

NORTH DAKOTA 2017 TRAFFIC REPORT



**North Dakota Department of Transportation
Planning and Asset Management Division
Traffic Data Section**

June 2018

NORTH DAKOTA 2017 TRAFFIC REPORT

**Prepared by
NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
BISMARCK, NORTH DAKOTA
www.dot.nd.gov**

**DIRECTOR
Thomas K. Sorel**

**PLANNING AND ASSET MANAGEMENT DIVISION
Scott D. Zainhofsky, P. E., Director**

June 2018

Contents

	<u>Page</u>
Overview	1
History of Traffic and Related Data.....	2
Graph of Traffic and Related Data	4
Twelve Major City Coverage Counts.....	7
ATR Location and Description.....	8
 Maps:	
State Traffic Counting Regions 2017 and after	5
State Traffic Counting Regions from 2012 to 2016	6
ATR Stations Map.....	10
WIM Stations Map	11
National Highway System	12
Traffic Flow Map – Traffic Data 2017.....	13
AADT Map	14
Truck AADT Map	15
Equivalent Single Axle Loads Map	16
Sugar Beet Production and Truck Routes	17
 ATR Data:	
AADT Trends at Each Station	18
Truck Trends at Each ATR Station	20
 Total Traffic Variations:	
Hourly.....	22

Daily	28
Monthly.....	29
Seasonal	31

Truck Traffic Variations:

Daily	32
Monthly.....	33
Seasonal	34

Peak Hour, Design Hour and Directional Distribution at ATR Stations.....	35
--	----

Vehicle Miles Estimates:

Miles Traveled Versus Miles of Road Served.....	41
Summary of Existing Mileage for Rural and Urban Roads.....	43
Annual VMT for the 12 Major Cities	44
Rural Annual VMT by Functional Class	45
Annual Vehicle Miles Travel by County	46
2017 Rural Annual VMT Map.....	47
2017 Total Annual VMT Map	48
Statewide VMT.....	49
VMT for Interstate	52

Border Crossings Summary.....	55
-------------------------------	----

Total Auto Volume Entering from Canada Map	56
--	----

Total Truck Volume Entering from Canada Map	57
---	----

OVERVIEW

This report contains summaries of data obtained from studies conducted in 2017 by the North Dakota Department of Transportation (NDDOT) Planning and Asset Management Division. This Division is responsible for the collection and analysis of traffic data in North Dakota. Traffic data collection has been conducted in North Dakota since 1936. The NDDOT compiled and presented this information as an annual report starting in 1963. Due to the continuing demand for this information, the annual report has continued to ensure that this information is readily available.

Included maps, graphs, and tabulations illustrate annual average daily traffic (AADT). They also illustrate percentage of travel by hour, month, and season and illustrate estimates of annual vehicle miles traveled (VMT) by highway system. The data was obtained from the following sources:

1. Automatic traffic recorders (ATRs) continuously record hourly volumes of traffic throughout the year. A list of 78 ATR stations with their locations are presented on pages 8 and 9. The counter locations are shown on the map on page 10.
2. Short-term traffic counts were obtained with portable equipment. Short term counts were obtained at approximately 2300 locations on various highways, roads, and streets primarily in the western third of the state along with all Interstates statewide.
3. Weigh-In-Motion (WIM) sensors continuously record the class and weight of trucks. A list of 16 WIM stations can be found on page 8 while their locations can be found on page 11.

Only basic information of general interest is included with this report. More detailed information is available and can be obtained on our website or by contacting the Traffic Data Section of the Planning and Asset Management Division of the NDDOT, 608 East Boulevard Avenue, Bismarck, ND 58505-0700, (701) 328-3458.

Maps with all of our traffic counts can be accessed on the NDDOT website by entering the following URL address:

<https://www.dot.nd.gov/business/maps-portal.htm#trafficcountsstateandcity>

If you want to see all the counts done in the state for the past several years, click the link for **Interactive Transportation Information Map**.

HISTORY OF TRAFFIC AND RELATED DATA

YEAR	POPULATION (1000'S)	VEHICLE REGISTRATIONS (REG.) (1000'S)	PERSONS PER VEHICLE REG.	GALLONS OF GAS AND FUEL TAXED (MILLIONS)	VEHICLE REG. PER 100 PERSONS	ANNUAL MILES PER VEHICLE	ANNUAL MILES TRAVELED PER CAPITA	ANNUAL VEHICLE MILES (MILLIONS)
1951	608	284	2.14	146	46.70	-	-	-
1952	613	285	2.15	152	46.50	-	-	-
1953	619	293	2.11	159	47.30	7,850	3,716	2,300
1954	623	300	2.08	164	48.20	7,840	3,775	2,352
1955	628	309	2.03	171	49.20	7,625	3,752	2,356
1956	629	311	2.02	174	49.40	7,958	3,935	2,475
1957	629	320	1.97	193	50.90	8,259	4,202	2,643
1958	620	329	1.88	204	53.10	8,544	4,534	2,811
1959	627	339	1.85	197	54.10	8,788	4,751	2,979
1960	632	345	1.83	210	54.60	8,925	4,872	3,079
1961	640	349	1.83	198	54.50	9,037	4,928	3,154
1962	642	358	1.79	212	55.80	9,014	5,026	3,227
1963	634	375	1.69	236	59.10	8,813	5,213	3,305
1964	645	385	1.68	248	59.70	8,834	5,273	3,401
1965	652	396	1.65	257	60.70	8,684	5,275	3,439
1966	650	406	1.60	253	62.50	8,562	5,348	3,476
1967	631	405	1.56	259	64.20	8,504	5,458	3,444
1968	627	414	1.51	274	66.00	8,572	5,660	3,549
1969	615	420	1.46	279	68.30	8,700	5,941	3,654
1970	618	428	1.44	302	69.30	8,895	6,160	3,807
1971	625	444	1.41	321	71.00	8,908	6,328	3,955
1972	632	464	1.36	347	73.40	8,871	6,513	4,116
1973	640	490	1.31	370	76.60	8,776	6,719	4,300
1974	637	527	1.21	353	82.70	8,294	6,862	4,371
1975	638	551	1.16	377	86.40	8,171	7,056	4,502
1976	640	563	1.14	414	88.00	8,495	7,473	4,783
1977	643	580	1.11	422	90.20	8,555	7,717	4,962
1978	652	599	1.09	444	91.90	8,826	8,109	5,287
1979	657	617	1.06	440	93.90	8,483	7,967	5,234
1980	653	627	1.04	414	96.00	8,440	8,104	5,292
1981	653	641	1.02	427	98.20	8,496	8,340	5,446
1982	653	654	1.00	429	100.20	8,228	8,240	5,381
1983	680	666	1.02	427	97.90	8,179	8,010	5,447
1984	686	661	1.04	419	96.40	8,327	8,023	5,504
1985	686	655	1.05	427	95.50	8,518	8,133	5,579

HISTORY OF TRAFFIC AND RELATED DATA

YEAR	POPULATION (1000'S)	VEHICLE		PERSONS	GALLONS OF VEHICLE		ANNUAL	ANNUAL	ANNUAL
		REGISTRATIONS (REG.)	(1000'S)	PER VEHICLE	FUEL TAXED (MILLIONS)	REG. PER 100 PERSONS	MILES PER VEHICLE	MILES TRAVELED PER CAPITA	VEHICLE MILES (MILLIONS)
1986	685	648	1.06	419	94.60	8,694	8,225	5,634	
1987	679	651	1.04	420	95.90	8,800	8,437	5,729	
1988	672	655	1.03	420	97.50	8,855	8,631	5,800	
1989	660	637	1.04	413	96.50	9,257	8,935	5,897	
1990	639	630	1.01	413	98.60	9,456	9,322	5,957	
1991	639	629	1.02	405	98.40	9,537	9,388	5,999	
1992	639	655	0.98	426	102.50	9,321	9,554	6,105	
1993	635	662	0.96	439	104.30	9,371	9,770	6,204	
1994	638	671	0.95	456	105.20	9,520	10,013	6,388	
1995	641	680	0.94	459	105.90	9,639	10,211	6,546	
1996	643	679	0.94	472	105.60	9,966	10,524	6,767	
1997	638	680	0.93	504	106.60	10,209	10,883	6,942	
1998	638	672	0.95	501	105.30	10,555	11,118	7,093	
1999	634	704	0.90	503	111.00	10,086	11,200	7,101	
2000	642	715	0.89	490	111.40	9,875	10,998	7,061	
2001	634	735	0.86	497	115.90	9,638	11,174	7,084	
2002	634	723	0.88	505	138.80	8,063	11,191	7,095	
2003	634	711	0.89	513	112.20	10,253	11,500	7,290	
2004	634	729	0.87	521	114.98	10,204	11,733	7,439	
2005	637	719	0.89	511	112.87	10,352	11,684	7,443	
2006	636	743	0.86	514	116.82	10,315	12,050	7,664	
2007	640	753	0.85	524	117.66	10,177	11,973	7,663	
2008	641	764	0.84	539	119.19	9,958	11,869	7,608	
2009	647	774	0.84	556	119.63	10,262	12,277	7,943	
2010	673	791	0.85	614	117.53	10,497	12,337	8,303	
2011	684	808	0.85	709	118.13	11,344	13,401	9,166	
2012	700	846	0.83	812	120.86	11,930	14,419	10,093	
2013	723	870	0.83	824	120.33	11,609	13,970	10,100	
2014	739	899	0.82	879	121.65	11,610	14,123	10,437	
2015	756	918	0.82	834	121.43	10,979	13,332	10,079	
2016	758	908	0.83	740*	119.79	10,727	12,850	9,740	
2017	755	921	0.82	750	121.99	10,535	12,852	9,703	

FUEL TAXED INCLUDES GALLONS OF GAS FOR OTHER THAN MOTOR VEHICLES

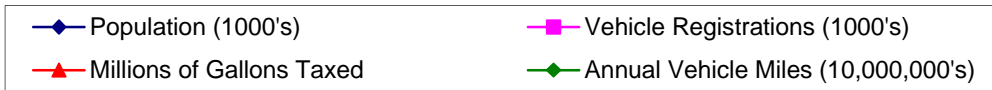
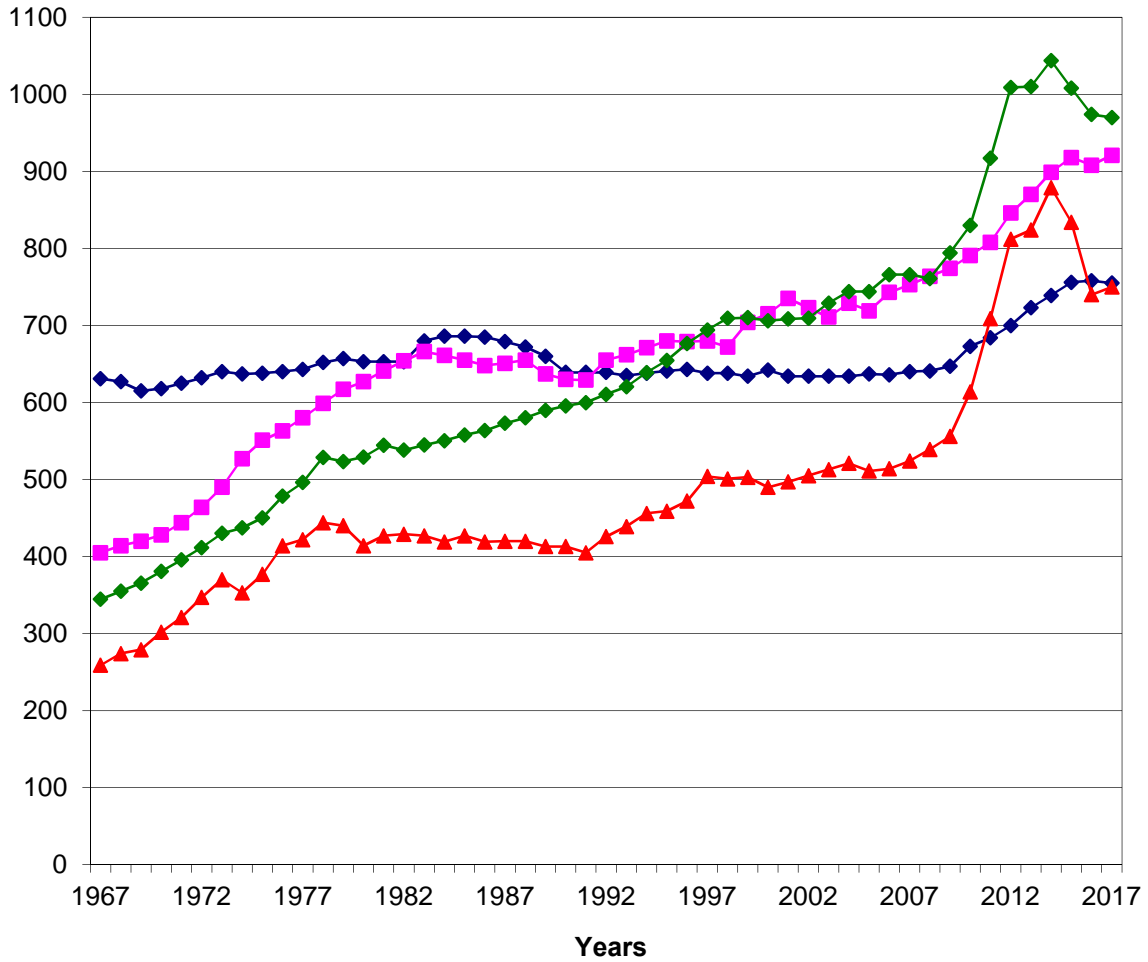
Annual Vehicle Miles figures are for all roads in the state including trails and unimproved roads

The number of vehicle registrations in a given year will exceed the total number of vehicles in the state because a vehicle may be registered more than once if there was a change in ownership.

*2016 Gallons of Gas and Fuel Taxed (Millions) were revised by the ND Tax Department

Traffic and Related Trends

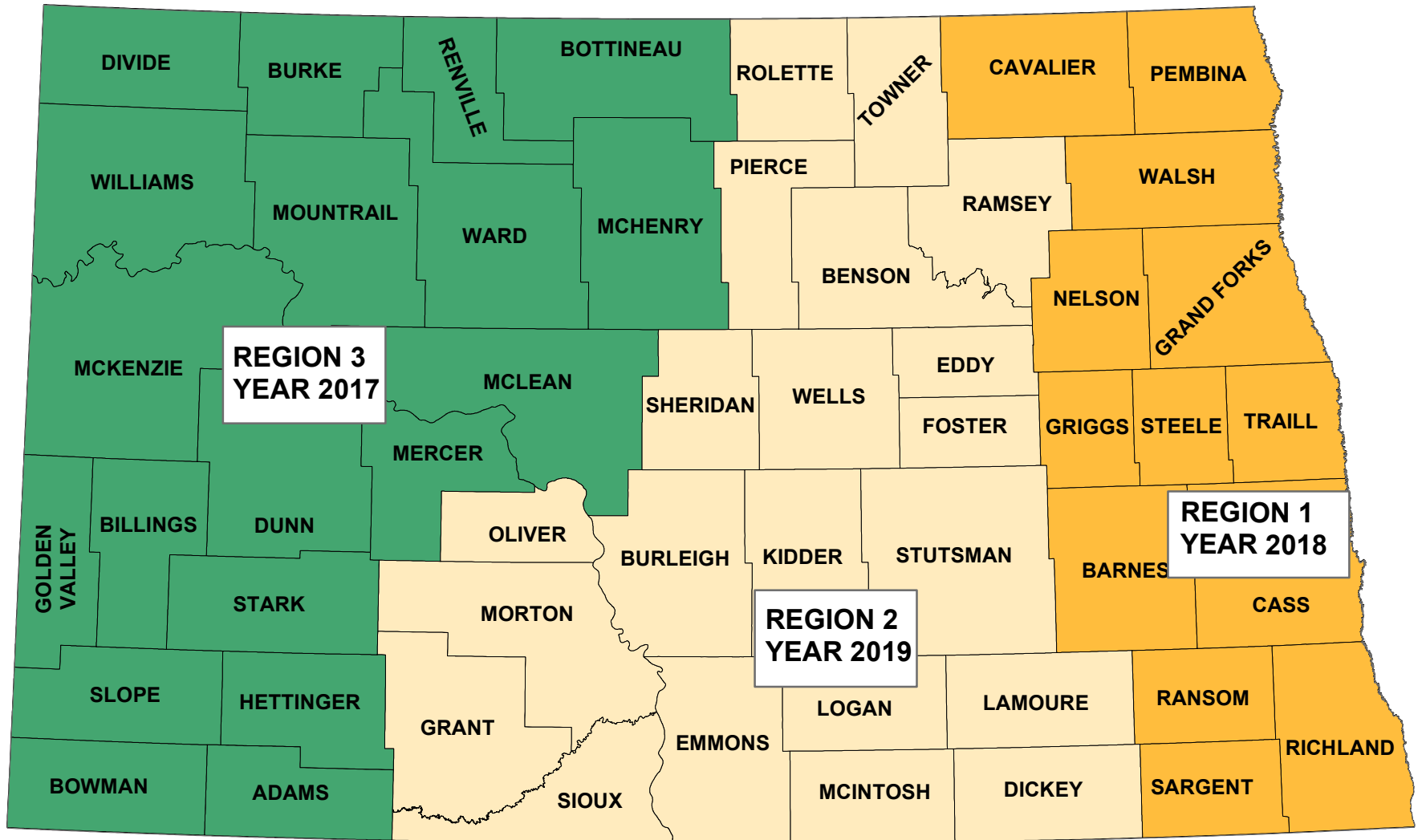
For the Years 1967 - 2017



North Dakota Department of Transportation Current Traffic Counting Cycle



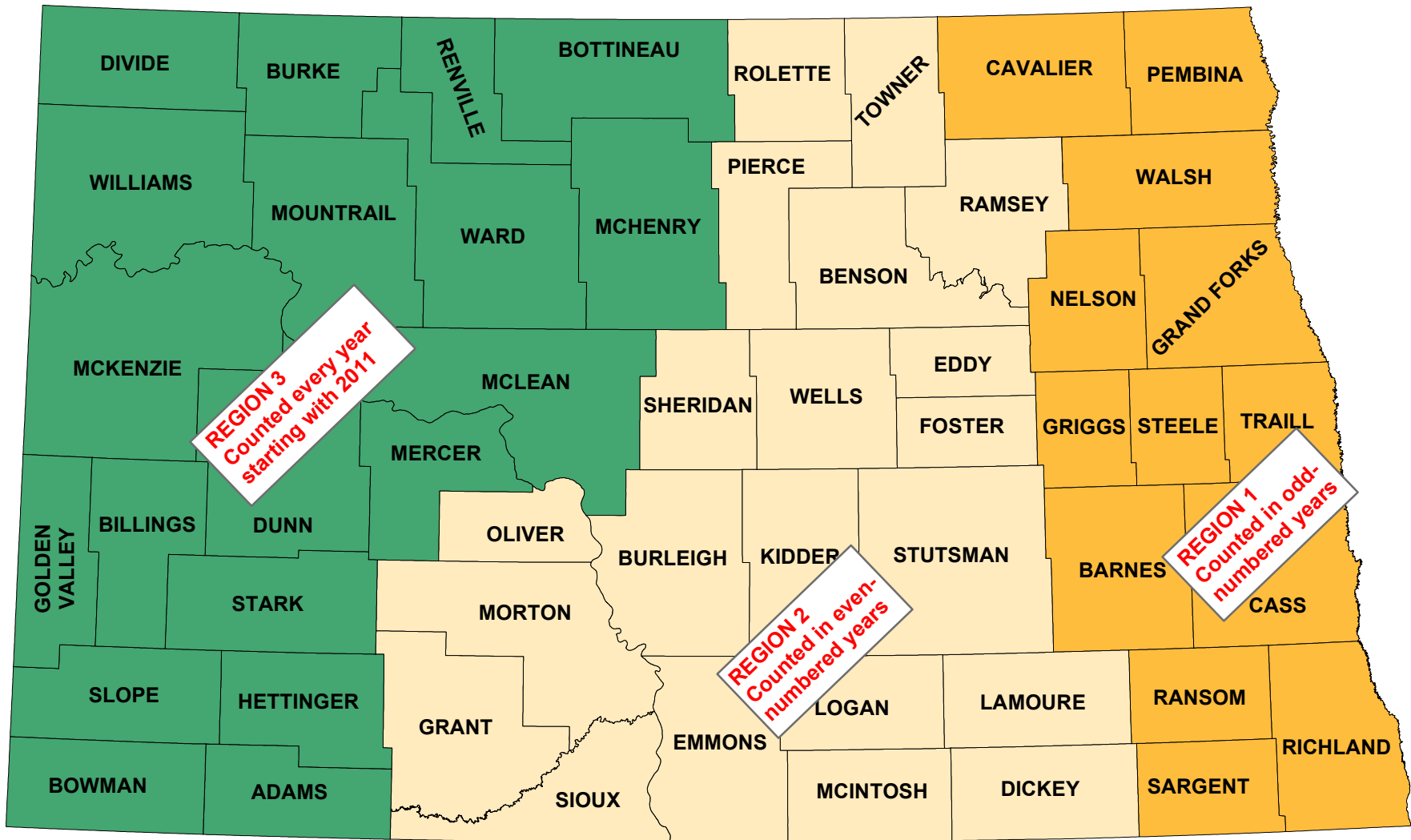
Region 3 and one other region per year were counted from 2012 to 2016.
One region is counted per year starting in 2017. Region 3 is no longer counted every year.



