwy/Exprwy	17.4	298,446	68.2	65,817	68.2	97,955	68.2	77,467	68.2	57,207	68.2
Urban Principal Art.	9.3	115,960	37.4	26,133	36.1	37,853	37.8	29,590	34.1	22,384	44.4
Urban Minor Art.	31.4	409,608	38.0	92,714	36.4	138,355	38.8	102,323	34.3	76,215	45.4
Urban Collector	17.3	106,253	33.1	23,584	31.3	35,444	34.0	28,355	30.4	18,871	38.9
Urban Local		214,607	26.7	47,449	26.5	76,469	26.8	53,077	26.0	37,612	28.0
Urban HOV	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural	90.5	2,123,349	32.5	493,511	31.2	700,445	32.8	549,142	30.7	380,251	36.8
Urban	75.4	1,144,874	38.8	255,696	37.7	386,076	39.0	290,812	36.5	212,290	43.8
County	165.9	3,268,223	34.4	749,207	33.1	1,086,521	34.8	839,954	32.5	592,541	39.0

Based on 2008 8-hour Non-attainment Boundary

2026: 2050 MTP		24 Hour		AM Peak		Midday		PM Peak		Night	
Cabarrus (NA part)	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural Principal Art.	10.1	133,015	46.4	31,123	45.8	39,788	45.8	32,228	44.0	29,876	50.9
Rural Minor Art.	20.1	278,063	52.9	68,616	52.7	82,679	53.5	73,473	51.5	53,295	54.2
Rural Major Collect.	49.9	441,670	39.4	105,803	38.3	137,282	40.1	117,377	35.6	81,209	46.8
Rural Minor Collect.	50.3	335,376	41.0	78,982	40.9	101,275	40.7	97,567	39.1	57,552	45.3
Rural Local		686,129	28.3	147,583	28.6	237,497	28.0	175,619	28.4	125,430	28.3
Urban Interstate	28.2	1,812,876	61.8	478,652	59.4	510,206	66.2	493,661	57.5	330,357	66.4
Urban Frwy/Exprwy	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Urban Principal Art.	37.5	871,040	31.6	188,248	30.4	294,349	31.9	204,058	26.8	184,385	41.0
Urban Minor Art.	70.1	967,229	31.2	210,386	30.7	333,395	31.3	239,511	27.2	183,937	38.8
Urban Collector	101.9	800,513	28.5	174,224	27.3	285,351	29.1	203,011	24.5	137,927	38.5
Urban Local		1,159,089	23.8	240,733	24.2	429,912	23.1	283,533	23.4	204,910	25.2
Urban HOV	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural	130.3	1,874,254	36.2	432,107	36.5	598,521	35.6	496,264	35.1	347,362	38.6
Urban	237.7	5,610,747	34.1	1,292,243	34.5	1,853,213	33.1	1,423,774	31.4	1,041,516	40.2
County	368.0	7,485,001	34.6	1,724,350	35.0	2,451,734	33.7	1,920,039	32.3	1,388,878	39.8

2026: 2050 MTP		24 Hour		AM Peak		Midday		PM Peak		Night	
Gaston (NA part)	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	4.6	121,333	61.1	33,019	60.9	34,562	61.4	31,651	60.9	22,100	61.4
Rural Principal Art.	15.0	279,799	62.7	73,850	62.7	83,444	62.8	72,085	62.6	50,420	62.7
Rural Minor Art.	15.7	255,779	40.8	59,737	34.8	85,401	45.7	61,974	33.4	48,667	58.6
Rural Major Collect.	37.7	317,088	44.2	79,091	41.6	96,815	47.5	85,144	40.6	56,039	49.2
Rural Minor Collect.	52.0	180,688	45.3	47,959	44.5	52,126	46.3	53,136	44.4	27,466	46.3
Rural Local		212,576	28.9	48,201	29.5	72,200	28.5	54,093	29.4	38,081	28.1
Urban Interstate	34.2	1,888,771	49.4	472,748	43.5	556,290	59.8	482,634	40.5	377,099	61.2
Urban Frwy/Exprwy	4.6	113,103	43.1	25,879	38.5	36,051	44.9	25,835	38.6	25,338	52.9
Urban Principal Art.	83.0	1,290,265	31.4	303,913	30.4	430,664	32.4	332,909	28.2	222,779	36.9
Urban Minor Art.	123.0	1,105,175	32.7	257,263	31.4	366,482	34.2	287,891	29.4	193,537	37.9
Urban Collector	69.9	318,760	28.1	71,657	27.2	108,238	27.9	79,667	25.8	59,198	33.7
Urban Local		1,035,467	24.1	213,515	24.5	387,964	23.7	244,503	24.3	189,486	24.5
Urban HOV	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural	125.1	1,367,263	43.8	341,858	42.4	424,549	44.9	358,084	41.4	242,773	47.8
Urban	314.6	5,751,541	33.8	1,344,975	32.8	1,885,690	34.7	1,453,439	30.7	1,067,436	39.1
County	439.7	7,118,803	35.4	1,686,833	34.3	2,310,239	36.2	1,811,523	32.3	1,310,209	40.5

