

NCDOT 2024 Publication

Vehicle Miles Travel (VMT)

Report

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Introduction

Thank you for your interest in the North Carolina Department of Transportation (NCDOT) Annual Vehicle Miles Travel (AVMT) report. This report provides the general AVMT statistics for the State and its 100 Counties for the most recent year 2024 traffic monitoring collection cycle. Additionally, this report provides AVMT for the State's Rural and Metropolitan Planning Organization (RPO/MPO) areas. The current data contained in this annual publication may also be accessed in the Vehicle Miles Travel (VMT) historical spreadsheet that provides historical VMT data back to year 2009 on the Traffic Survey Group website <https://connect.ncdot.gov/resources/State-Mapping/Pages/Traffic-Volume-Maps.aspx>.

In the transportation context, VMT is the distance travelled by all vehicles within a defined area for a defined period (usually daily or annual). It is a key metric used in environmental assessments, traffic engineering and transportation planning. VMT is used for understanding the level of travel demand on a system which can be used to characterize the impacts of that travel-on-travel time, capacity, access, and safety (crash rates); it is used to estimate and apportion funding and evaluate proposed improvements; more recently, it is being used for greenhouse gas estimates. VMT data helps track the impact of land use patterns on travel, informs decisions about road maintenance and safety, and helps in understanding the impact of transportation on the environment. VMT is a planning tool to help identify whether driving has increased or decreased during a period in a defined area. VMT is used to assist with future travel trend analysis by planners, budget analysts, and engineers.

The NCDOT Traffic Survey Group (TSG) is responsible for generating VMT estimates to support planning, performance monitoring processes and to meet federal reporting requirements as of year 2024. The following pages will provide you with a snapshot of the 2024 VMT data set.

Statewide – Annual Vehicle Miles Travel (AVMT) by Year

How much VMT is there in North Carolina?	
Year	Annual VMT (1000)
2009	102,589,775
2010	102,385,011
2011	103,738,196
2012	104,464,825
2013	105,143,725
2014	108,040,000
2015	111,872,500
2016	116,437,190
2017	119,103,880
2018	121,133,645
2019	122,505,928
*2020	105,922,270
2021	117,765,790
2022	118,844,000
*2023	122,155,280
*2024	127,037,191

(Source: Statewide VMT Trend)

*Year - indicates that an event occurred in which the VMT calculation was adjusted. See link in Introduction on page 1 for more details.

*Year indicates that the year was impacted by COVID-19 pandemic.

Statewide – Annual Vehicle Miles Travel (AVMT) by Functional Classification

How much VMT is there in North Carolina by Functional Classification for the year 2024?		
Functional Class		AVMT (1000)
1	Interstate	29,422,413.4
2	PA – Other Freeways and Expressways	8,559,895.0
3	PA – Other	22,735,166.9
4	Minor Arterial	20,273,489.6
5	Major Collector	15,040,456.7
6	Minor Collector	3,863,774.7
7	Local	27,141,995.1
Total		127,037,191.3

(Source: Statewide VMT by FC)

Statewide – Urban/Rural Annual Vehicle Miles Travel (AVMT) by Functional Classification

		How much Urban/Rural VMT is there in North Carolina by Functional Classification for the year 2024?	
Urban/Rural		Functional Class	AVMT (1000)
Urban	1	Interstate	18,488,792
Urban	2	PA – Other Freeways and Expressways	4,546,439
Urban	3	PA – Other	13,765,267
Urban	4	Minor Arterial	12,056,987
Urban	5	Major Collector	6,361,351
Urban	6	Minor Collector	506,198
Urban	7	Local	17,328,453
Urban	1-7	Total	73,053,488
Rural	1	Interstate	10,933,621
Rural	2	PA – Other Freeways and Expressways	4,013,456
Rural	3	PA – Other	8,969,900
Rural	4	Minor Arterial	8,216,502
Rural	5	Major Collector	8,679,106
Rural	6	Minor Collector	3,357,576
Rural	7	Local	9,813,542
Rural	1-7	Total	53,983,703
Urban/Rural	1-7	Total	127,037,191

(Source: Statewide Urban/Rural by FC VMT)

NCDOT Division – Annual Vehicle Miles Travel (AVMT)

How much VMT is there in Divisions for the year 2024?	
DIVISION	AVMT (1000)
1	3,410,059
2	5,285,983
3	8,724,239
4	8,205,136
5	20,322,186
6	8,134,385
7	11,778,994
8	6,316,241
9	9,692,660
10	20,559,939
11	4,432,686
12	9,244,671
13	6,135,532
14	4,794,480
Statewide	127,037,191