(5)

North Dakota Department of Transportation Prior Traffic Counting Cycle 2012-2016

Region 3 is counted every year whereas the other two regions are only counted every two years.
We started counting two regions per year in 2012 and stopped in 2016.



Planning & Asset Management Division
Traffic Data Section
City Traffic Counts

CITY	YEAR COUNTED	YEAR TO COUNT
Fargo	2015	2018
West Fargo	2015	2018
Wahpeton	2015	2018
Valley City	2015	2018
Grand Forks	2015	2018
Minot*	2016	2020
Dickinson	2017	2020
Williston	2017	2020
Bismarck	2016	2019
Mandan	2016	2019
Devils Lake	2016	2019
Jamestown	2016	2019

*State Highways and Arterials will be counted in 2019, full count will be done in 2020

**NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
ATR LOCATIONS**

WIM locations are highlighted yellow

STATION	NAME	HIGHWAY	REF POINT	OFF SET	TYPE	LOCATION
URBAN INTERSTATE 94						
7	WEST FARGO	94	347.000	0.5200	Weight	I-94 WEST OF 45 STREET
217	FARGO (U)	94	352.000	0.3327	Class	RED RIVER BRIDGE
283	BISMARCK (U)	94	158.000	0.8538	Class	0.4 MILES WEST OF US 83 INT.
RURAL INTERSTATE 94						
1	BELFIELD	94	34.000	0.7000	Weight	I-94 EB ONLY - 7 MILES WEST OF BELFIELD
14	APPLE CREEK EAST	94	165.000	0.0000	Weight	3.5 MILES EAST OF BISMARCK
15	APPLE CREEK WEST	94	169.000	0.8000	Weight	8.3 MILES EAST OF BISMARCK
207	MEDINA	94	231.000	0.2923	Class	0.9 MILES EAST OF MEDINA
223	NEW SALEM	94	126.000	0.8803	Class	0.8 MILES WEST OF ND 31 INT.
245	TOWER CITY	94	312.000	0.5100	Class	2.3 MILES WEST OF BUFFALO INT.
279	PAINTED CANYON	94	34.000	0.6637	Class	7.8 MILES WEST OF US 85 INT.
URBAN INTERSTATE 29						
235	FARGO (U)	29	66.255	0.5725	Class	NORTH OF 12TH AVE.
RURAL INTERSTATE 29						
4	WAHPETON	29	10.000	0.1000	Weight	HWY 29 - SOUTH OF THE MOORETON SCALE
6	JOLIETTE	29	207.000	0.8700	Weight	I-29 NORTH OF JOLIETTE STATIC SCALE
211	BUXTON	29	112.000	0.8614	Class	4.0 MILES NORTH OF MAYVILLE INT.
243	BOWESMONT	29	196.014	0.5726	Class	0.5 MILES NORTH OF BOWESMONT
265	MOORETON	29	25.000	0.0149	Class	2.5 MILES NORTH OF ND 13
285	DAVENPORT	29	55.000	0.4798	Class	1.3 MILES NORTH OF DAVENPORT INT
RURAL PRINCIPAL ARTERIAL						
2	BOWMAN	85	12.000	0.2000	Weight	HWY 85 - 4 MILES SOUTH OF BOWMAN
3	ELLENDALE	281	1.000	0.9000	Weight	HWY 281 - 2 MILES SOUTH OF ELLENDALE
5	WILLISTON	2	13.000	0.4400	Weight	HWY 2 - WEST OF WILLISTON STATIC SCALE
8	PORTAL	52	3.000	0.3700	Weight	HWY 52 EB LANE ONLY - SOUTH OF PORTAL
9	WASHBURN	83	120.000	0.6600	Weight	US 83 NB/SB 6 MILES SOUTH OF WASHBURN
10	DEVILS LAKE	2	263.000	0.5000	Weight	HWY 2 EB ONLY - WEST OF DEVILS LAKE
11	WATFORD CITY	85	137.000	0.2800	Weight	HWY 85 NB/SB - SOUTH OF WATFORD CITY
12	BUCHANAN	52	248.000	0.6100	Weight	HWY 52 EB/WB LANES - NORTH OF BUCHANAN
13	LANGDON	5	288.000	0.9950	Weight	10 MILES EAST OF LANGDON
16	PANGER	85	176.000	0.7100	Weight	HWY 85
201	RAY	2	51.000	0.2986	Class	2.1 MILES WEST OF RAY
203	MAX	83	168.000	0.9400	Class	3.3 MILES SOUTH OF ND 53
205	GWINNER	13	337.000	0.2241	Class	2.1 MILES WEST OF ND 32
215	JAMESTOWN	52	259.000	0.5408	Class	2.5 MILES NORTH OF JAMESTOWN
219	MANDAN	6	55.000	0.8718	Class	11.0 MILES SOUTH OF MANDAN
221	FAIRFIELD	85	80.000	0.8850	Class	5.1 MILES NORTH OF I-94
229	COOPERSTOWN	200	345.000	0.2602	Class	4.0 MILES EAST OF COOPERSTOWN
233	FOXHOLM	52	78.000	0.2600	Class	1.5 MILES SOUTHEAST OF FOXHOLM
237	NEKOMA	1	205.000	0.2195	Class	8.5 MILES SOUTH LANGDON
239	NEW TOWN	23	42.000	0.8986	Class	4.7 MILES EAST OF ND 22
241	BOTTINEAU	5	173.000	0.9523	Class	0.2 MILES WEST OF ND 14
251	HAGUE	83	1.000	0.1144	Class	1.1 MILES NORTH OF SOUTH DAKOTA LINE
253	RUGBY	2	207.000	0.3265	Class	3.5 MILES WEST OF ND 3
255	CROSBY	5	28.000	0.7521	Class	6.0 MILES WEST OF CROSBY
257	WILLISTON	2	2.000	0.3979	Class	2.4 MILES EAST OF MONTANA LINE
261	CARRINGTON	281	117.000	0.9013	Class	5.5 MILES NORTH OF JUNCTION WITH HWY 200
271	GOLDEN VALLEY	200	131.000	0.0000	Class	0.7 MILES EAST OF GOLDEN VALLEY
273	NEW LEIPZIG	21	67.000	0.5500	Class	2.1 MILES WEST OF ND 49
281	SAWYER	52	102.000	0.7136	Class	WEST OF SAWYER
297	WILLISTON_NW	85	193.000	0.7000	Class	NW WILLISTON TRUCK RELIEVER ROUTE
303	MICHIGAN	2	296.000	0.6500	Class	4.0 MILES EAST OF ND 1
307	WASHBURN	83	130.000	0.7300	Class	NORTH OF WASHBURN

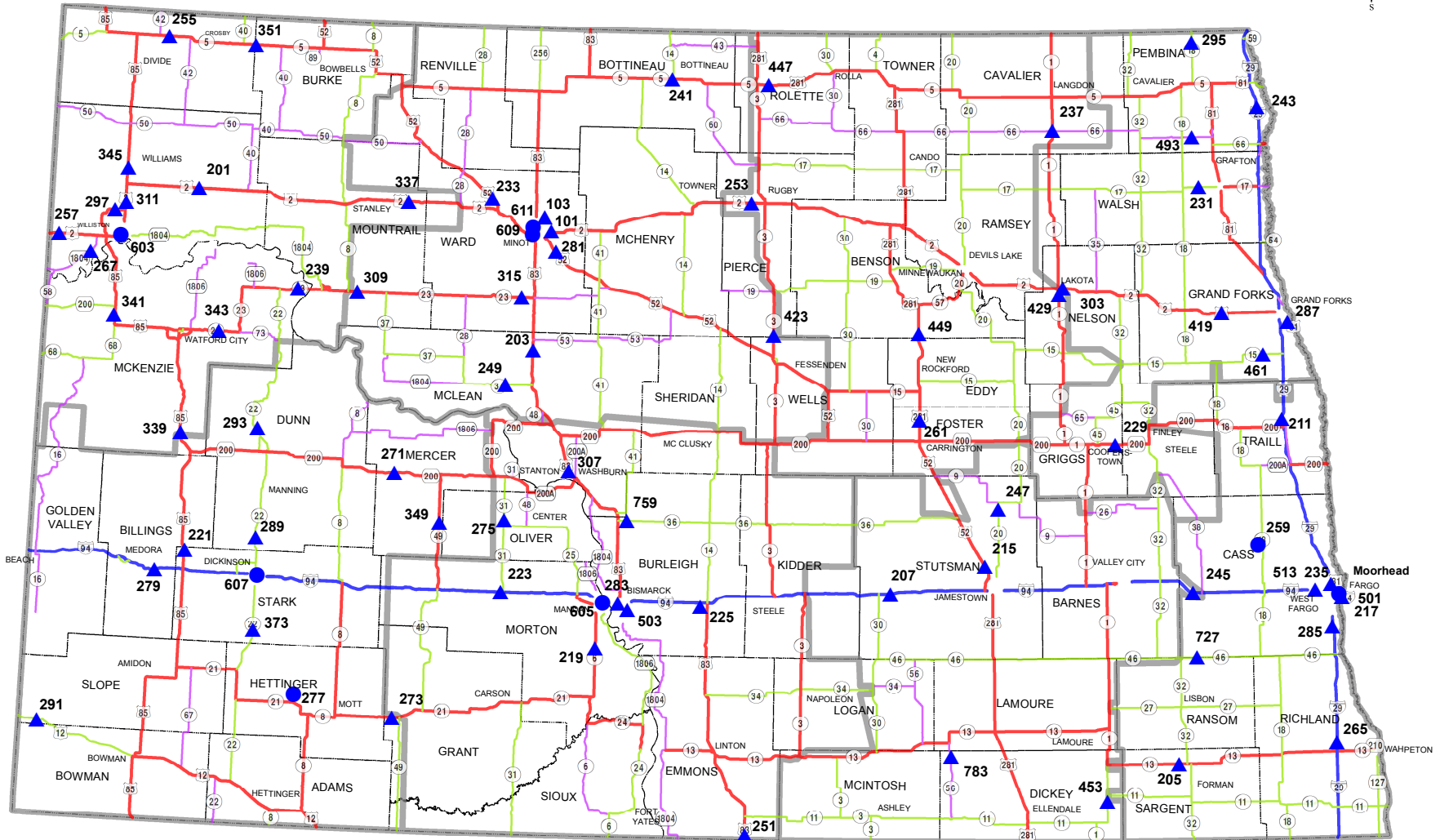
**NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
ATR LOCATIONS**

STATION	NAME	HIGHWAY	REF POINT	OFF SET	TYPE	LOCATION
RURAL PRINCIPAL ARTERIAL						
309	NEWTOWN_EAST	23	58.000	0.7000	Class	8.4 MILES EAST OF NEW TOWN
311	WILLISTON_2N	2	27.000	0.6300	Class	5.2 MILES NORTH OF WILLISTON
315	RYDER_E23__	23	102.000	0.2000	Class	3.3 MILES WEST OF THE JUNCTION WITH US 83
337	BLAISDELL_E2	2	107.000	0.1000	Class	1.0 MILES EAST OF BLAISDELL
339	GRASSY_BUTTE	85	113.000	0.8500	Class	1.3 MILES NORTH OF GRASSY BUTTE
341	ALEXANDER85W	85	162.000	0.2080	Class	1/2 MILE W OF ALEXANDER
343	WATFORD_E23_	23	10.000	0.7000	Class	9.1 MILES EAST OF WATFORD CITY
345	WILLIAMS_N85	85	205.000	0.4800	Class	15.4 MILES NORTH OF WILLISTON
349	BEULAH_S49__	49	91.000	0.7700	Class	10.5 MILES SOUTH OF BEULAH
351	COLUMBUS_W5	5	52.000	0.2000	Class	3.2 MILES EAST OF NOONAN
419	EMERADO_W2	2	340.000	0.5000	Class	2.5 MILES WEST OF EMERADO
423	HARVEY_N3__	3	165.000	0.5600	Class	5.6 MILES NORTH OF HARVEY
429	LAKOTA_S1__	1	160.000	0.3800	Class	1.6 MILES SOUTH OF LAKOTA
447	DUNSEITH_E__	281	250.000	0.2700	Class	2.95 MILES EAST OF DUNSEITH
449	SHEYENNE_N__	281	141.000	0.4800	Class	2.5 MILES NORTH OF SHEYENNE
RURAL MINOR ARTERIAL						
231	GRAFTON	17	122.000	0.1293	Class	5.5 MILES WEST OF GRAFTON
247	COURTENAY	20	20.000	0.4196	Class	1.8 MILES SOUTH OF ND 9
249	GARRISON	37	54.000	0.9548	Class	1.0 MILES WEST OF GARRISON
275	HANNOVER	31	97.000	0.0758	Class	1.2 MILES NORTH OF HANNOVER
289	MANNING	22	81.000	0.5055	Class	SOUTH OF MANNING
291	MARMARTH	12	4.000	0.8670	Class	1.0 MILE WEST OF MARMARTH
293	KILLDEER	22	112.000	0.1350	Class	5.9 MILES NORTH OF KILLDEER
295	NECHE	18	239.000	0.3300	Class	1.2 MILES SOUTH OF NECHE
373	DICKINSON22S	22	57.000	0.2400	Class	11.4 MILES SOUTH OF DICKINSON
453	OAKES_S1____	1	13.000	0.3500	Class	3.0 MILES SOUTH OF OAKES
461	THOMPSON_W15	15	129.000	0.0000	Class	3.4 MILES WEST OF THOMPSON
727	ENDERLIN_E46	46	84.000	0.2000	Class	EAST EDGE OF ENDERLIN
759	WILTON_E36__	36	2.000	0.2600	Class	2.3 MILES SE OF WILTON
RURAL MAJOR COLLECTOR-STATE						
267	TRENTON	1804	329.000	0.8846	Class	1.5 MILES NORTHEAST OF TRENTON
493	ST_THOMAS_W_	66	117.000	0.4000	Class	5.7 MILES WEST OF ST. THOMAS
783	KULM_S56____	56	14.000	0.5800	Class	4.7 MILES SOUTH OF KULM
RURAL MAJOR COLLECTOR-COUNTY						
101	MINOT55ST_NE	5145 C	0.000	0.3000	Class	CMC 5145 - 0.3 MILES NORTH OF US2
103	MINOT46AV_NE	5138 C	8.000	0.2000	Class	CMC 5138 - 2.1 MILES EAST OF US 83
225	STERLING	836 C	14.000	0.2100	Class	CMC 0836 - 1.9 MILES WEST OF US 83
259	AYR				Volume	CMC 0918 - 12.0 MILES EAST OF AYR
277	REGENT				Volume	CMC 2117 - 2.0 MILES NORTH OF ND 21
URBAN PRINCIPAL ARTERIAL						
287	GRAND FORKS	81 B	942.000	0.4092	Class	S. WASHINGTON BETWEEN 24 AND 28 AVE. S.
501	FARGO (U)	81 B	925.000	0.3888	Volume	UNIVERSITY AVE. BET 15 AND 15 1/2 AVE.
503	BISMARCK (U)	810	5.000	0.5750	Class	BIS. EXPWY. SOUTH OF E. MAIN STREET
513	WFARGO_MAIN_ (U)	10 B	933.000	0.4400	Class	MAIN ST. WEST OF 15TH ST NW
603	WILLISTON (U)	2 B	900.000	0.6627	Volume	2ND ST. WEST OF 14TH AVE. WEST
605	MANDAN (U)	94 B	917.043	0.0939	Volume	EAST MAIN ST. WEST OF TWIN CITY DRIVE
URBAN MINOR ARTERIAL						
607	DICKINSON (U)				Volume	9TH ST. EAST BET. 2ND AVE. & 3RD AVE. EAST
611	MINOT (U)				Volume	UNIVERSITY AVE. BET 12TH ST. & 13TH ST. NW.
URBAN COLLECTOR AND LOCAL URBAN						
609	MINOT (U)				Volume	16TH AVE BET. 12TH ST SW. & 17TH AVE. SW.