2026: 2050 MTP		24 Hour		AM Peak		Midday		PM Peak		Night	
Iredell (NA part)	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	6.1	250,019	55.0	63,624	46.9	74,188	65.6	63,238	47.8	48,969	66.5
Rural Principal Art.	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural Minor Art.	5.0	117,506	14.9	23,192	14.0	40,289	13.3	24,372	13.1	29,654	21.8
Rural Major Collect.	12.4	147,284	35.1	32,771	33.6	50,964	35.2	34,394	31.2	29,155	43.8
Rural Minor Collect.	19.9	209,678	26.5	49,104	25.8	70,864	25.2	53,620	23.2	36,090	40.3
Rural Local		501,519	28.0	108,302	28.9	178,695	26.8	123,159	28.0	91,362	29.5
Urban Interstate	23.0	683,719	58.8	160,551	53.5	215,518	62.9	159,663	53.8	147,987	66.3
Urban Frwy/Exprwy	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Urban Principal Art.	6.7	146,402	24.2	31,033	22.8	49,955	23.1	33,511	20.9	31,904	34.7
Urban Minor Art.	17.5	179,342	29.3	38,786	28.1	60,811	29.4	42,640	25.9	37,105	35.8
Urban Collector	21.8	281,060	25.7	60,796	24.4	98,269	26.4	67,362	20.3	54,632	39.6
Urban Local		496,818	24.2	103,079	24.2	185,285	23.7	117,135	23.7	91,319	25.8
Urban HOV	6.2	92,087	66.5	31,861	66.6	25,269	67.1	34,041	65.9	916	67.2
Rural	43.5	1,226,006	28.9	276,994	28.7	415,000	27.5	298,782	27.2	235,230	34.8
Urban	75.1	1,879,428	33.2	426,106	32.9	635,108	32.4	454,352	30.3	363,863	39.9
County	118.6	3,105,435	31.3	703,099	31.1	1,050,108	30.3	753,134	29.0	599,093	37.7

2026: 2050 MTP		24 Hour		AM Peak		Midday		PM Peak		Night	
Lincoln (NA part)	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural Principal Art.	7.2	124,398	49.2	32,571	42.8	40,885	50.8	27,491	48.4	23,451	59.7
Rural Minor Art.	37.5	593,798	43.7	135,248	41.6	194,974	43.8	134,839	40.3	128,736	50.7
Rural Major Collect.	10.9	75,484	55.1	18,888	55.2	24,700	55.1	18,451	55.3	13,445	54.8
Rural Minor Collect.	29.6	139,948	39.3	37,782	37.6	41,465	39.4	37,070	38.5	23,631	44.0
Rural Local		711,289	29.7	161,052	30.3	248,835	29.1	169,717	30.0	131,685	29.6
Urban Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Urban Frwy/Exprwy	17.4	271,076	66.5	73,990	66.5	84,079	66.5	65,714	66.5	47,294	66.5
Urban Principal Art.	9.6	158,814	41.1	36,916	38.4	53,470	42.6	37,448	38.7	30,980	45.7
Urban Minor Art.	30.9	336,997	34.8	75,102	32.9	115,179	34.3	76,649	31.8	70,068	43.1
Urban Collector	16.2	70,062	36.1	17,519	34.4	23,240	36.9	17,700	35.7	11,604	38.2
Urban Local		178,583	26.2	37,841	26.5	66,095	25.9	40,276	26.3	34,371	26.4
Urban HOV	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural	85.1	1,644,917	36.6	385,541	36.1	550,860	36.0	387,568	35.6	320,948	39.3
Urban	74.1	1,015,533	38.5	241,367	38.4	342,062	37.8	237,786	37.2	194,317	42.0
County	159.2	2,660,450	37.3	626,908	37.0	892,922	36.7	625,354	36.2	515,265	40.3