(Source: VMT by NCDOT Division)

County– Annual Vehicle Miles Travel (AVMT)

How much VMT is there in North Carolina by County?			
CNTY_CD	DIVISION	COUNTY	Year 2024 AVMT (1000)
1	7	Alamance	1,834,867.4
2	12	Alexander	271,820.3
3	11	Alleghany	102,430.6
4	10	Anson	362,602.2
5	11	Ashe	284,752.4
6	11	Avery	221,337.2
7	2	Beaufort	480,410.3
8	1	Bertie	301,399.2
9	6	Bladen	470,752.9
10	3	Brunswick	2,184,764.0
11	13	Buncombe	3,069,124.5
12	13	Burke	1,084,757.6
13	10	Cabarrus	2,520,418.6
14	11	Caldwell	754,629.8
15	1	Camden	175,059.6
16	2	Carteret	761,953.5
17	7	Caswell	249,074.0
18	12	Catawba	2,050,546.1
19	8	Chatham	1,059,633.5
20	14	Cherokee	329,812.8
21	1	Chowan	135,758.0
22	14	Clay	106,771.2
23	12	Cleveland	1,082,278.1
24	6	Columbus	870,833.8
25	2	Craven	1,081,580.3
26	6	Cumberland	3,411,548.8
27	1	Currituck	432,621.7
28	1	Dare	564,225.5
29	9	Davidson	1,978,722.7
30	9	Davie	566,919.2
31	3	Duplin	875,502.0
32	5	Durham	4,240,237.4

CNTY_CD	DIVISION	COUNTY	Year 2024 AVMT (1000)
33	4	Edgecombe	545,119.6
34	9	Forsyth	5,012,017.1
35	5	Franklin	618,683.8
36	12	Gaston	2,593,027.9
37	1	Gates	119,485.1
38	14	Graham	77,427.7
39	5	Granville	801,573.9
40	2	Greene	247,960.2
41	7	Guilford	6,895,549.5
42	4	Halifax	740,241.6
43	6	Harnett	1,445,443.2
44	14	Haywood	1,099,886.7
45	14	Henderson	1,307,630.7
46	1	Hertford	210,965.6
47	8	Hoke	423,078.5
48	1	Hyde	52,197.6
49	12	Iredell	2,318,738.3
50	14	Jackson	587,248.1
51	4	Johnston	2,859,314.0
52	2	Jones	240,389.6
53	8	Lee	768,221.7
54	2	Lenoir	698,544.9
55	12	Lincoln	928,260.5
56	14	Macon	379,584.4
57	13	Madison	263,724.7
58	1	Martin	334,044.5
59	13	McDowell	712,954.6
60	10	Mecklenburg	15,171,651.9
61	13	Mitchell	148,097.5
62	8	Montgomery	342,078.6
63	8	Moore	1,006,225.1
64	4	Nash	1,686,322.4
65	3	New Hanover	2,035,785.3
66	1	Northampton	298,566.2
67	3	Onslow	1,740,980.3
68	7	Orange	1,817,076.1
69	2	Pamlico	156,889.3
70	1	Pasquotank	363,063.2
71	3	Pender	980,810.3
72	1	Perquimans	177,273.8
73	5	Person	363,821.1

CNTY_CD	DIVISION	COUNTY	Year 2024 AVMT (1000)
74	2	Pitt	1,618,255.4
75	14	Polk	399,588.5
76	8	Randolph	1,685,713.7
77	8	Richmond	574,564.6
78	6	Robeson	1,935,806.5
79	7	Rockingham	982,427.0
80	9	Rowan	1,752,983.1
81	13	Rutherford	664,417.0
82	3	Sampson	906,397.2
83	8	Scotland	456,725.7
84	10	Stanly	593,146.7
85	9	Stokes	382,017.7
86	11	Surry	1,164,177.5
87	14	Swain	212,342.0
88	14	Transylvania	294,187.5
89	1	Tyrrell	79,236.1
90	10	Union	1,912,119.6
91	5	Vance	492,774.0
92	5	Wake	13,537,657.2
93	5	Warren	267,438.7
94	1	Washington	166,162.8
95	11	Watauga	586,979.5
96	4	Wayne	1,268,648.3
97	11	Wilkes	721,020.0
98	4	Wilson	1,105,489.6
99	11	Yadkin	597,358.6
100	13	Yancey	192,456.1
ALL	ALL	Statewide	127,037,191.3

(Source: VMT by County)

MPO/RPO – Annual Vehicle Miles Travel (AVMT)