Automatic Traffic Recorder (ATR) Locations



(10)

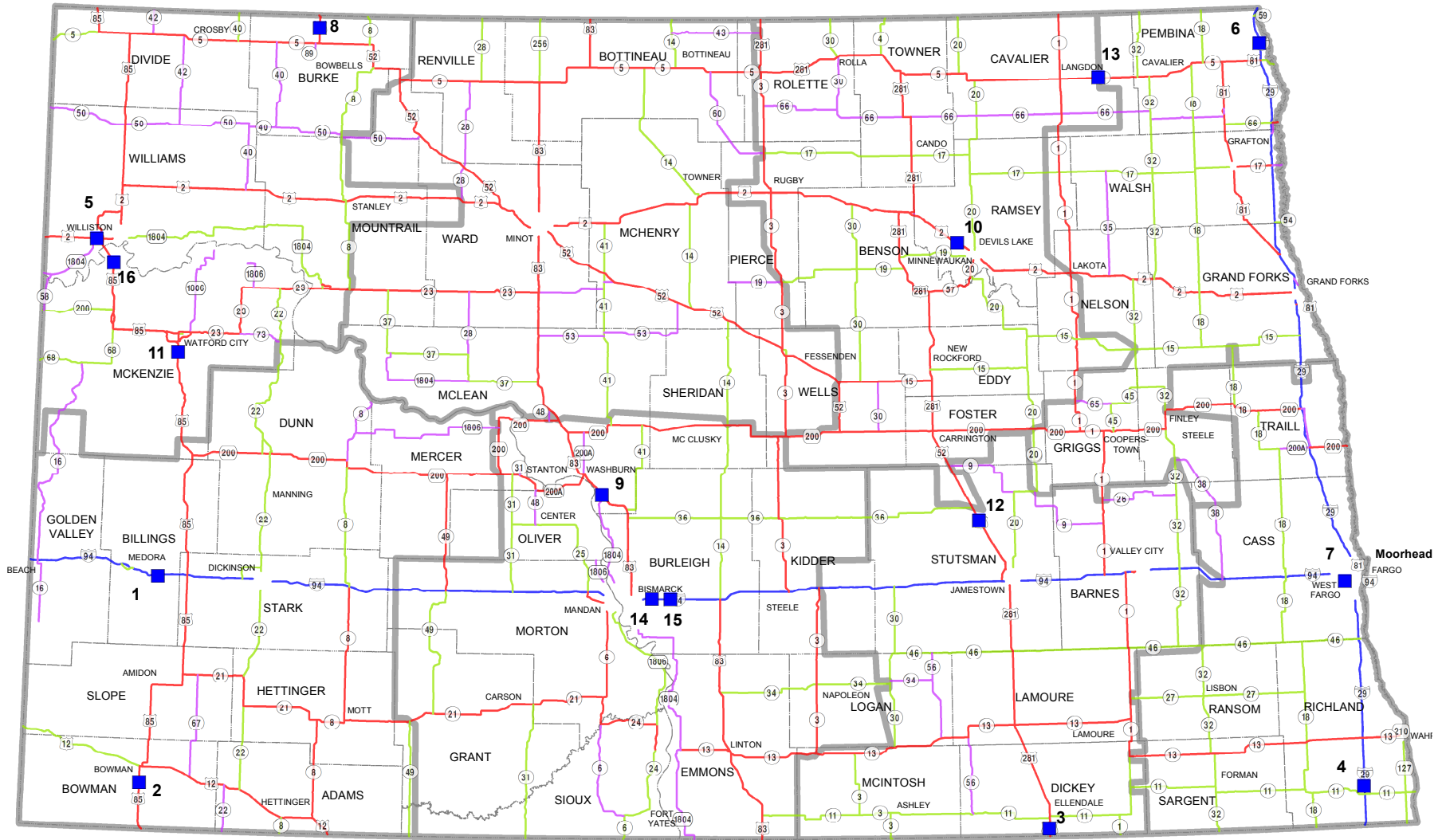


Station Type	Functional Class	Number of ATR Stations
▲ Class	Interstate Rural	8 Rural Interstate
● Volume	Principal Arterial Rural	37 Rural Principal Arterial
	Minor Arterial Rural	13 Rural Minor Arterial
	Major Collector	8 Rural Major Collector
		3 Urban Interstate
		6 Urban Principal Arterial
		2 Urban Minor Arterial
		1 Urban Collector

Planning & Asset Management Division
Traffic Data Section
January 2017

File pathway: F:\PLANNING\REIS\shjeflo\Reports\Annual 2016\ArcMap\ATR Locations_2016M.mxd

Weigh - In - Motion Locations



(11)

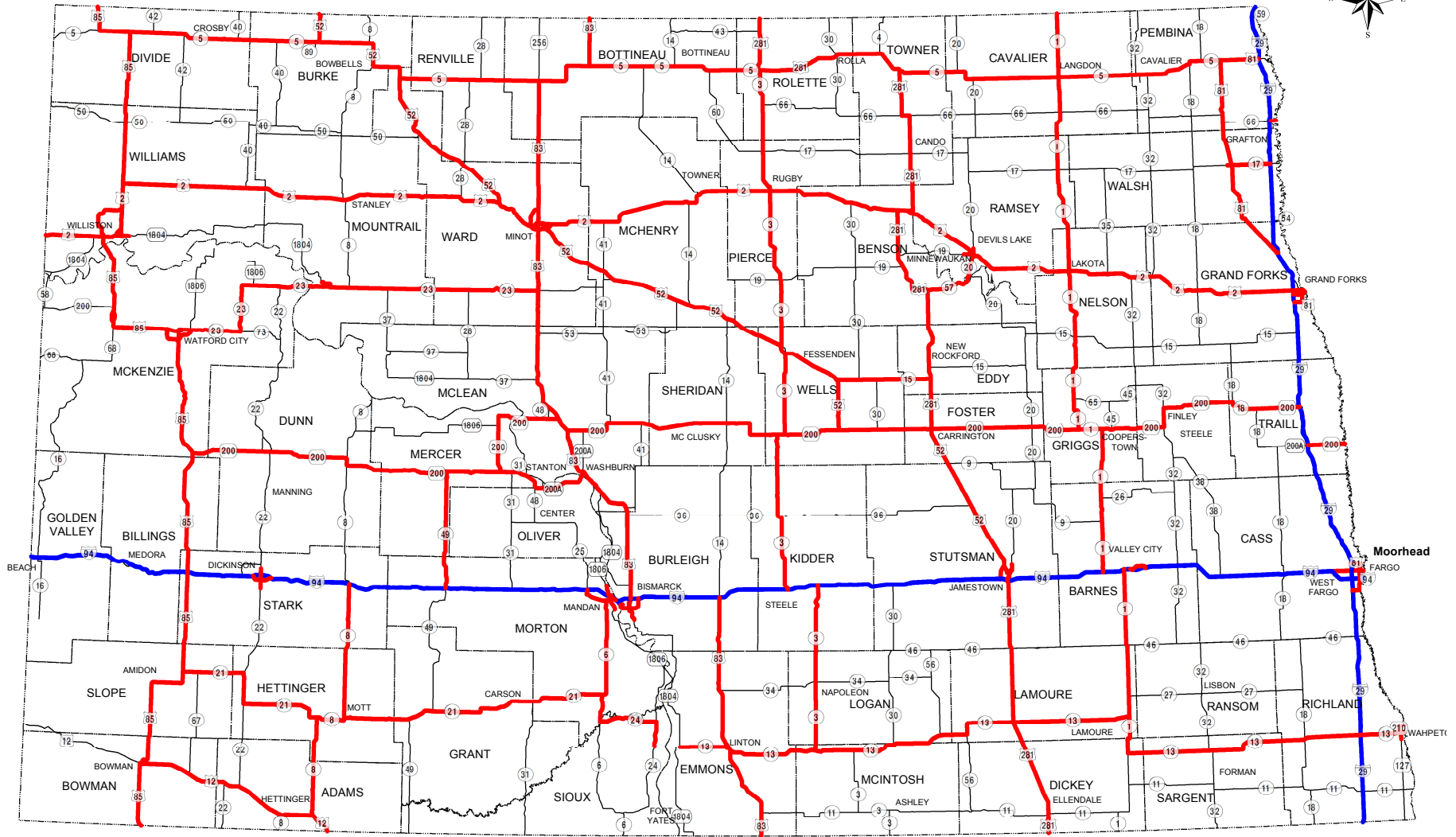
■ WIM Sites

- | | | | |
|---------------|----------------|-------------------|-----------------------|
| 1 - Belfield | 5 - Williston | 9 - Washburn | 13 - Langdon |
| 2 - Bowman | 6 - Joliette | 10 - Devils Lake | 14 - Apple Creek East |
| 3 - Ellendale | 7 - West Fargo | 11 - Watford City | 15 - Apple Creek West |
| 4 - Wahpeton | 8 - Portal | 12 - Jamestown | 16 - Panger |

Planning & Asset Management Division
 Traffic Data Section
 January 2018

File pathway: F:\PLANNING\NREIS\shjeflo\Reports\Annual 2017\ArcMap\WIM Locations 2017.mxd

National Highway System Mileage

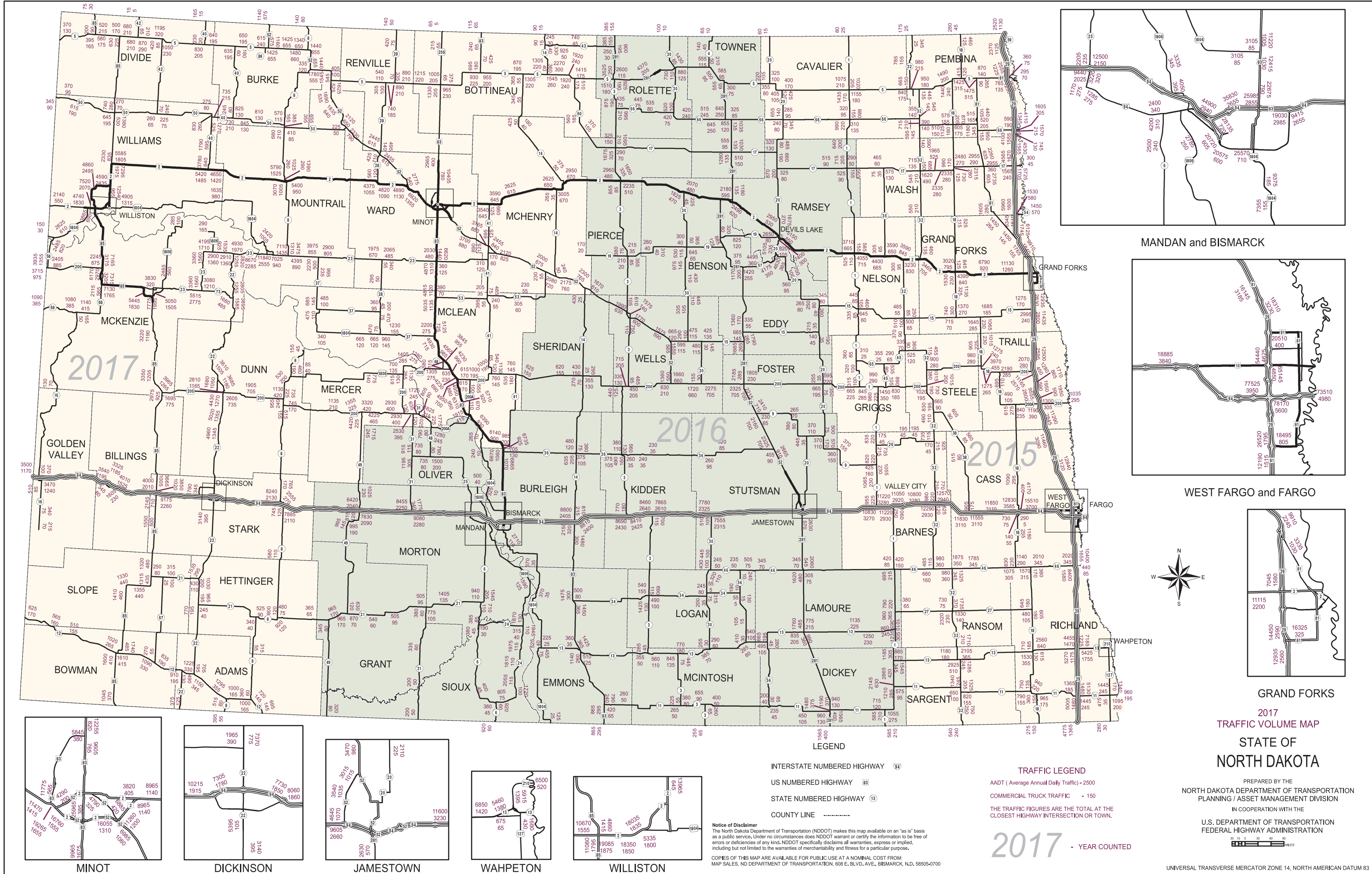


(12)

NHS Mileage

Interstate Rural	516.4
Interstate Urban	54.6
Total	571.0
Principal Arterial Rural	2965.1
Principal Arterial Urban	137.0
Total	3102.1
Total NHS	3728.1

Planning & Asset Management Division
Traffic Data Section
December 2017



2017

2016

2015

- LEGEND**
- INTERSTATE NUMBERED HIGHWAY
 - US NUMBERED HIGHWAY
 - STATE NUMBERED HIGHWAY
 - COUNTY LINE

- TRAFFIC LEGEND**
- AADT (Average Annual Daily Traffic) - 2500
 - COMMERCIAL TRUCK TRAFFIC - 150
 - THE TRAFFIC FIGURES ARE THE TOTAL AT THE CLOSEST HIGHWAY INTERSECTION OR TOWN.

Notice of Disclaimer
 The North Dakota Department of Transportation (NDDOT) makes this map available on an "as is" basis as a public service. Under no circumstances does NDDOT warrant or certify the information to be free of errors or deficiencies of any kind. NDDOT specifically disclaims all warranties, express or implied, including but not limited to the warranties of merchantability and fitness for a particular purpose.
 COPIES OF THIS MAP ARE AVAILABLE FOR PUBLIC USE AT A NOMINAL COST FROM:
 MAP SALES, ND DEPARTMENT OF TRANSPORTATION, 608 E. BLVD. AVE., BISMARCK, N.D., 58505-0700

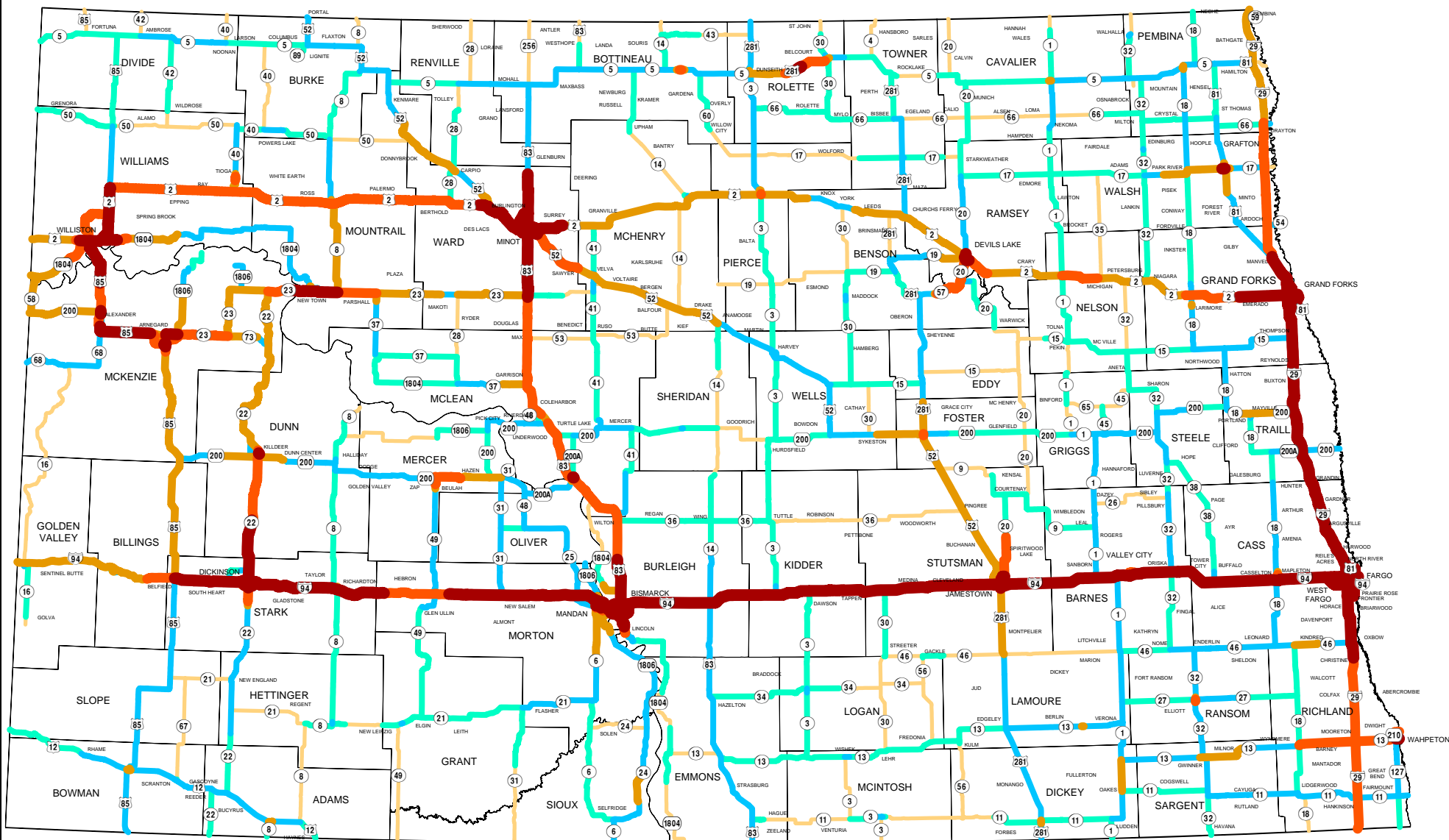
2017 - YEAR COUNTED

2017
 TRAFFIC VOLUME MAP
 STATE OF
 NORTH DAKOTA

PREPARED BY THE
 NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
 PLANNING / ASSET MANAGEMENT DIVISION
 IN COOPERATION WITH THE
 U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION



Annual Average Daily Traffic (2017)



(14)

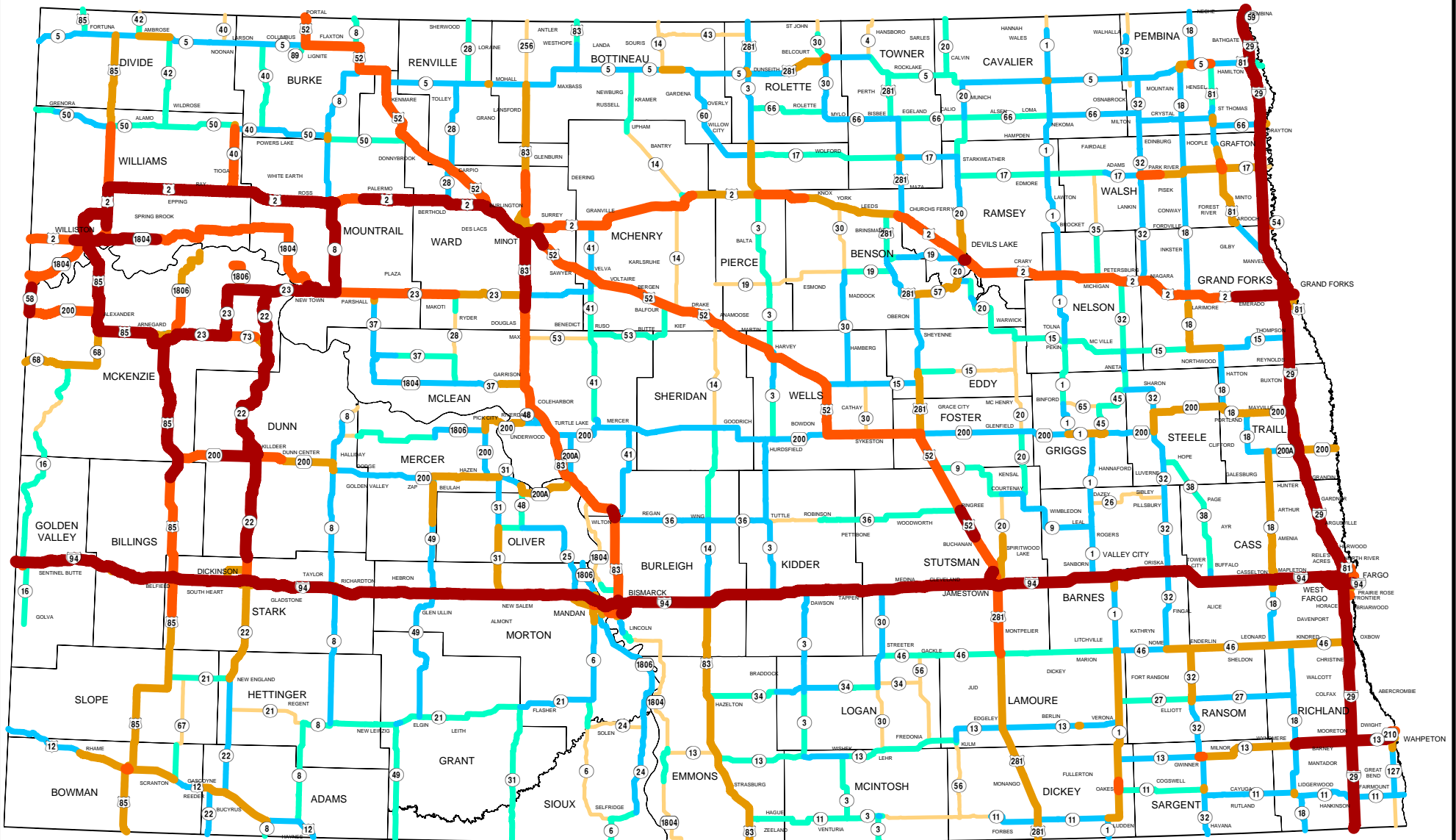
Notes: - Data from 2017 highway components segments.
 - The AADT for longer sections are an average of the traffic segments.
 - Data for the four lane roadways is combined for both directions (either north and south or east and west).