2026: 2050 MTP		24 Hour		AM Peak		Midday		PM Peak		Night	
Mecklenburg	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural Principal Art.	7.3	193,175	26.0	42,388	19.8	65,415	31.8	45,042	19.1	40,330	46.2
Rural Minor Art.	3.8	99,814	34.1	22,342	30.2	33,314	38.4	23,432	27.4	20,726	44.9
Rural Major Collect.	5.8	78,104	38.1	18,336	36.5	27,290	41.6	21,441	33.0	11,037	45.4
Rural Minor Collect.	16.2	233,720	30.7	53,303	30.8	81,321	30.8	63,126	27.2	35,970	38.4
Rural Local		521,949	26.8	113,826	27.0	182,648	26.7	134,310	25.5	91,165	28.6
Urban Interstate	158.5	9,451,962	47.5	2,230,102	44.4	2,927,088	52.3	2,365,161	39.1	1,929,610	60.0
Urban Frwy/Exprwy	144.6	8,552,433	48.3	2,001,948	44.9	2,755,858	55.4	2,141,638	37.4	1,652,989	64.4
Urban Principal Art.	196.5	5,723,772	20.3	1,248,275	19.4	1,977,170	20.3	1,410,040	16.1	1,088,287	33.0
Urban Minor Art.	233.6	5,357,810	20.7	1,186,291	20.0	1,878,409	21.3	1,363,616	16.6	929,494	32.1
Urban Collector	343.6	4,863,140	20.0	1,069,633	18.7	1,693,673	20.5	1,215,088	15.9	884,745	32.9
Urban Local		9,069,070	21.4	1,933,136	21.6	3,350,287	21.0	2,297,232	20.2	1,488,415	24.5
Urban HOV	40.1	1,206,380	59.2	380,114	61.8	331,182	63.2	461,820	54.6	33,264	64.9
Rural	33.1	1,126,763	28.5	250,195	26.8	389,989	29.9	287,351	25.1	199,227	34.9
Urban	1,116.8	44,224,566	27.6	10,049,498	27.1	14,913,668	27.7	11,254,596	23.2	8,006,804	38.5
County	1,149.9	45,351,329	27.6	10,299,693	27.1	15,303,657	27.7	11,541,947	23.2	8,206,032	38.4

2026: 2050 MTP		24 Hour		AM Peak		Midday		PM Peak		Night	
Rowan (NA part)	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural Principal Art.	12.7	104,307	57.8	27,510	57.9	29,099	57.6	27,352	57.8	20,346	57.8
Rural Minor Art.	10.9	117,849	59.5	27,260	58.9	38,339	59.8	27,155	58.7	25,095	60.4
Rural Major Collect.	59.0	398,135	55.2	99,674	54.5	117,755	55.3	104,513	54.6	76,193	56.7
Rural Minor Collect.	61.8	298,327	51.9	83,891	51.7	80,845	52.2	90,542	51.4	43,049	52.4
Rural Local		395,397	29.6	88,616	30.3	135,763	28.9	96,734	30.2	74,285	29.5
Urban Interstate	38.8	1,678,768	65.1	454,914	65.1	493,092	65.1	418,021	65.3	312,740	65.2
Urban Frwy/Exprwy	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Urban Principal Art.	37.8	412,033	41.4	93,436	41.1	139,232	41.0	99,080	40.9	80,285	43.5
Urban Minor Art.	61.7	513,187	37.6	116,808	36.8	176,717	37.1	123,078	36.4	96,584	41.2
Urban Collector	119.3	531,375	37.2	124,038	36.6	176,302	37.1	134,844	36.5	96,192	39.5
Urban Local		719,057	25.9	154,345	26.4	262,005	25.2	168,757	26.1	133,951	26.4
Urban HOV	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural	144.4	1,314,016	43.6	326,951	44.7	401,801	42.2	346,295	44.3	238,968	43.8
Urban	257.7	3,854,421	42.1	943,540	43.5	1,247,349	40.4	943,779	42.2	719,753	43.6
County	402.0	5,168,436	42.5	1,270,491	43.8	1,649,149	40.8	1,290,075	42.7	958,721	43.7