How much AVMT is there in North Carolina by MPO/RPO areas?			
MPO_NAME	Year 2024 AVMT (1000)	RPO_NAME	Year 2024 AVMT (1000)
Burlington Graham MPO	2,164,980	Albemarle RPO	2,265,083
Cabarrus Rowan MPO	4,272,733	Cape Fear RPO	2,223,596
Capital Area MPO	16,337,123	Down East RPO	1,606,819
Charlotte Regional Transportation Planning Organization	19,201,097	East Carolina RPO	2,130,759
Fayetteville Area MPO	4,081,831	Foothills RPO	1,778,981
French Broad River MPO	5,117,072	High Country RPO	2,254,854
Gaston-Cleveland-Lincoln MPO	4,603,614	Kerr-Tar RPO	1,813,051
Goldsboro Urban Area MPO	958,961	Land-of-Sky RPO	917,379
Grand Strand Transportation Study Area	808,179	Lumber River RPO	3,015,376
Greater Hickory MPO	4,161,569	Mid-Carolina RPO	2,040,994
Greensboro Urban Area MPO	5,384,235	Mid-East RPO	1,338,788
Greenville Urban Area MPO	1,094,101	Northwest Piedmont RPO	2,381,776
High Point Urban Area MPO	3,517,622	Peanut Belt RPO	1,551,173
Jacksonville Urban MPO	1,737,546	Piedmont Triad RPO	2,829,371
New Bern MPO	633,932	Rocky River RPO	1,157,918
Rocky Mount Urban Area MPO	1,094,207	Southwestern RPO	1,693,171
Sandhills MPO	507,130	Triangle Area RPO	2,088,192
Triangle West TPO	5,879,059	Upper Coastal Plain RPO	3,819,828
Wilmington Urban Area MPO	3,043,853		
Winston Salem Area TPO	5,531,237		
MPO Total	90,130,081	RPO Total	36,907,109
Grand Total	127,037,190		

(Source: VMT by MPO-RPO)

County by Rural Area by FC – Annual Vehicle Miles Travel (AVMT)

How much AVMT is there by designation Rural by County by FC?

		Rural Functional Class						
County CD	County Name	1	2	3	4	5	6	7
1	Alamance	-	-	-	99,211	82,335	51,656	129,112
2	Alexander	-	-	-	116,709	28,598	36,754	72,717
3	Alleghany	-	-	-	39,630	34,601	1,907	26,293
4	Anson	-	-	166,817	18,821	55,238	17,791	42,943
5	Ashe	-	-	-	86,957	92,030	12,136	93,629
6	Avery	-	-	62,985	52,463	56,216	6,871	42,802
7	Beaufort	-	21,283	58,954	65,452	122,821	22,152	75,009
8	Bertie	-	-	100,702	62,007	62,219	19,419	57,051
9	Bladen	-	-	74,281	120,319	171,386	33,555	71,212
10	Brunswick	54,120	60,060	557,659	282,960	231,492	14,846	298,731
11	Buncombe	320,088	53,880	30,579	100,172	79,207	28,703	149,507
12	Burke	250,275	-	37,001	93,559	40,976	45,508	98,751
13	Cabarrus	53,523	-	87,561	129,606	120,477	76,431	163,611
14	Caldwell	-	-	124,130	53,623	36,061	10,532	125,054
15	Camden	-	-	61,503	30,634	36,651	10,191	25,195
16	Carteret	-	-	144,344	43,951	91,393	4,471	29,552
17	Caswell	-	40,339	33,114	59,515	49,353	21,406	45,347
18	Catawba	145,836	131,788	154,929	78,848	57,590	115,302	209,295
19	Chatham	-	222,350	328,256	66,494	182,457	76,700	103,709
20	Cherokee	-	-	172,393	24,793	61,720	17,457	53,450
21	Chowan	-	18,398	11,214	30,001	10,856	20,660	26,316
22	Clay	-	-	-	68,538	14,003	6,939	17,291
23	Cleveland	132,698	71,484	90,763	126,278	123,028	47,727	147,510
24	Columbus	-	235,124	80,023	122,157	179,673	54,458	137,089
25	Craven	-	159,257	165,636	104,625	98,922	32,202	77,603
26	Cumberland	669,439	49,790	169,951	111,757	108,150	43,268	156,325
27	Currituck	-	-	-	322,905	16,849	36,698	31,586
28	Dare	-	-	72,556	12,963	128,159	12,728	18,093