Annual Average Daily Traffic

- 1 - 349
- 350 - 749
- 750 - 1999
- 2000 - 3999
- 4000 - 6999
- 7000 and greater

Planning & Asset Management Division
 Traffic Data Section
 December 2017

Truck Annual Average Daily Traffic (2017)



(15)

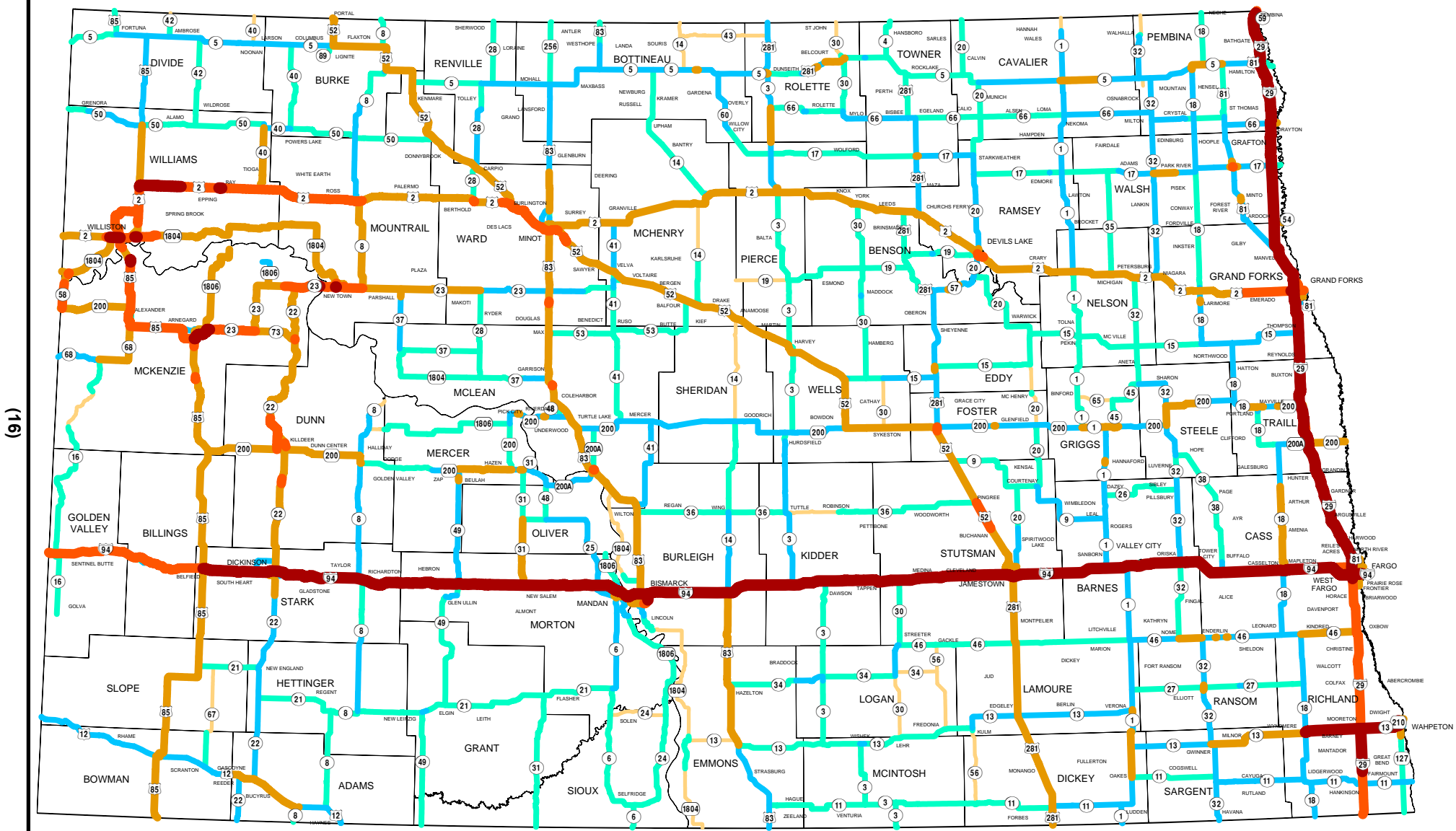
Notes: - Data from 2017 highway components segments.
 - The TAADT for longer sections are an average of the traffic segments.
 - Data for the four lane roadways is combined for both directions (either north and south or east and west).

Truck Annual Average Daily Traffic



Planning & Asset Management Division
 Traffic Data Section
 December 2017

Equivalent Single Axle Loads (ESALs) 2017



(16)

Notes: - Data from 2017 highway components segments.
 - The ESALs for longer sections are an average of the traffic segments.
 - Data for the four lane roadways is combined for both directions (either north and south or east and west).

ESALs

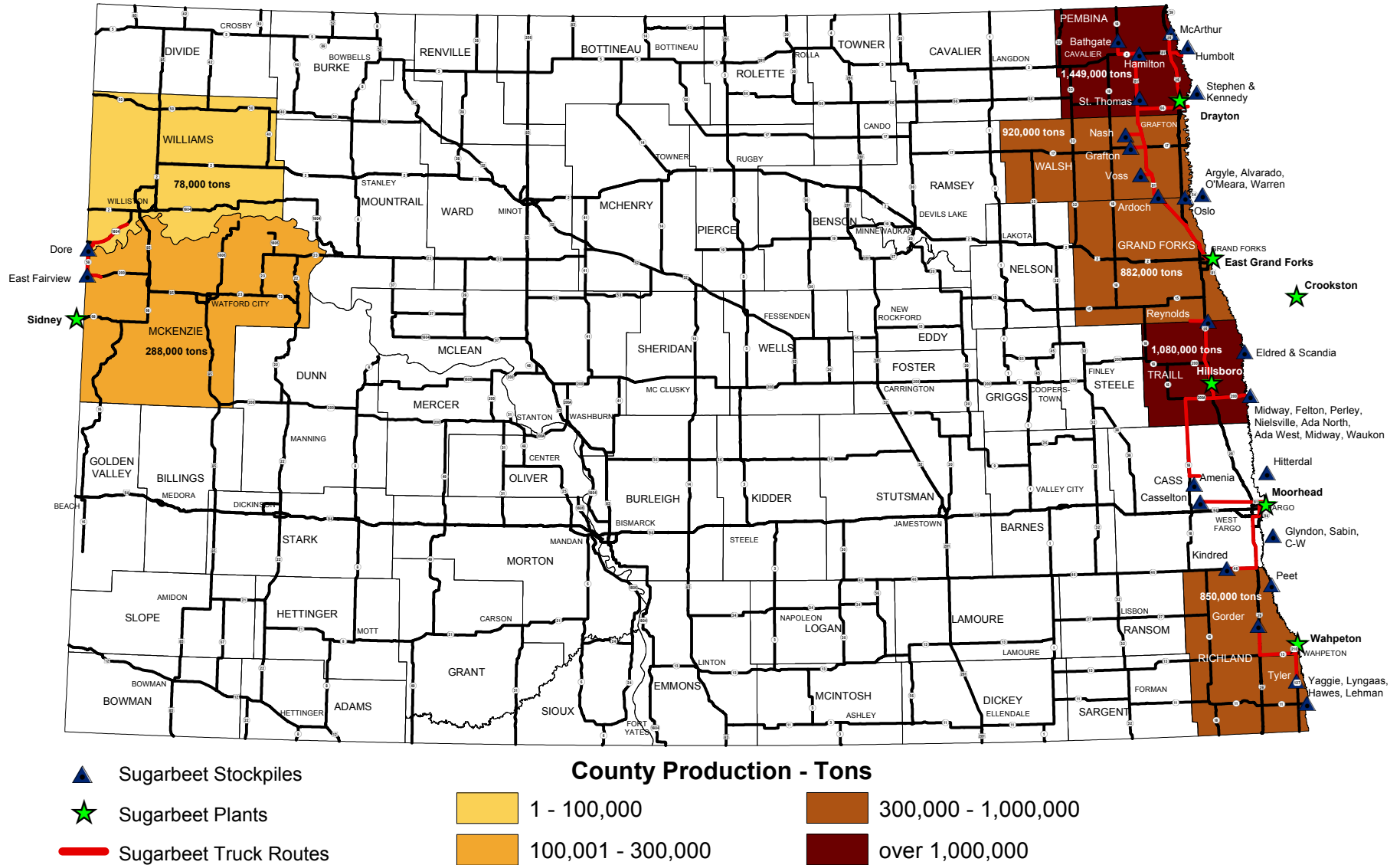
- 1 - 25
- 26 - 99
- 100 - 249
- 250 - 999
- 1000 - 1999
- 2000 and greater

Planning & Asset Management Division
 Traffic Data Section
 December 2017

Sugarbeet Production and Truck Routes

Darker colors indicate higher production and therefore more truck traffic during certain times of the year

Individual production figures for each county are provided on the map



(17)

Data is from the USDA, National Agricultural Statistics Service.
 County production totals are for the 2016 production year because 2017 totals are not yet available.
 The shaded counties were the only counties for which data was available.
 Total production for the state of North Dakota was 6,242,000 tons.



Planning & Asset Management Division
 Traffic Data Section
 December 2017

PERMANENT STATION COMPARISON OF AADT BY YEAR

STATION NUMBER	LOCATION	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2015	2016	2017	% CHANGE 2017/2016	% CHANGE 2017/2007	% CHANGE 2017/1997
URBAN INTERSTATE 94																	
217	FARGO (U)	48388	50450	51514	56852	61012	63051	64436	66026	65677	70183	73191	72116	73505	1.9%	16.6%	51.9%
283	BISMARCK (U)	15656	17704	18584	17590	20144	24770	23589	24611	26937	27738	28891	29629	25986	-12.3%	4.9%	66.0%
	MEAN	32022	34077	35049	37221	40578	43911	44013	45319	46307	48961	51041	50873	49746	-5.2%	10.7%	58.9%
RURAL INTERSTATE 94																	
207	MEDINA	5884	6326	6644	7210	6778	6941	7048	8512	8593	8598	8825	8732	8551	-2.1%	23.2%	45.3%
223	NEW SALEM	5294			5950	6034	6252	6595	7655	8731	9320	9831	8726	8456	-3.1%	35.3%	59.7%
245	TOWER CITY	7446		8030	8974	9146	9440	9948	10940	11671	12178	12132	11985	11829	-1.3%	25.3%	58.9%
279	PAINTED CANYON	3268	3404	3656	3688	3608	4086	3654	4395	4851	5067	5760	3865	4487	16.1%	9.8%	37.3%
	MEAN	5473	4865	6110	6456	6392	6680	6811	7876	8462	8791	9137	8327	8331	2.4%	23.4%	50.3%
URBAN INTERSTATE 29																	
235	FARGO (U)	25214			24536	25772	26642	31746	31347	31522	31177	32532	33593	34215	1.9%	28.4%	35.7%
	MEAN	25214			24536	25772	26642	31746	31347	31522	31177	32532	33593	34215	1.9%	28.4%	35.7%
RURAL INTERSTATE 29																	
211	BUXTON			9374	10198	10426	10951	10980	11280	11760	12062	12239	12405	12500	0.8%	14.1%	--
243	BOWESMONT	2686	2920	2974	2896	3074	3662	3442	3582	3759	3776	3332	3248	3338	2.8%	-8.8%	24.3%
265	MOORETON	4992	5390	5078	5636	5962	6059	6078	6414	6572	6807	7002	7092	7181	1.3%	18.5%	43.9%
285	DAVENPORT				9670	10254	10221	10447	10778	11118	11276	11567	11888	12377	4.1%	21.1%	--
	MEAN	3839	4155	5809	7100	7429	7723	7737	8014	8302	8480	8535	8658	8849	2.2%	11.2%	34.1%
RURAL PRINCIPAL ARTERIAL																	
201	RAY	1552	1580	1660	1656	1748	2115	2963	7236	7863	8665	6980	5103	5205	2.0%	146.1%	235.4%
203	MAX	3192	3460	3420	3562	3530	3653	4107	5200	5402	5529	5345	5026	5035	0.2%	37.8%	57.7%
205	GWINNER	1038	1108	1076	1124	1266	1200	1066	1193	1096	1203	1227	1176	1178	0.2%	-1.8%	13.5%
209	MINOT	9394													--	--	--
213	LAKOTA	3106													--	--	--
215	JAMESTOWN	2820		2694	2778	2702	2859	2992	3346	3543	3695	3636	3518	3512	-0.2%	22.8%	24.5%
219	MANDAN	1350	1534	1460	1498	1490	1488	1546	1565	1620	1668	1799	2332	2142	-8.1%	44.0%	58.7%
221	FAIRFIELD	1416	1354	1420	1418	1468	1754	1820	3604	4747	4672	4183	3235	3262	0.8%	86.0%	130.4%
229	COOPERSTOWN	912			902	846	819	924	902	884	880	872	855	829	-3.0%	1.2%	-9.1%
233	FOXHOLM	1962	1922	1878	1914	1888	2100	2158	2698	2992	2930	2596	2376	2390	0.6%	13.8%	21.8%
237	NEKOMA	682			780	714	886	781	777	822	868	871	869	878	1.0%	-0.9%	28.7%
239	NEW TOWN	1400	1480	1588	1630	1618	1726	2680	5820	6896	7765	6542	5123	5836	13.9%	238.1%	316.9%
241	BOTTINEAU	986	1038	906	1000	978	1007	1145	1159	1296	1382	1352	1313	1302	-0.8%	29.3%	32.0%
251	HAGUE	628	656	734	734	704	729	782	747	985	909	912	1000	865	-13.5%	18.7%	37.7%
253	RUGBY	2594			2600	2556	2510	2666	2922	3140	3192	3145	3026	2961	-2.1%	18.0%	14.1%
255	CROSBY	536		528	558	540	581	632	1212	1744	1638	1337	994	872	-12.3%	50.1%	62.7%
257	WILLISTON	1206			1192	1204	1265	1206	2586	2991	2958	2478	1875	2140	14.1%	69.2%	77.4%
261	CARRINGTON							1661	1735	1805	1788	1798	1946	1846	-5.1%	--	--
271	GOLDEN VALLEY	682			660	690	713	784	1286	1422	1414	1230	1243	1173	-5.6%	64.5%	72.0%
273	NEW LEIPZIG	374		382	366	352	335	346	360	376	372	407	381	365	-4.2%	9.0%	-2.4%
281	SAWYER			3566	3754	3890	4004	4112	4825	5224	5347	5040	4839	4738	-2.1%	18.3%	--
297	WILLISTON_NW									1514	2257	1936	2924	3907	33.6%	--	--
303	MICHIGAN	3504	3634	3476	3522	3436	3384	3612	4027	4265	4366	4719	4127	4053	-1.8%	19.8%	15.7%
307	WASHBURN	3590		3790	3912	4016	4363	5146	5767	6050	6303	6069	5806	5708	-1.7%	30.8%	59.0%
309	NEWTOWN_EAST										6193	5331	3991	4398	10.2%	--	--
311	WILLISTON_2N									12090	13560	11018	7868	8550	8.7%	--	--
315	RYDER_E23___												2030		--	--	--
337	BLAISDELL_E2												5007	4589	-8.3%	--	--
339	GRASSY_BUTTE										4880	4402	3217	3350	4.1%	--	--
341	ALEXANDER85W											8888	6467	6172	-4.6%	--	--
343	WATFORD_E23_												5031	5518	9.7%	--	--
345	WILLIAMS_N85												2038		--	--	--
349	BEULAH_S49__												1420		--	--	--
351	COLUMBUS_W5												643	592	-7.9%	--	--
419	EMERADO_W2											6788	6721	6792	1.1%	--	--
423	HARVEY_N3___											672	654	621	-5.0%	--	--