2026: 2050 MTP		24 Hour		AM Peak		Midday		PM Peak		Night	
Union (NA part)	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural Principal Art.	28.4	452,164	60.2	121,781	60.3	132,999	59.8	115,692	60.6	81,693	60.0
Rural Minor Art.	13.4	93,143	40.0	25,112	39.0	24,892	41.8	28,708	36.9	14,431	46.8
Rural Major Collect.	108.5	767,269	40.4	183,501	39.2	242,526	40.8	195,946	36.8	145,296	47.6
Rural Minor Collect.	76.4	315,375	37.7	74,178	37.0	104,167	38.4	79,827	33.7	57,203	44.9
Rural Local		1,204,765	30.3	272,674	30.5	411,591	29.8	307,033	29.4	213,467	32.4
Urban Interstate	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Urban Frwy/Exprwy	26.2	530,757	58.6	128,064	58.6	166,422	57.9	138,857	57.8	97,414	61.0
Urban Principal Art.	19.5	514,872	36.5	118,883	35.5	178,450	37.7	128,021	33.0	89,518	41.6
Urban Minor Art.	48.0	581,413	28.1	127,726	27.1	196,107	28.2	141,950	23.9	115,629	37.6
Urban Collector	73.8	813,383	29.2	181,860	28.0	277,361	29.6	202,130	24.8	152,031	39.5
Urban Local		1,431,168	26.4	306,647	26.3	520,489	26.5	351,635	25.4	252,397	27.7
Urban HOV	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rural	226.7	2,832,716	36.8	677,246	37.1	916,175	36.3	727,205	34.9	512,090	40.7
Urban	167.5	3,871,592	30.7	863,180	30.4	1,338,830	30.7	962,593	28.1	706,990	35.7
County	394.2	6,704,309	33.0	1,540,426	33.0	2,255,005	32.8	1,689,798	30.7	1,219,080	37.7

2026: 2050 MTP		24 Hour		AM Peak		Midday		PM Peak		Night	
NC NA	Miles	VMTassn	Spd	VMT	Spd	VMT	Spd	VMT	Spd	VMT	Spd
Rural Interstate	10.8	371,352		96,644		108,751		94,889		71,069	
Rural Principal Art.	80.8	1,286,859		329,223		391,630		319,890		246,116	
Rural Minor Art.	106.4	1,555,952		361,507		499,889		373,953		320,604	
Rural Major Collect.	284.1	2,225,035		538,065		697,331		577,265		412,373	
Rural Minor Collect.	306.2	1,713,111		425,198		532,063		474,889		280,961	
Rural Local	0.0	4,233,624		940,254		1,467,231		1,060,665		765,474	
Urban Interstate	282.7	15,516,096		3,796,967		4,702,195		3,919,140		3,097,794	
Urban Frwy/Exprwy	192.8	9,467,369		2,229,881		3,042,410		2,372,044		1,823,034	
Urban Principal Art.	390.5	9,117,198		2,020,703		3,123,289		2,245,067		1,728,139	
Urban Minor Art.	584.8	9,041,153		2,012,362		3,127,100		2,275,336		1,626,355	
Urban Collector	746.4	7,678,293		1,699,727		2,662,435		1,919,802		1,396,329	
Urban Local	0.0	14,089,252		2,989,295		5,202,038		3,503,070		2,394,849	
Urban HOV	46.3	1,298,468		411,975		356,451		495,861		34,180	
Rural	788.2	11,385,934		2,690,891		3,696,895		2,901,550		2,096,598	
Urban	2,243.5	66,207,828		15,160,910		22,215,919		16,730,320		12,100,679	
County	3,031.7	77,593,762		17,851,801		25,912,814		19,631,870		14,197,277	