		Rural						
		Functional Class						
County CD	County Name	1	2	3	4	5	6	7
29	Davidson	101,570	20,689	104,720	48,281	123,966	759	150,152
30	Davie	180,203	-	-	107,086	35,698	21,220	51,539
31	Duplin	255,988	7,650	112,244	219	275,134	63,738	160,527
32	Durham	81,601	24,620	13,998	110,904	78,005	14,971	221,918
33	Edgecombe	-	144,496	13,725	45,086	129,208	45,018	39,630
34	Forsyth	11,716	23,049	12,731	14,437	18,137	-	59,023
35	Franklin	-	-	208,580	140,878	104,014	42,358	70,110
36	Gaston	151,795	78,980	96,681	137,313	64,129	46,009	133,432
37	Gates	-	-	53,684	14,088	17,533	15,330	18,851
38	Graham	-	-	37,597	10,859	12,374	1,984	14,615
39	Granville	251,429	-	24,409	135,801	86,053	65,198	97,292
40	Greene	33,744	-	-	74,436	72,290	16,738	50,753
41	Guilford	213,037	42,641	55,854	59,056	24,622	20,858	206,294
42	Halifax	348,053	-	34,964	65,481	85,064	14,832	79,524
43	Harnett	180,992	-	274,514	156,846	201,162	89,925	242,022
44	Haywood	406,625	1,207	52,721	45,565	34,644	7,002	75,814
45	Henderson	114,529	-	118,743	65,729	43,122	13,704	164,777
46	Hertford	-	-	15,017	42,718	68,386	16,375	44,381
47	Hoke	-	-	38,455	91,120	45,587	40,652	42,391
48	Hyde	-	-	-	20,773	20,219	6,175	5,031
49	Iredell	594,390	-	24,773	67,246	156,186	75,140	199,929
50	Jackson	-	9,945	209,961	140,016	15,404	15,294	66,880
51	Johnston	791,956	128,732	232,853	351,023	261,660	46,889	325,783
52	Jones	-	39,512	94,488	9,583	68,819	11,006	16,981
53	Lee	-	177,607	94,805	43,695	54,685	28,651	48,384
54	Lenoir	5,508	22,301	196,961	62,530	125,537	34,691	101,899
55	Lincoln	-	59,909	250,338	88,730	46,709	67,934	155,369
56	Macon	-	18,171	83,467	52,949	52,882	17,189	59,111
57	Madison	73,952	-	30,587	55,869	46,486	17,342	39,488
58	Martin	-	-	143,548	28,595	61,584	16,030	53,317
59	McDowell	312,727	-	86,441	20,363	105,937	26,653	51,723
60	Mecklenburg	127,196	-	62,960	52,602	48,261	5,414	110,984
61	Mitchell	-	-	33,846	4,663	58,046	5,358	46,186
62	Montgomery	119,843	-	-	75,299	78,671	10,179	58,086
63	Moore	-	25,201	113,891	235,758	125,444	58,836	109,980
64	Nash	413,627	293,202	57,412	56,157	191,266	116,816	89,371
65	New Hanover	93,571	80,006	69,933	34,638	5,493	15,538	16,132
66	Northampton	101,873	-	62,633	19,834	54,206	17,167	31,526

		Rural						
		Functional Class						
County CD	County Name	1	2	3	4	5	6	7
67	Onslow	-	56,741	420,495	158,964	105,747	32,952	169,363
68	Orange	557,657	-	722	155,716	111,191	75,004	139,242
69	Pamlico	-	-	-	61,610	52,062	13,503	29,714
70	Pasquotank	-	43,352	84,047	26,646	11,290	32,875	36,047
71	Pender	265,444	-	163,245	148,375	123,239	43,594	79,114
72	Perquimans	-	-	98,151	-	12,758	35,773	30,593
73	Person	-	-	46,636	40,682	55,891	44,659	94,429
74	Pitt	111,066	78,987	193,768	75,813	235,291	44,506	118,727
75	Polk	188,994	86,052	-	-	53,358	22,662	42,756
76	Randolph	307,385	109,157	173,198	69,139	161,282	58,184	207,058
77	Richmond	51,380	109,698	111,706	11,948	46,233	3,906	69,228
78	Robeson	622,393	112,692	1,194	163,677	357,122	121,109	243,073
79	Rockingham	15,957	136,682	236,648	139,612	45,317	63,708	135,845
80	Rowan	424,071	-	73,383	104,725	141,643	96,551	181,899
81	Rutherford	-	106,398	29,182	88,910	46,201	45,418	166,733
82	Sampson	169,893	6,751	99,694	193,047	109,024	81,766	158,575
83	Scotland	-	135,687	26,906	51,825	46,174	26,161	56,749
84	Stanly	-	-	70,833	124,786	117,008	35,450	95,654
85	Stokes	-	32,080	-	69,287	49,567	27,127	78,348
86	Surry	370,073	122,985	26,636	160,189	107,440	62,200	180,911
87	Swain	-	35,351	24,566	52,816	56,733	2,750	40,126
88	Transylvania	-	-	9,679	91,543	38,498	12,835	35,276
89	Tyrrell	-	15,710	39,712	-	9,910	3,310	10,594
90	Union	-	-	188,226	197,787	214,677	75,148	185,520
91	Vance	103,706	10,228	50,863	16,308	68,508	30,895	41,862
92	Wake	307,140	190,450	307,685	360,313	272,722	-	412,399
93	Warren	82,734	-	35,642	-	68,581	8,096	72,387
94	Washington	-	44,555	35,066	-	51,839	11,065	23,638
95	Watauga	-	-	149,943	44,252	23,184	5,945	149,145
96	Wayne	165,920	13,476	129,395	89,425	171,202	63,784	153,066
97	Wilkes	-	99,632	76,053	61,025	93,432	52,942	140,080
98	Wilson	435,067	45,751	70,853	52,908	85,051	38,461	66,326
99	Yadkin	162,836	159,370	-	84,276	33,277	66,870	90,729
100	Yancey	-	-	92,894	9,720	34,569	10,925	44,349
Total		10,933,621	4,013,456	8,969,900	8,216,502	8,679,106	3,357,576	9,813,542