PERMANENT STATION COMPARISON OF AADT BY YEAR

STATION NUMBER	LOCATION	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2015	2016	2017	% CHANGE 2017/2016	% CHANGE 2017/2007	% CHANGE 2017/1997
RURAL PRINCIPAL ARTERIAL																	
429	LAKOTA_S1___											608	602	598	-0.7%	--	--
447	DUNSEITH_E__										2499	2605	2604	2602	-0.1%	--	--
449	SHEYENNE_N__												1218	1145	-6.0%	--	--
	MEAN	2044	1777	1905	1778	1782	1875	2054	2808	3425	3728	3493	3033	2990	0.2%	45.7%	65.6%
RURAL MINOR ARTERIAL																	
231	GRAFTON	2472		2550	2654	2670	2469	2541	2507	2523	2429	2561	2538	2461	-3.0%	-0.3%	-0.4%
247	COURTENAY	444		502	476	470	456	463	485	457	451	473	490	446	-9.0%	-2.2%	0.5%
249	GARRISON		1180	1180	1208	1168	1177	1254	1473	1702	1892	1812	1815	1670	-8.0%	41.9%	--
275	HANNOVER	498	568	526	504	502	530	603	604	649	687	746	1091	916	-16.0%	72.8%	83.9%
289	MANNING				1632	1604	1901	2591	4178	5719	6696	5540	4417	4588	3.9%	141.3%	--
291	MARMARTH									803	868	793	698	633	-9.3%	--	--
293	KILLDEER									3861	4615	4231	2989	3612	20.8%	--	--
295	NECHE									449	465	426	404	402	-0.5%	--	--
373	DICKINSON22S												2046	1669	-18.4%	--	--
453	OAKES_S1___													1211	--	--	--
461	THOMPSON_W15											1587	1597	1600	0.2%	--	--
727	ENDERLIN_E46											1893	1826	1875	2.7%	--	--
759	WILTON_E36__											576	585	578	-1.2%	--	--
	MEAN	1138	874	1190	1295	1283	1307	1490	1849	2020	2263	1876	1708	1666	-3.2%	50.7%	28.0%
RURAL MAJOR COLLECTOR - STATE																	
267	TRENTON							2530	4526	5183	5541	5067	4059	3620	-10.8%	--	--
493	ST_THOMAS_W_											644	601	604	0.5%	--	--
783	KULM_S56____											163	196	169	-13.8%	--	--
	MEAN							2530	4526	5183	5541	1958	1619	1464	-8.0%	--	--
RURAL MAJOR COLLECTOR - COUNTY																	
101	MINOT55ST_NE										2525	2655	2557	2634	3.0%	--	--
103	MINOT46AV_NE										1074	1124	1104	1084	-1.8%	--	--
225	STERLING	554			520	484	558	582	587	656	946	834	865	867	0.2%	55.4%	56.5%
259	AYR	258	324	364	372	360	350	363	343	329	327	341	351	352	0.3%	0.6%	36.4%
263	METIGOSHE	450													--	--	--
277	REGENT	284	288	318	294	298	309	317	325	343	356	362	339	310	-8.6%	0.3%	9.2%
	MEAN	387	306	341	395	381	406	421	418	443	1046	1063	1043	1049	-1.4%	18.8%	34.0%
URBAN PRINCIPAL ARTERIAL																	
287	GRAND FORKS				19270	19248	19947	19719	20413	21396	21318	21197	23090	22837	-1.1%	14.5%	--
501	FARGO (U)	26122	23578	25762	25892	26264	24533	25283	24421	24073	26023	25518	25990	26353	1.4%	7.4%	0.9%
503	BISMARCK (U)									12859	13418	14093	14061	13876	-1.3%	--	--
513	WFARGO_MAIN_ (U)												6159	6874	11.6%	--	--
601	BISMARCK (U)		13037	12475	11855	11828	12174	11605							--	--	--
603	WILLISTON (U)		4024	4042	4160	4316	4623	5108	9070	10990	10834	9594	7351	6662	-9.4%	44.1%	--
605	MANDAN (U)				20152	20240	20530	19813	19749	20891	20356	20615	21326	19203	-10.0%	-6.5%	--
	MEAN	26122	13546	14093	16266	16379	16361	16306	18413	18042	18390	18203	16330	15968	-1.5%	14.9%	0.9%
URBAN MINOR ARTERIAL																	
607	DICKINSON (U)		3160	3152	3034	3090	2967	2925	3142	3329	3198	3297	3473	3234	-6.9%	9.0%	--
611	MINOT (U)		2994	2974	2638	2626	2340	2736	3426	2974	2914	2770	2838	2559	-9.8%	9.4%	--
	MEAN		3077	3063	2836	2858	2654	2831	3284	3152	3056	3034	3156	2897	-8.4%	9.2%	--
URBAN COLLECTOR & LOCAL URBAN																	
609	MINOT (U)		1912	2068	2342	2328	2191	2358	2782	2802	2991	2924	2837	2643	-6.8%	20.6%	--
	MEAN		1912	2068	2342	2328	2191	2358	2782	2802	2991	2924	2837	2643	-6.8%	20.6%	--

Missing data is the result of years when a recording station was out of service.

PERMANENT STATION COMPARISON OF TRUCK AADT BY YEAR

STATION NUMBER	LOCATION	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2015	2016	2017	% CHANGE 2017/2016	% CHANGE 2017/2007	% CHANGE 2017/1997
URBAN INTERSTATE																	
217	FARGO (U)		3796	4140	4436	4988	4774	4625	4907	5100	5645	5476	5079	5022	-1.1%	5.2%	--
235	FARGO (U)				2614	2720	2960	2994	3467	3305	3588	3452	3685	3585	-2.7%	21.1%	--
283	BISMARCK (U)		1812	1708	1878	2162	2663	2006	2297	2831	2687	2918	2474	2445	-1.2%	-8.2%	--
	MEAN		2804	2924	2976	3290	3466	3208	3557	3745	3973	3949	3746	3684	-1.7%	6.0%	--
RURAL INTERSTATE																	
207	MEDINA		1448	1586	1578	1646	1756	1674	2052	2132	2246	2136	2271	2355	3.7%	34.1%	--
211	BUXTON			2136	2374	2516	2832	2378	2755	2998	3156	2949	2834	2591	-8.6%	-8.5%	--
223	NEW SALEM				1162	1290	1462	1439	1728	1903	2210	2127	2203	2170	-1.5%	48.4%	--
243	BOWESMONT		1044	1164	1176	1156	1411	1170	1288	1270	1708	1286	1272	1322	3.9%	-6.3%	--
245	TOWER CITY				1796	1974	2156	2144	2549	2759	2981	2944	2856	2899	1.5%	34.5%	--
265	MOORETON		836	716	854	976	1061	1027	1112	1268	1403	1244	1182	1227	3.8%	15.6%	--
279	PAINTED CANYON		654	1006	1040	1036	1405	1097	1351	1711	1566	1632	1391	1552	11.6%	10.5%	--
285	DAVENPORT				1136	1252	1313	1243	1357	1541	1561	1583	1661	1734	4.4%	32.1%	--
	MEAN		996	1322	1390	1481	1675	1522	1774	1948	2104	1988	1959	1981	2.4%	20.0%	--
RURAL PRINCIPAL ARTERIAL																	
201	RAY		260	286	256	310	466	783	2698	2818	3104	2342	1398	1578	12.9%	238.6%	--
203	MAX		492	548	558	512	559	691	925	1026	1028	840	695	716	3.0%	28.1%	--
205	GWINNER			150	154	148	132	105	131	117	164	156	168	177	5.4%	34.1%	--
215	JAMESTOWN			446	474	558	682	689	851	957	1103	1052	765	982	28.4%	44.0%	--
219	MANDAN		166	140	148	142	138	147	143	187	191	201	237	230	-3.0%	66.7%	--
221	FAIRFIELD		280	272	270	294	475	505	1100	1455	1737	1354	951	968	1.8%	103.8%	--
229	COOPERSTOWN													182	--	--	--
233	FOXHOLM		420	390	438	440	531	518	689	755	770	585	526	608	15.6%	14.5%	--
237	NEKOMA				130	116	150	102	144	138	162	159	145	155	6.9%	3.3%	--
239	NEW TOWN		140	132		140	230	678	2458	2958	3204	2607	1619	2058	27.1%	794.8%	--
241	BOTTINEAU		152	176	126	118	142	151	160	184	221	205	193	224	16.1%	57.7%	--
251	HAGUE									316	351	330	345	296	-14.2%	--	--
253	RUGBY				432	418	426	364	466	496	533	496	486	480	-1.2%	12.7%	--
255	CROSBY			146	128	96	130	149	432	795	733	543	381	293	-23.1%	125.4%	--
257	WILLISTON				130	158	175	146	657	941	846	596	364	552	51.6%	215.4%	--
261	CARRINGTON							249	275	306	289	282	314	272	-13.4%	--	--
271	GOLDEN VALLEY						75	95	276	427	349	285	241	212	-12.0%	182.7%	--
273	NEW LEIPZIG			76	66	44	45	54	51	62	64	62	71	68	-4.2%	51.1%	--
281	SAWYER			376	412	486	538	582	838	1021	1054	782	893	945	5.8%	75.7%	--
297	WILLISTON_NW									877	1246	1016	1632	2292	40.4%	--	--
303	MICHIGAN		630	580	570	538	529	535	619	617	647	684	631	713	13.0%	34.8%	--
307	WASHBURN			586	548	548	622	698	907	987	1033	1024	929	918	-1.2%	47.6%	--
309	NEWTOWN_EAST										1845	1334	712	895	25.7%	--	--
311	WILLISTON_2N									5068	5682	4130	2815	2118	-24.8%	--	--
315	RYDER_E23__													486	--	--	--
337	BLAISDELL_E2												1259	1211	-3.8%	--	--
339	GRASSY_BUTTE										1993	1694	1145	1204	5.2%	--	--
341	ALEXANDER85W											4528	3120	2981	-4.5%	--	--
343	WATFORD_E23_												2363	2792	18.2%	--	--
345	WILLIAMS_N85													791	--	--	--
349	BEULAH_S49__													259	--	--	--
351	COLUMBUS_W5												221	192	-13.1%	--	--
419	EMERADO_W2											1007	933	920	-1.4%	--	--
423	HARVEY_N3__											104	100	107	7.0%	--	--
429	LAKOTA_S1__											117	120	115	-4.2%	--	--
447	DUNSEITH_E__										189	162	139	117	-15.8%	--	--
449	SHEYENNE_N__												234	198	-15.4%	--	--
	MEAN		318	307	303	298	336	381	727	1023	1142	989	792	792	3.9%	118.4%	--
RURAL MINOR ARTERIAL																	
231	GRAFTON			228	232	274	228	243	237	225	170	266	286	277	-3.1%	21.5%	--
247	COURTENAY			48	36	40	35	34	44	40	34	39	45	34	-24.4%	-2.9%	--

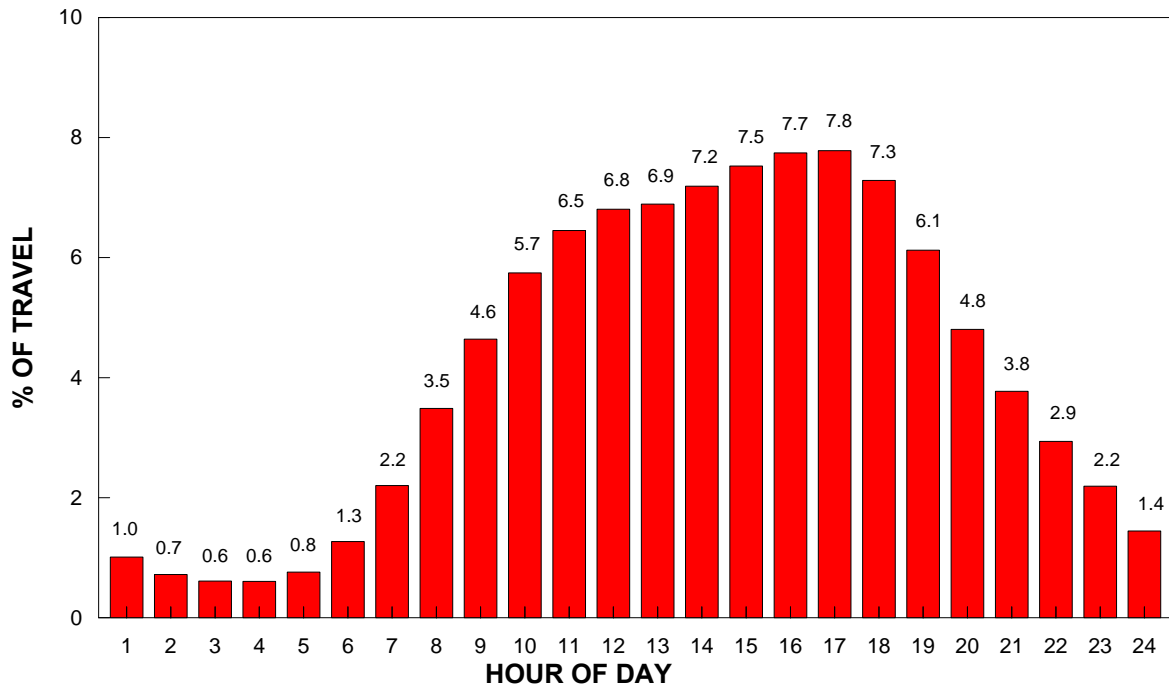
PERMANENT STATION COMPARISON OF TRUCK AADT BY YEAR

STATION NUMBER	LOCATION	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2015	2016	2017	% CHANGE 2017/2016	% CHANGE 2017/2007	% CHANGE 2017/1997
RURAL MINOR ARTERIAL																	
249	GARRISON		122	104	104	104	113	134	158	222	255	267	177	174	-1.7%	54.0%	--
275	HANNOVER		74	60	62	66	58	78	89	111	100	109	152	116	-23.7%	100.0%	--
289	MANNING				144	132	283	539	1281	1937	2392	1706	1125	1309	16.4%	362.5%	--
291	MARMARTH									211	225	194	157	171	8.9%	--	--
293	KILLDEER									1766	1928	1800	1038	1516	46.1%	--	--
295	NECHE									116	111	84	90	120	33.3%	--	--
373	DICKINSON22S												404	308	-23.8%	--	--
453	OAKES_S1____													283	--	--	--
461	THOMPSON_W15											192	183	184	0.5%	--	--
727	ENDERLIN_E46											318	322	351	9.0%	--	--
759	WILTON_E36__											126	133	125	-6.0%	--	--
	MEAN		98	110	116	123	143	206	362	579	652	464	343	382	2.6%	107.0%	--
RURAL MAJOR COLLECTOR - STATE																	
267	TRENTON							369	1284	1501	1593	1310	834	675	-19.1%	--	--
493	ST_THOMAS_W_											208	188	192	2.1%	--	--
783	KULM_S56____											36	47	39	-17.0%	--	--
	MEAN							369	1284	1501	1593	518	356	302	-11.3%	--	--
RURAL MAJOR COLLECTOR - COUNTY																	
101	MINOT55ST_NE										579	587	472	437	-7.4%	--	--
103	MINOT46AV_NE										242	231	194	182	-6.2%	--	--
225	STERLING					40	54	63	80	70	141	115	142	141	-0.7%	161.1%	--
	MEAN					40	54	63	80	70	321	311	269	253	-4.8%	161.1%	--
URBAN PRINCIPAL ARTERIAL																	
287	GRAND FORKS											420	438	421	-3.9%	--	--
503	BISMARCK (U)									1706	1880	1832	1768	1748	-1.1%	--	--
513	WFARGO_MAIN_ (U)												1084	1205	11.2%	--	--
	MEAN									1706	1880	1126	1097	1125	2.0%	--	--

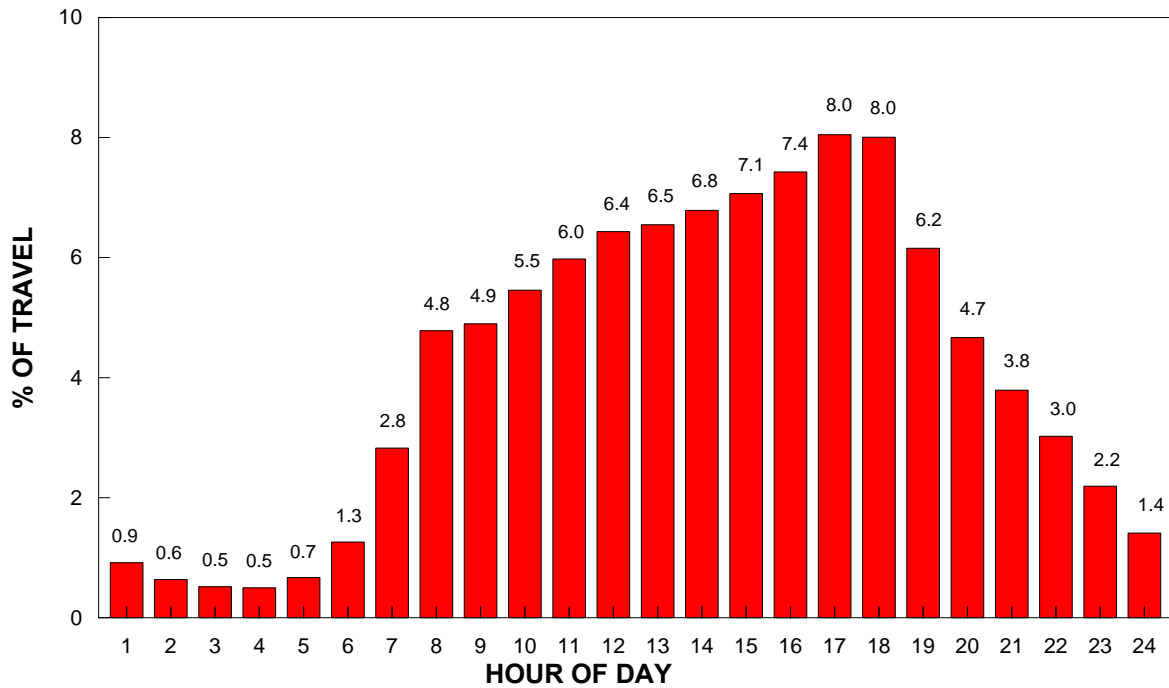
Missing data is the result of years when a recording station was out of service.