(Source: County Rural Area by FC VMT)

County Urban Area by FC – Annual Vehicle Miles Travel (AVMT)

How much AVMT is there by designation Urban by County by FC?								
		Urban						
		Functional Class						
County CD	County Name	1	2	3	4	5	6	7
1	Alamance	754,875	-	125,792	238,549	181,219	16,413	155,706
2	Alexander	-	-	-	8,159	3,640	-	5,244
3	Alleghany	-	-	-	-	-	-	-
4	Anson	-	-	52,986	3,095	4,523	-	387
5	Ashe	-	-	-	-	-	-	-
6	Avery	-	-	-	-	-	-	-
7	Beaufort	-	4,332	40,851	46,553	10,334	-	12,668
8	Bertie	-	-	-	-	-	-	-
9	Bladen	-	-	-	-	-	-	-
10	Brunswick	324	100,325	119,548	64,582	131,539	3,405	265,174
11	Buncombe	808,465	212,726	470,272	291,379	172,788	22,149	329,209
12	Burke	180,223	-	83,481	136,070	35,367	3,811	79,735
13	Cabarrus	634,911	-	311,630	376,727	218,902	32,496	314,544
14	Caldwell	-	-	179,078	82,653	50,496	1,350	91,654
15	Camden	-	-	-	9,693	750	-	443
16	Carteret	-	-	243,966	115,857	23,636	-	64,783
17	Caswell	-	-	-	-	-	-	-
18	Catawba	236,058	40,283	292,841	237,249	64,212	7,022	279,293
19	Chatham	-	-	27,713	8,448	9,742	17,051	16,713
20	Cherokee	-	-	-	-	-	-	-
21	Chowan	-	5,158	-	11,991	828	-	336
22	Clay	-	-	-	-	-	-	-
23	Cleveland	5,122	27,747	163,606	85,999	9,281	2,209	48,825
24	Columbus	-	5,345	28,379	12,587	8,674	219	7,105
25	Craven	-	81,355	206,198	65,436	20,563	-	69,783

		Urban						
		Functional Class						
County CD	County Name	1	2	3	4	5	6	7
26	Cumberland	200,692	178,918	723,007	517,010	115,385	10,666	357,191
27	Currituck	-	-	-	-	22,364	-	2,219
28	Dare	-	-	170,190	78,518	15,502	-	55,517
29	Davidson	643,836	89,912	165,818	139,970	200,203	6,361	182,487
30	Davie	70,939	-	-	75,295	5,817	3,782	15,341
31	Duplin	-	-	-	-	-	-	-
32	Durham	1,126,030	314,627	554,353	332,710	247,747	11,677	1,107,076
33	Edgecombe	-	37,403	25,687	34,700	11,488	893	17,785
34	Forsyth	887,069	929,355	179,121	470,903	733,112	2,747	1,670,617
35	Franklin	-	-	9,769	18,413	15,842	-	8,721
36	Gaston	633,557	40,829	422,268	377,060	62,102	1,867	347,005
37	Gates	-	-	-	-	-	-	-
38	Graham	-	-	-	-	-	-	-
39	Granville	55,478	-	13,301	45,943	4,147	4,012	18,510
40	Greene	-	-	-	-	-	-	-
41	Guilford	2,183,073	761,268	728,102	1,085,968	374,888	20,216	1,119,673
42	Halifax	25,914	-	24,041	28,313	17,655	-	16,400
43	Harnett	25,496	-	108,149	46,904	38,453	12,880	68,100
44	Haywood	67,673	120,516	116,781	85,104	18,161	6,169	61,905
45	Henderson	247,684	-	145,698	124,078	117,905	4,254	147,408
46	Hertford	-	-	-	-	21,573	2,167	348
47	Hoke	-	-	82,666	20,037	38,423	4,068	19,680
48	Hyde	-	-	-	-	-	-	-
49	Iredell	483,059	-	147,525	195,236	175,894	36,186	163,174
50	Jackson	-	-	90,907	11,309	14,007	1,009	12,516
51	Johnston	166,772	10,446	89,150	227,341	95,149	908	130,651
52	Jones	-	-	-	-	-	-	-
53	Lee	-	99,701	105,269	59,798	16,866	345	38,416
54	Lenoir	-	5,042	78,337	6,839	31,556	-	27,343
55	Lincoln	-	72,210	41,945	57,911	38,131	5,635	43,438
56	Macon	-	6,053	46,469	25,753	7,356	921	9,262
57	Madison	-	-	-	-	-	-	-
58	Martin	-	-	8,443	14,817	1,882	-	5,828

		Urban						
		Functional Class						
County CD	County Name	1	2	3	4	5	6	7
59	McDowell	4,465	-	23,971	32,994	33,917	1,631	12,131
60	Mecklenburg	4,935,199	238,604	2,034,988	1,729,658	780,325	134,649	4,910,810
61	Mitchell	-	-	-	-	-	-	-
62	Montgomery	-	-	-	-	-	-	-
63	Moore	-	24,115	124,050	110,638	22,833	1,715	53,763
64	Nash	23,858	106,337	143,809	119,702	29,470	5,483	39,811
65	New Hanover	90,983	34,219	855,714	271,656	105,794	4,846	357,264
66	Northampton	-	-	4,739	3,690	1,302	-	1,596
67	Onslow	-	65,531	264,903	203,889	77,315	14,443	170,638
68	Orange	258,286	126,217	116,878	135,005	29,960	9,157	102,039
69	Pamlico	-	-	-	-	-	-	-
70	Pasquotank	-	-	42,023	42,152	23,043	635	20,953
71	Pender	-	-	95,111	2,050	42,219	-	18,420
72	Perquimans	-	-	-	-	-	-	-
73	Person	-	-	53,007	6,784	8,868	2,806	10,059
74	Pitt	-	12,198	247,636	325,922	89,334	123	84,885
75	Polk	-	-	-	-	4,918	-	848
76	Randolph	251,923	18,215	101,701	112,899	49,257	725	65,591
77	Richmond	-	5,705	92,753	32,128	17,133	233	22,513
78	Robeson	133,623	-	65,103	29,168	37,514	7,001	42,138
79	Rockingham	-	6,906	57,192	89,910	7,086	10,332	37,233
80	Rowan	223,333	-	158,649	126,490	79,618	2,850	139,773
81	Rutherford	-	15,404	46,841	53,294	24,184	37	41,815
82	Sampson	-	11,854	38,383	10,278	15,712	1,480	9,939
83	Scotland	-	14,637	54,164	10,015	14,490	345	19,572
84	Stanly	-	-	79,943	26,345	21,093	733	21,301
85	Stokes	-	52,584	-	36,239	22,226	-	14,558
86	Surry	-	-	33,959	34,559	32,771	1,036	31,419
87	Swain	-	-	-	-	-	-	-
88	Transylvania	-	-	63,194	9,333	21,748	-	12,081
89	Tyrrell	-	-	-	-	-	-	-
90	Union	-	-	298,502	252,941	270,505	50,455	178,358
91	Vance	54,466	14,893	28,772	22,726	27,819	604	21,123

		Urban						
		Functional Class						
County CD	County Name	1	2	3	4	5	6	7
92	Wake	3,010,549	542,358	1,797,530	2,017,119	963,871	5,578	3,349,941
93	Warren	-	-	-	-	-	-	-
94	Washington	-	-	-	-	-	-	-
95	Watauga	-	-	144,558	8,567	34,125	-	27,261
96	Wayne	52,941	82,375	83,888	164,225	36,115	1,968	60,867
97	Wilkes	-	24,449	59,138	56,725	30,031	3,041	24,475
98	Wilson	11,919	6,286	130,827	104,928	18,651	1,402	37,061
99	Yadkin	-	-	-	-	-	-	-
100	Yancey	-	-	-	-	-	-	-
Total		18,488,792	4,546,439	13,765,267	12,056,987	6,361,351	506,198	17,328,453