HOURLY DISTRIBUTION OF TRAVEL

RURAL INTERSTATE 94

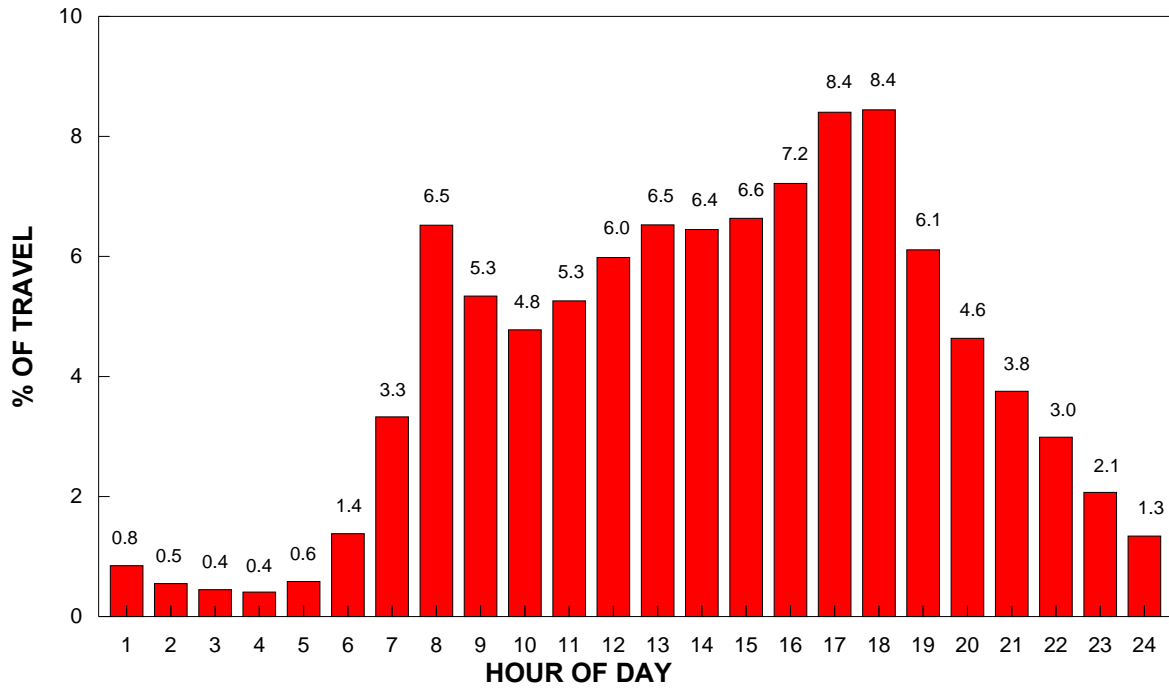


RURAL INTERSTATE 29

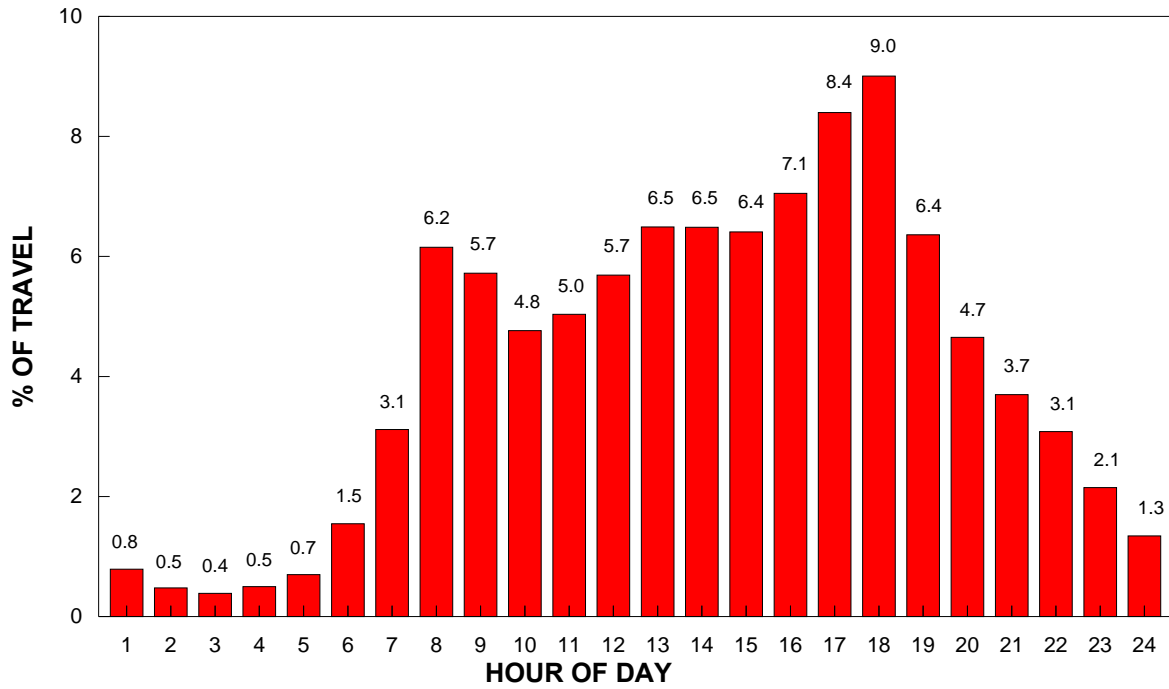


HOURLY DISTRIBUTION OF TRAVEL

URBAN INTERSTATE 94

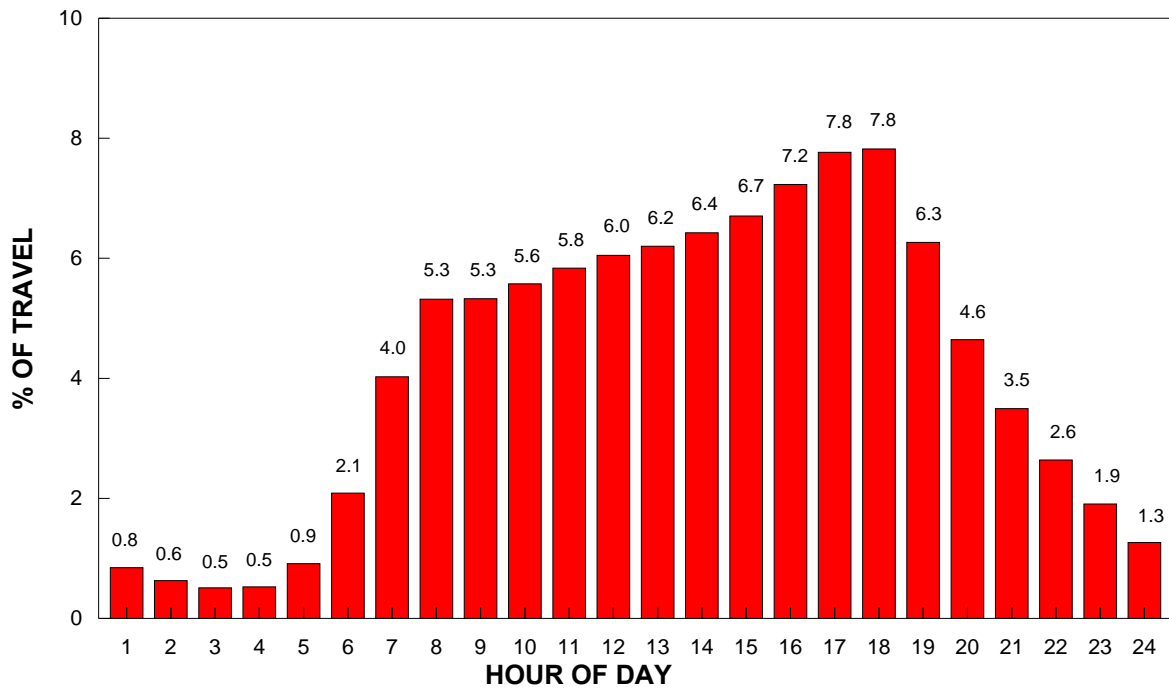


URBAN INTERSTATE 29

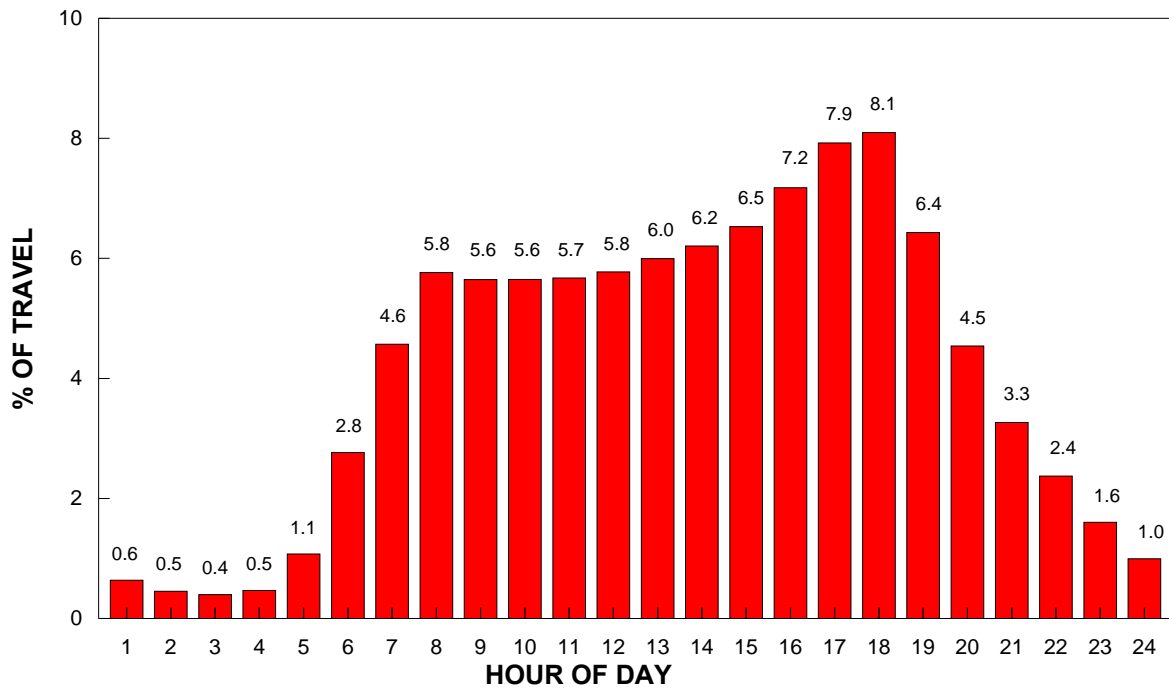


HOURLY DISTRIBUTION OF TRAVEL

RURAL PRINCIPAL ARTERIAL

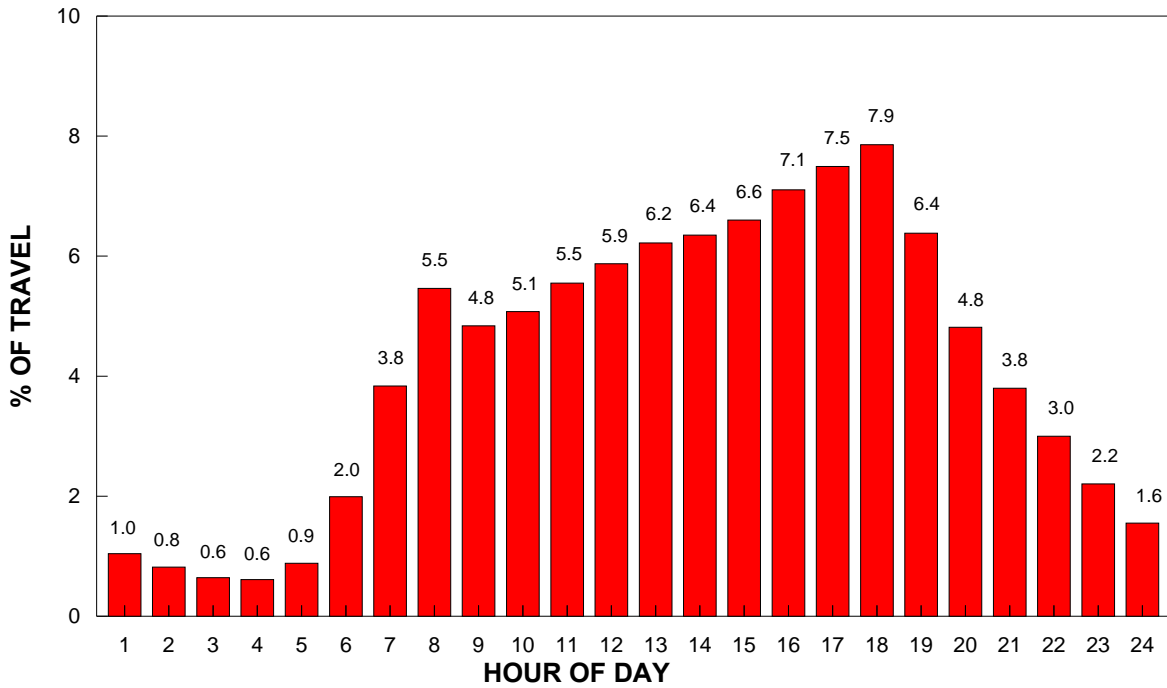


RURAL MINOR ARTERIAL

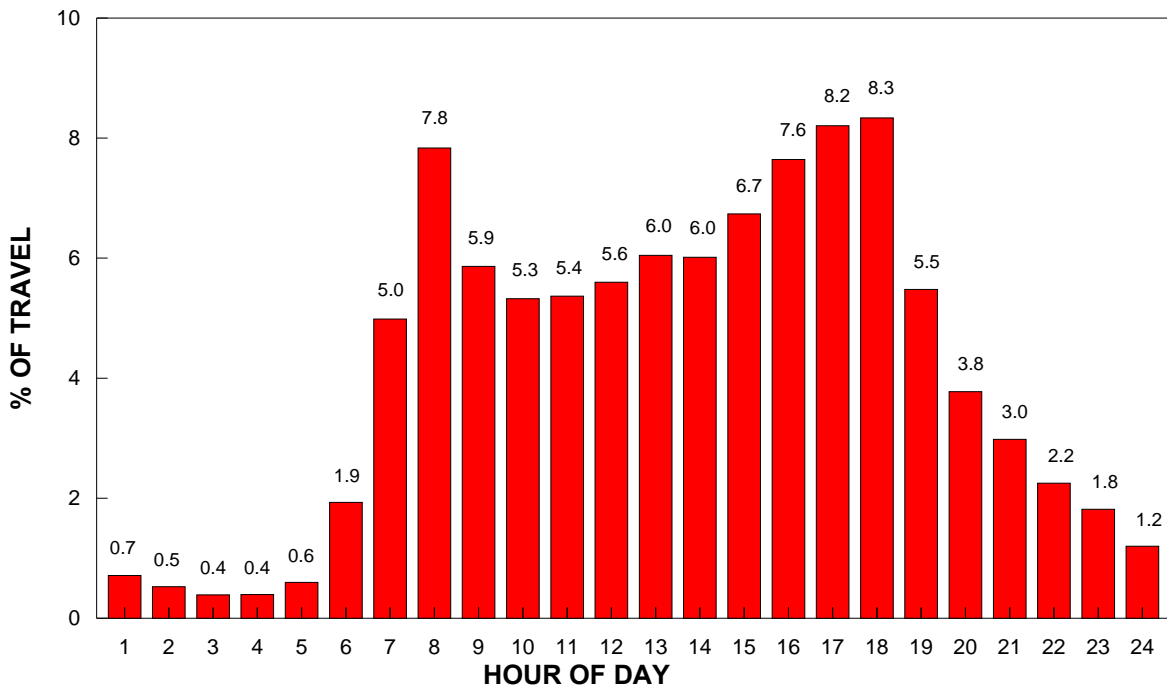


HOURLY DISTRIBUTION OF TRAVEL

RURAL MAJOR COLLECTOR - STATE

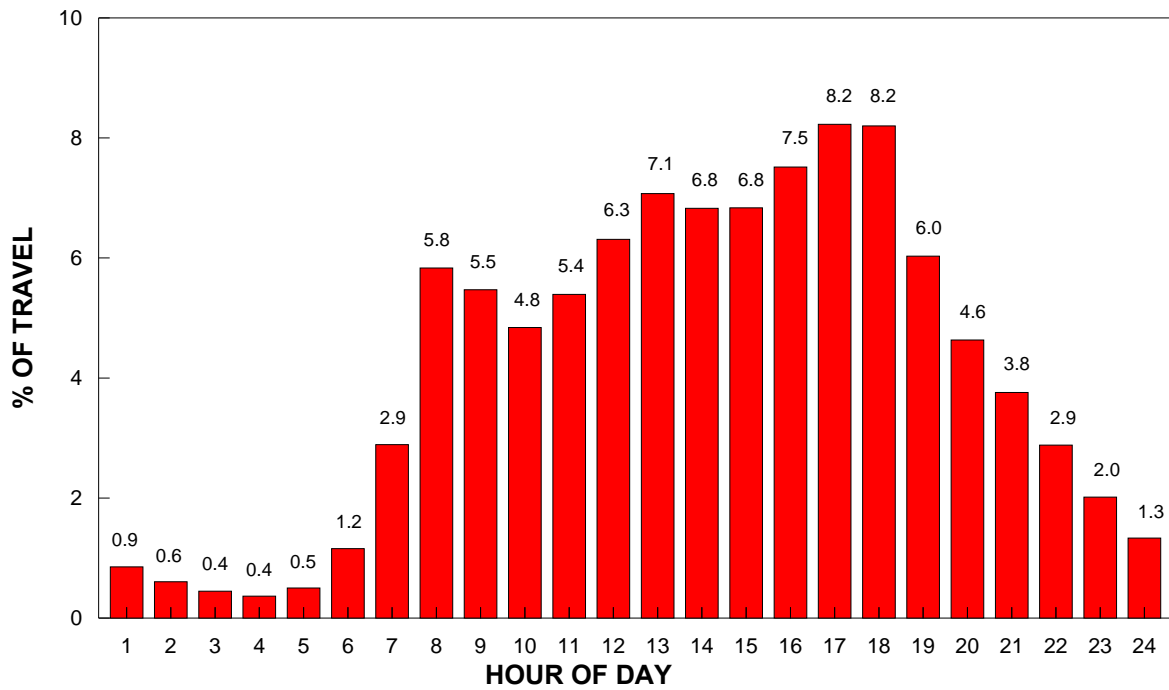


RURAL MAJOR COLLECTOR - COUNTY

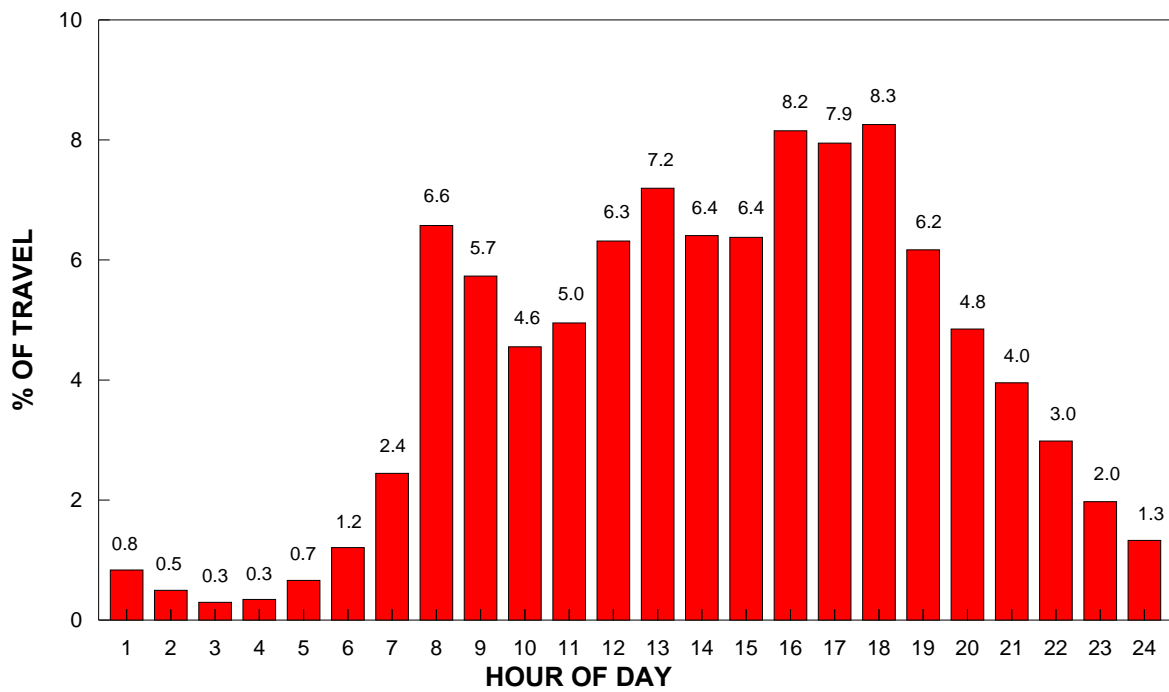


HOURLY DISTRIBUTION OF TRAVEL

URBAN PRINCIPAL ARTERIAL

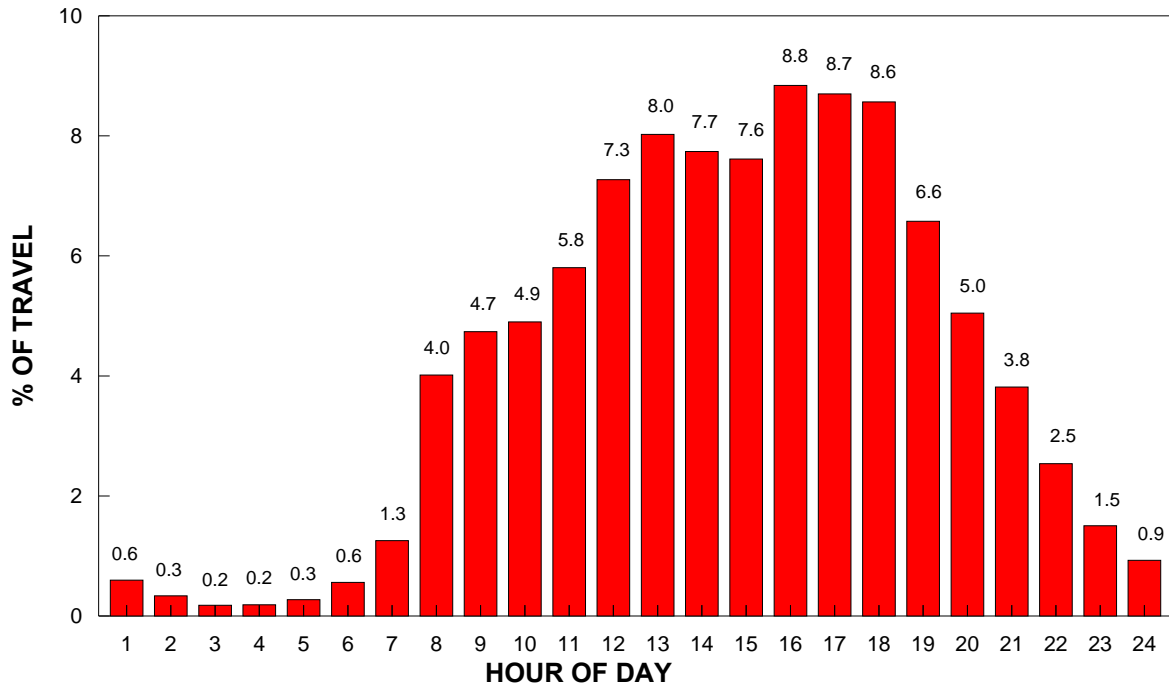


URBAN MINOR ARTERIAL



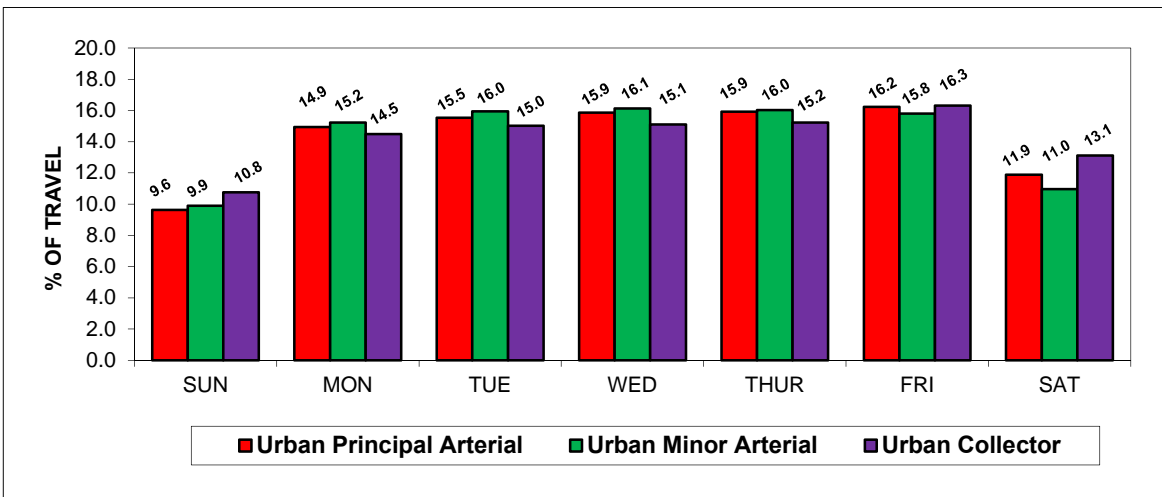
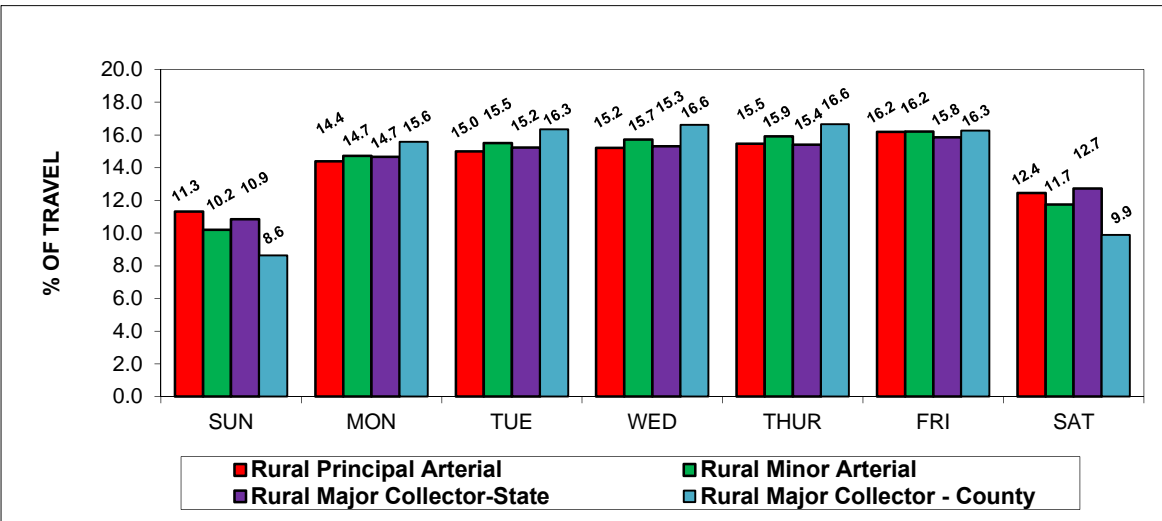
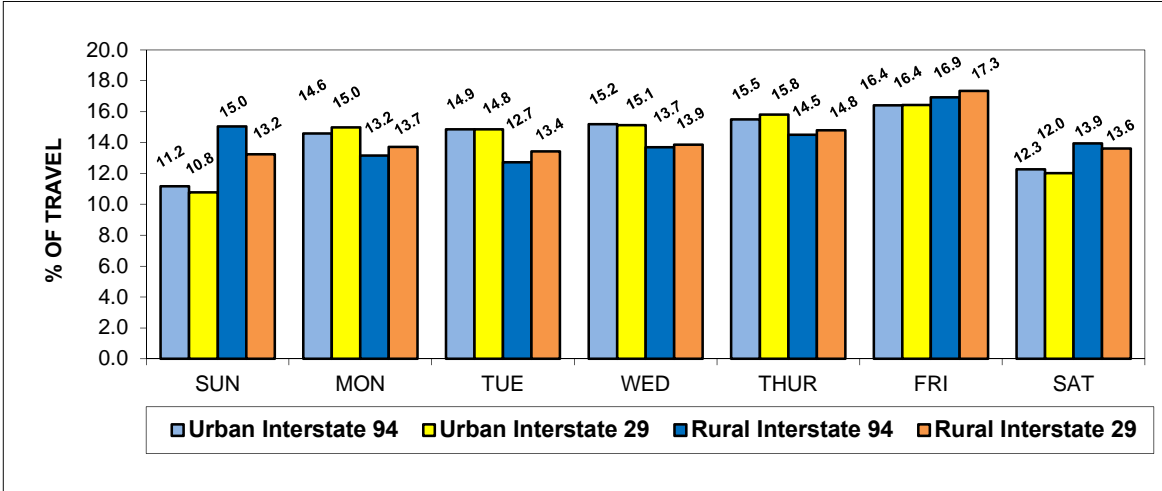
HOURLY DISTRIBUTION OF TRAVEL

URBAN COLLECTOR

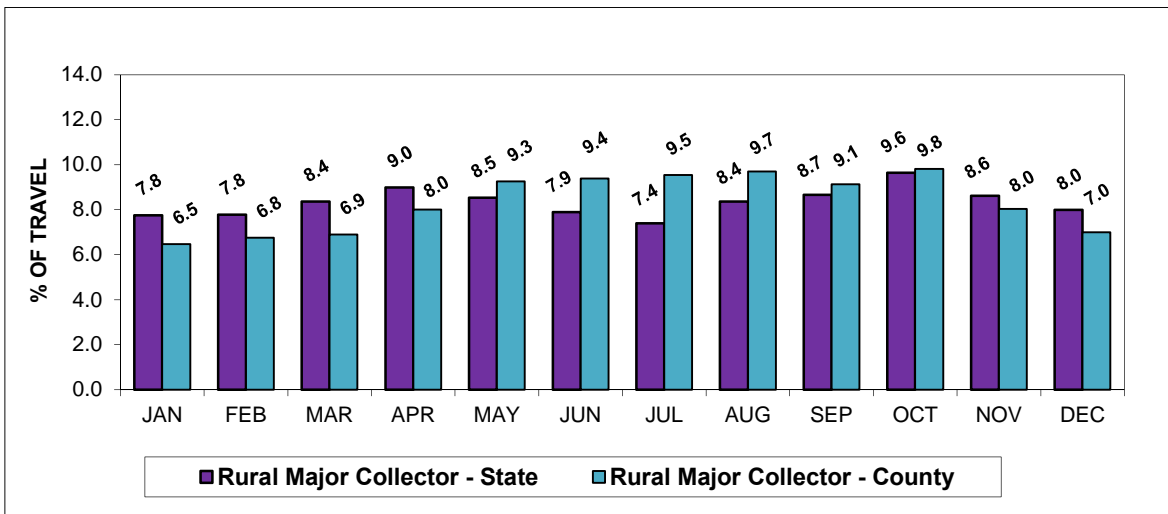
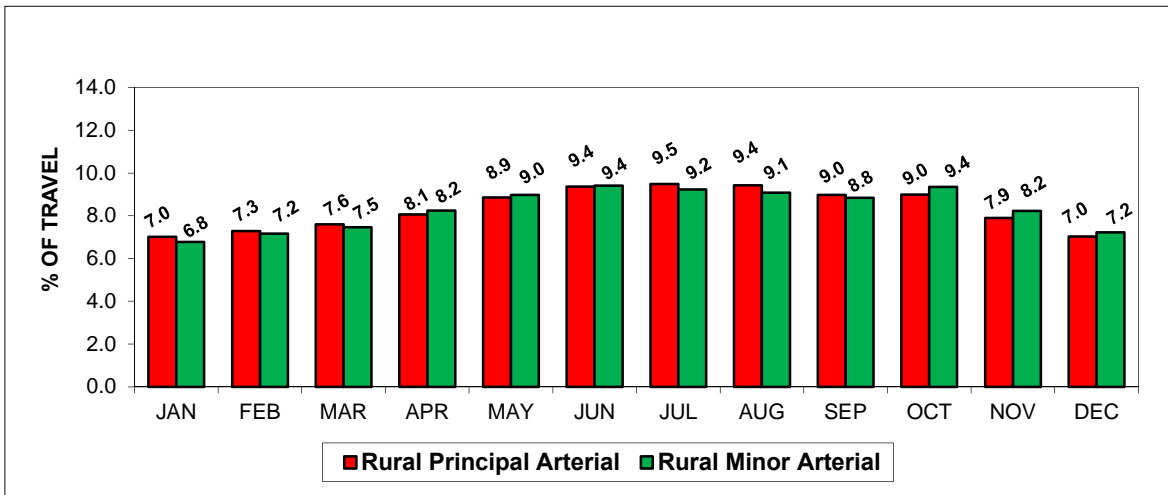
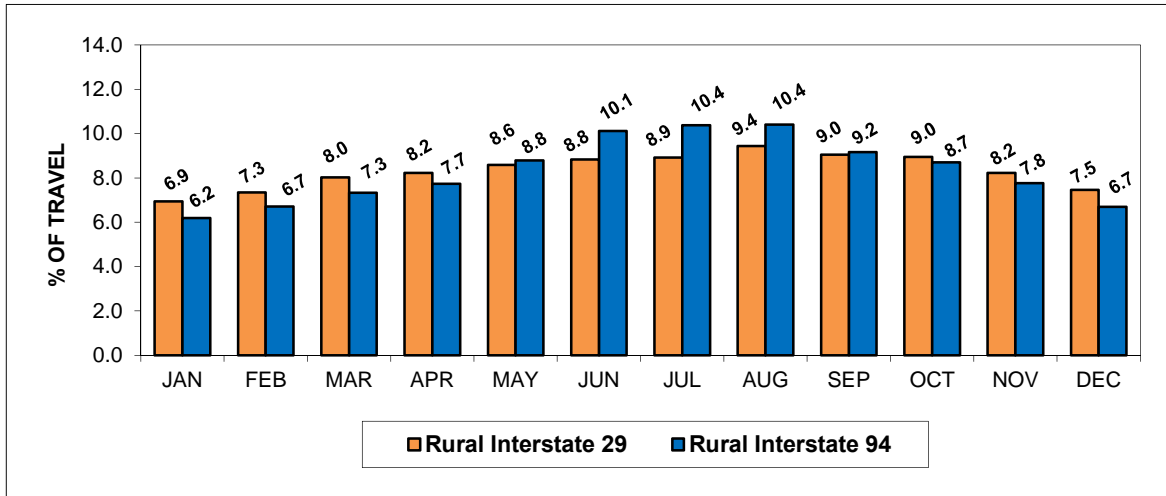


DAILY DISTRIBUTION OF TRAVEL

TOTAL VEHICLES

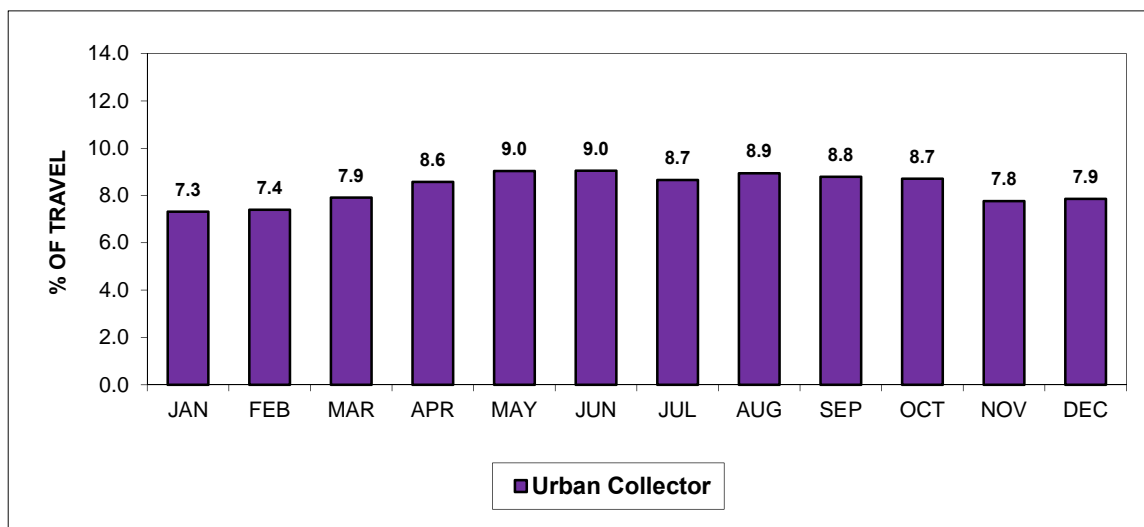
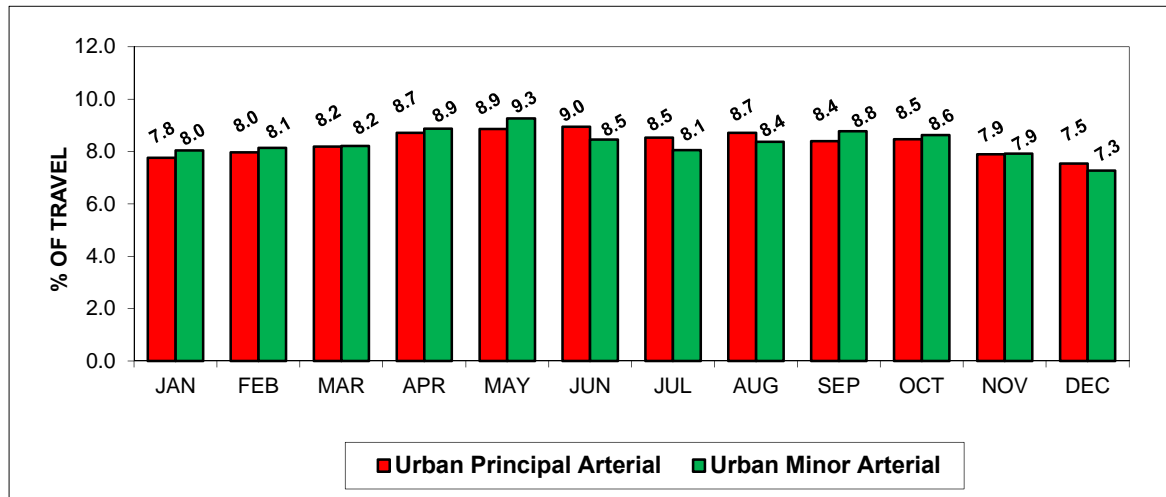
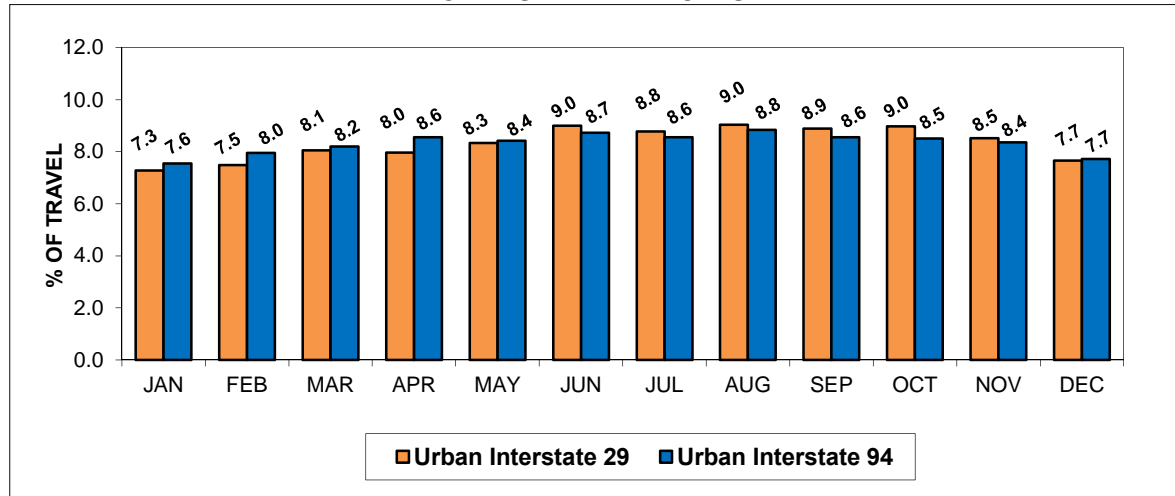