(Source: County Urban Area by FC VMT)

County by FC – Annual Vehicle Miles Travel (AVMT)

County Name	1	2	3	4	5	6	7
Alamance	754,875	-	125,792	337,759	263,554	68,069	284,818
Alexander	-	-	-	124,867	32,238	36,754	77,961
Alleghany	-	-	-	39,630	34,601	1,907	26,293
Anson	-	-	219,803	21,916	59,762	17,791	43,330
Ashe	-	-	-	86,957	92,030	12,136	93,629
Avery	-	-	62,985	52,463	56,216	6,871	42,802
Beaufort	-	25,615	99,805	112,005	133,156	22,152	87,677
Bertie	-	-	100,702	62,007	62,219	19,419	57,051
Bladen	-	-	74,281	120,319	171,386	33,555	71,212
Brunswick	54,443	160,385	677,207	347,541	363,030	18,251	563,906
Buncombe	1,128,553	266,606	500,851	391,551	251,995	50,852	478,716
Burke	430,497	-	120,482	229,629	76,343	49,319	178,487
Cabarrus	688,434	-	399,192	506,332	339,380	108,927	478,154
Caldwell	-	-	303,208	136,276	86,557	11,881	216,708
Camden	-	-	61,503	40,327	37,401	10,191	25,638
Carteret	-	-	388,310	159,809	115,029	4,471	94,335
Caswell	-	40,339	33,114	59,515	49,353	21,406	45,347
Catawba	381,894	172,070	447,771	316,097	121,802	122,324	488,588
Chatham	-	222,350	355,969	74,943	192,200	93,751	120,421
Cherokee	-	-	172,393	24,793	61,720	17,457	53,450
Chowan	-	23,556	11,214	41,992	11,684	20,660	26,652
Clay	-	-	-	68,538	14,003	6,939	17,291
Cleveland	137,820	99,231	254,369	212,276	132,309	49,937	196,336
Columbus	-	240,469	108,403	134,744	188,347	54,676	144,195
Craven	-	240,612	371,833	170,062	119,485	32,202	147,386
Cumberland	870,131	228,708	892,957	628,766	223,536	53,934	513,516
Currituck	-	-	-	322,905	39,213	36,698	33,805
Dare	-	-	242,746	91,481	143,660	12,728	73,610
Davidson	745,406	110,601	270,538	188,251	324,169	7,119	332,639
Davie	251,142	-	-	182,381	41,515	25,002	66,880
Duplin	255,988	7,650	112,244	219	275,134	63,738	160,527
Durham	1,207,631	339,247	568,351	443,614	325,752	26,648	1,328,995
Edgecombe	-	181,900	39,412	79,785	140,696	45,911	57,415
Forsyth	898,785	952,404	191,852	485,340	751,249	2,747	1,729,640

Franklin	-	-	218,349	159,291	119,855	42,358	78,831
Gaston	785,352	119,809	518,949	514,373	126,231	47,876	480,438
Gates	-	-	53,684	14,088	17,533	15,330	18,851
Graham	-	-	37,597	10,859	12,374	1,984	14,615
Granville	306,907	-	37,710	181,744	90,200	69,210	115,802
Greene	33,744	-	-	74,436	72,290	16,738	50,753
Guilford	2,396,110	803,910	783,956	1,145,024	399,509	41,074	1,325,967
Halifax	373,967	-	59,005	93,794	102,718	14,832	95,925
Harnett	206,488	-	382,663	203,750	239,615	102,805	310,122
Haywood	474,298	121,723	169,502	130,669	52,806	13,171	137,718
Henderson	362,212	-	264,441	189,807	161,028	17,958	312,185
Hertford	-	-	15,017	42,718	89,959	18,541	44,729
Hoke	-	-	121,121	111,157	84,009	44,721	62,071
Hyde	-	-	-	20,773	20,219	6,175	5,031
Iredell	1,077,449	-	172,297	262,482	332,080	111,326	363,104
Jackson	-	9,945	300,869	151,325	29,410	16,303	79,396
Johnston	958,729	139,178	322,003	578,364	356,809	47,796	456,434
Jones	-	39,512	94,488	9,583	68,819	11,006	16,981
Lee	-	277,308	200,074	103,493	71,551	28,996	86,800
Lenoir	5,508	27,343	275,298	69,370	157,094	34,691	129,242
Lincoln	-	132,119	292,283	146,641	84,840	73,569	198,807
Macon	-	24,224	129,937	78,702	60,238	18,110	68,372
Madison	73,952	-	30,587	55,869	46,486	17,342	39,488
Martin	-	-	151,991	43,412	63,466	16,030	59,145
McDowell	317,192	-	110,412	53,357	139,854	28,284	63,854
Mecklenburg	5,062,395	238,604	2,097,948	1,782,261	828,587	140,063	5,021,795
Mitchell	-	-	33,846	4,663	58,046	5,358	46,186
Montgomery	119,843	-	-	75,299	78,671	10,179	58,086
Moore	-	49,316	237,941	346,396	148,278	60,551	163,743
Nash	437,485	399,540	201,221	175,860	220,736	122,300	129,182
New Hanover	184,553	114,225	925,646	306,294	111,287	20,384	373,395
Northampton	101,873	-	67,372	23,524	55,507	17,167	33,122
Onslow	-	122,272	685,398	362,853	183,062	47,396	340,000
Orange	815,943	126,217	117,600	290,721	141,151	84,162	241,282
Pamlico	-	-	-	61,610	52,062	13,503	29,714
Pasquotank	-	43,352	126,070	68,798	34,333	33,510	56,999
Pender	265,444	-	258,356	150,424	165,458	43,594	97,534
Perquimans	-	-	98,151	-	12,758	35,773	30,593
Person	-	-	99,642	47,467	64,760	47,465	104,488
Pitt	111,066	91,184	441,404	401,735	324,625	44,629	203,612
Polk	188,994	86,052	-	-	58,276	22,662	43,604

Randolph	559,308	127,372	274,899	182,038	210,538	58,909	272,649
Richmond	51,380	115,402	204,459	44,076	63,366	4,139	91,741
Robeson	756,016	112,692	66,297	192,845	394,636	128,111	285,210
Rockingham	15,957	143,588	293,840	229,522	52,402	74,040	173,078
Rowan	647,404	-	232,031	231,215	221,260	99,401	321,671
Rutherford	-	121,802	76,023	142,204	70,385	45,455	208,549
Sampson	169,893	18,605	138,076	203,326	124,736	83,247	168,514
Scotland	-	150,324	81,070	61,840	60,664	26,506	76,321
Stanly	-	-	150,776	151,132	138,101	36,183	116,955
Stokes	-	84,664	-	105,527	71,793	27,127	92,906
Surry	370,073	122,985	60,595	194,748	140,211	63,236	212,329
Swain	-	35,351	24,566	52,816	56,733	2,750	40,126
Transylvania	-	-	72,873	100,876	60,246	12,835	47,357
Tyrrell	-	15,710	39,712	-	9,910	3,310	10,594
Union	-	-	486,728	450,728	485,181	125,604	363,879
Vance	158,172	25,121	79,634	39,034	96,327	31,500	62,986
Wake	3,317,689	732,809	2,105,215	2,377,433	1,236,594	5,578	3,762,340
Warren	82,734	-	35,642	-	68,581	8,096	72,387
Washington	-	44,555	35,066	-	51,839	11,065	23,638
Watauga	-	-	294,500	52,819	57,309	5,945	176,406
Wayne	218,862	95,851	213,283	253,650	207,317	65,752	213,933
Wilkes	-	124,080	135,191	117,750	123,462	55,983	164,555
Wilson	446,985	52,037	201,681	157,836	103,701	39,863	103,387
Yadkin	162,836	159,370	-	84,276	33,277	66,870	90,729
Yancey	-	-	92,894	9,720	34,569	10,925	44,349
Total	29,422,413	8,559,895	22,735,167	20,273,490	15,040,457	3,863,775	27,141,995

(Source: County by FC VMT)

Additional Resources

NCDOT Traffic Survey Group website is <https://connect.ncdot.gov/resources/State-Mapping/Pages/Traffic-Survey-Group.aspx>

To view extended AVMT history table and other data publications, visit the Traffic Survey Group website

<https://connect.ncdot.gov/resources/State-Mapping/Pages/Traffic-Volume-Maps.aspx>

To view how VMT is trending to date or view the statistics generated in the federal monthly Traffic Volume Trends (TVT) report, visit the Federal Highway Administration's (FHWA's) Travel Monitoring website

https://www.fhwa.dot.gov/policyinformation/travel_monitoring/tvt.cfm

Future year VMT estimates are generated based on the updated trend formulas and can be viewed here at

https://www.fhwa.dot.gov/policyinformation/tables/vmt/vmt_forecast_sum.cfm

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https://apps.ncdot.gov/ContactUS/Home/PostComment?Unit=Traff_Surv