MONTHLY DISTRIBUTION OF ANNUAL TRAFFIC TOTAL RURAL VEHICLES



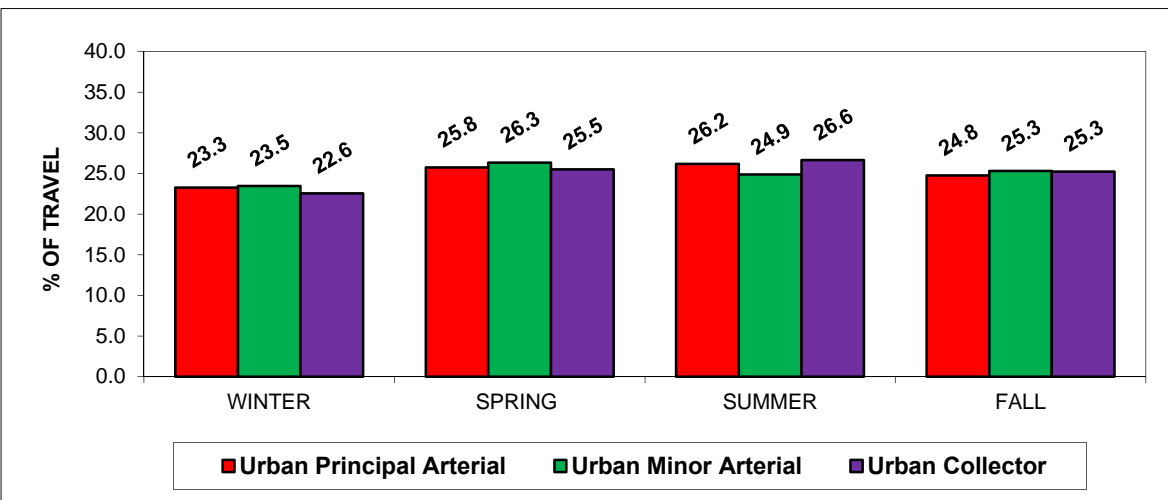
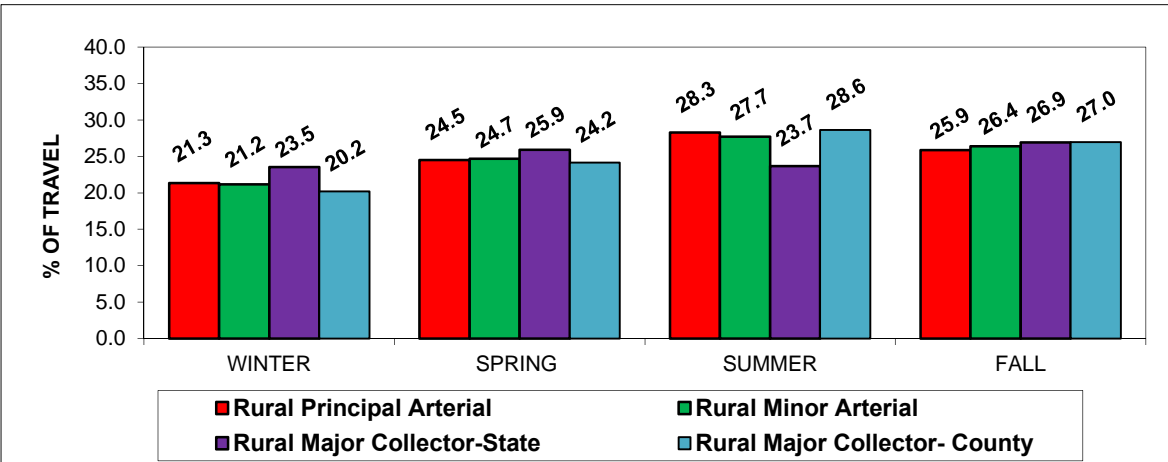
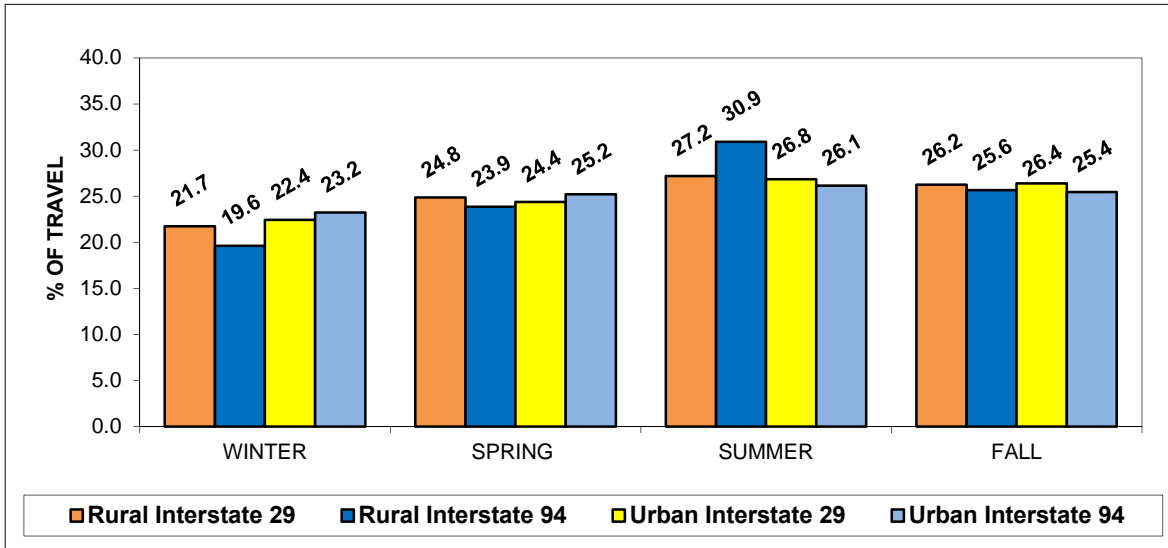
MONTHLY DISTRIBUTION OF ANNUAL TRAFFIC

TOTAL URBAN VEHICLES



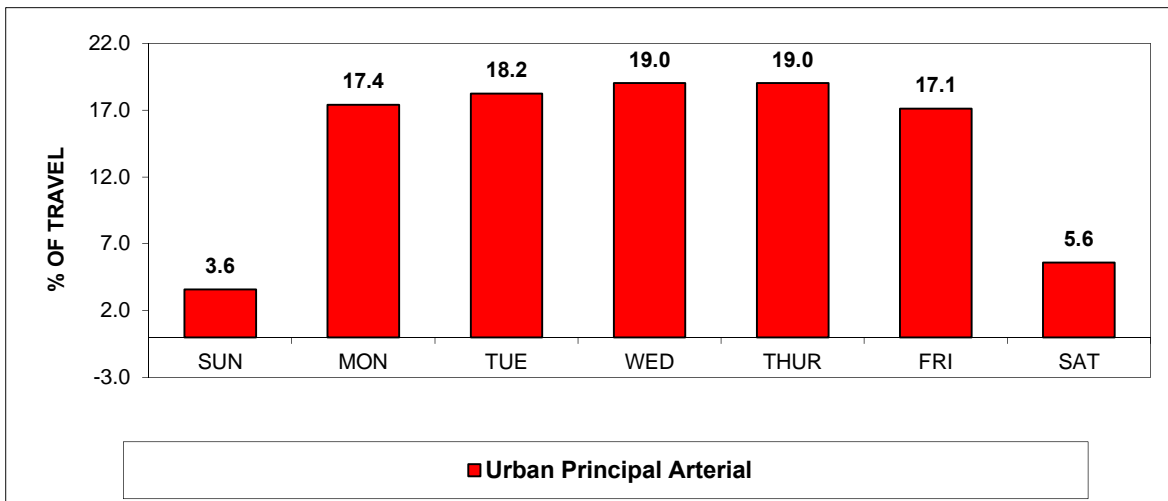
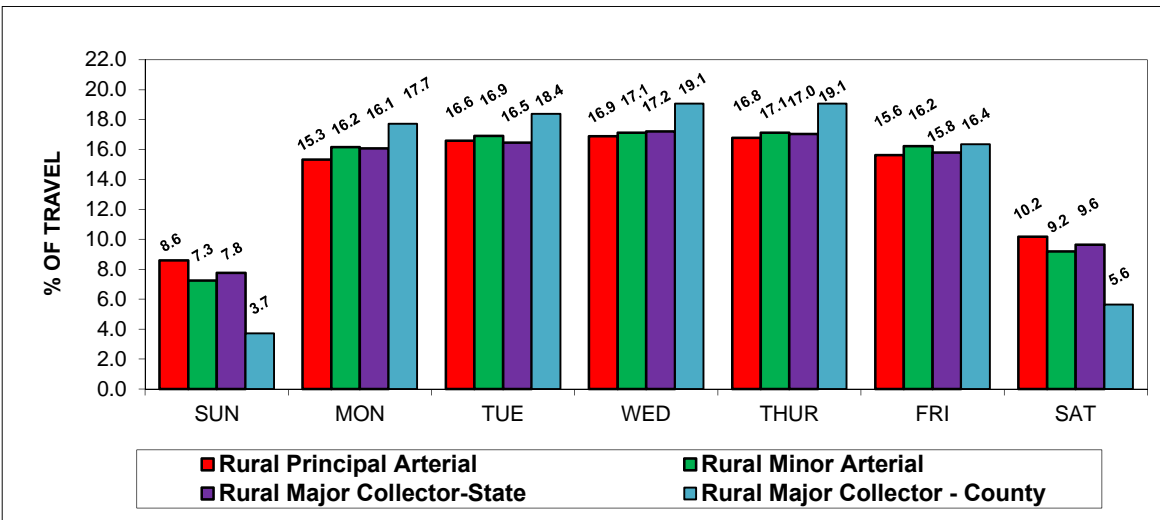
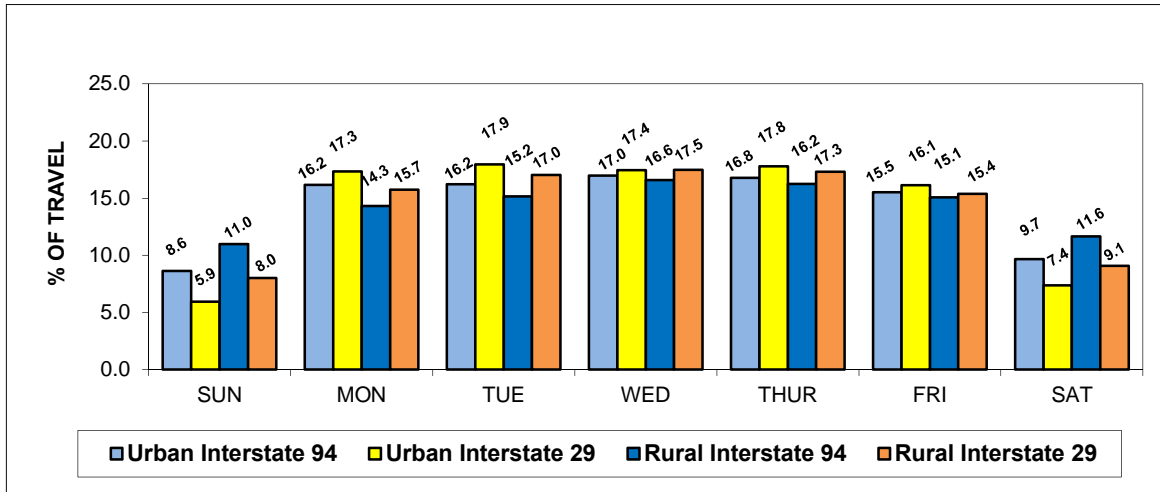
SEASONAL DISTRIBUTION OF TRAVEL

TOTAL VEHICLES

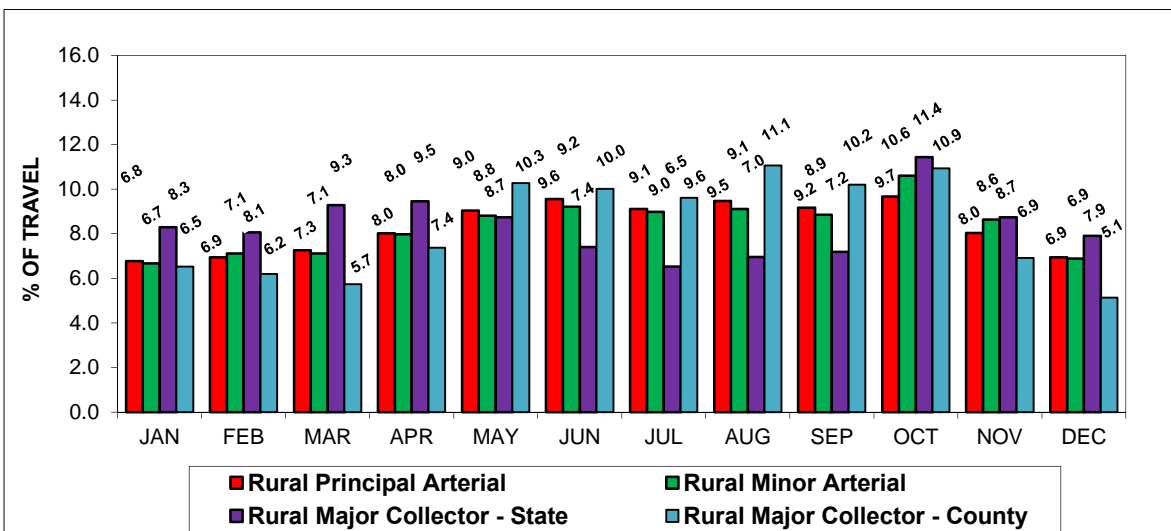
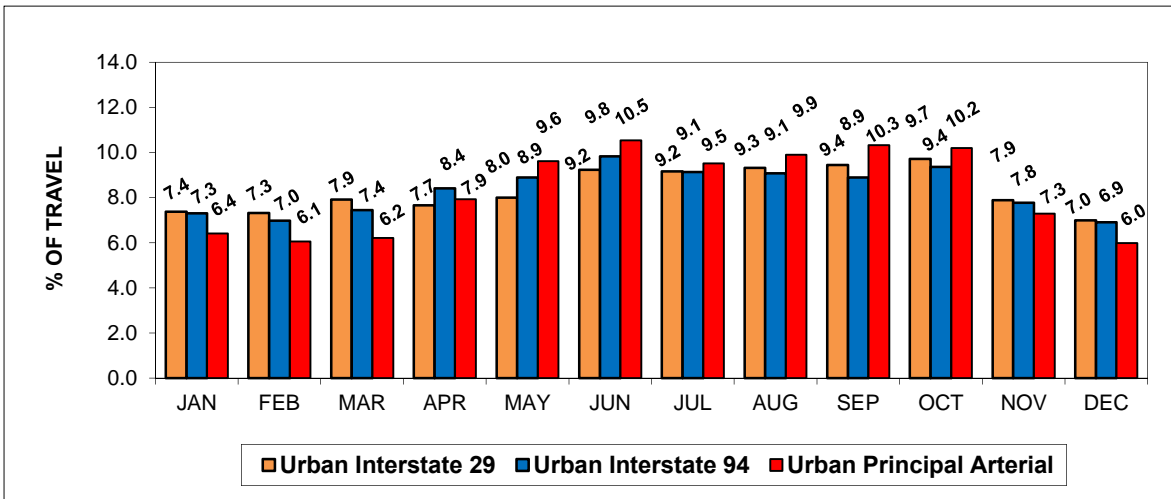
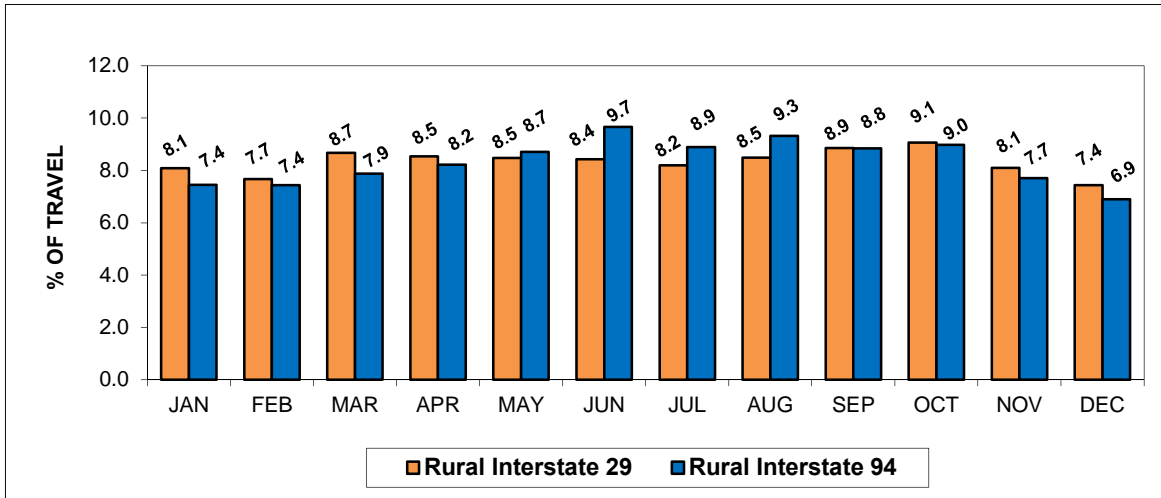


DAILY DISTRIBUTION OF TRAVEL

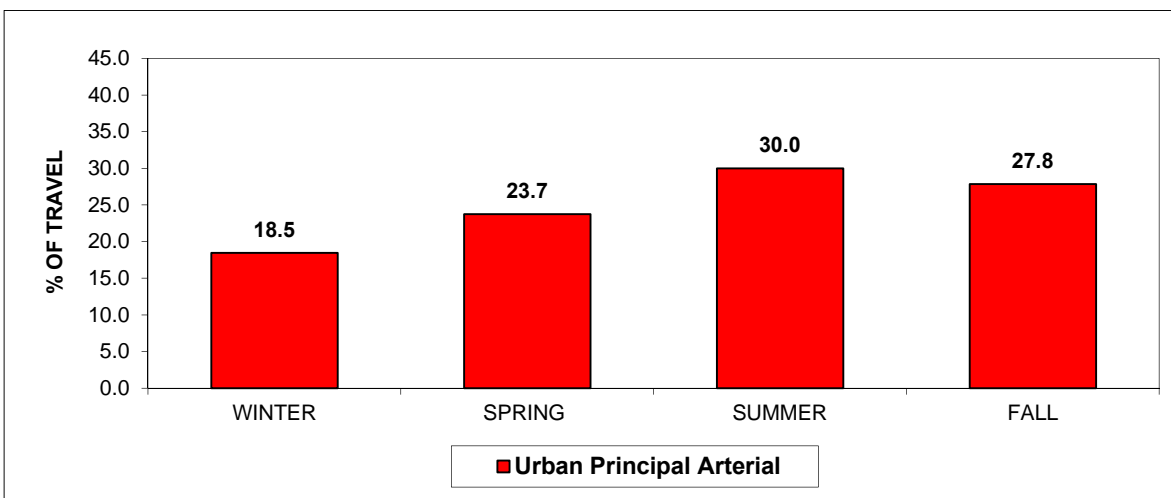
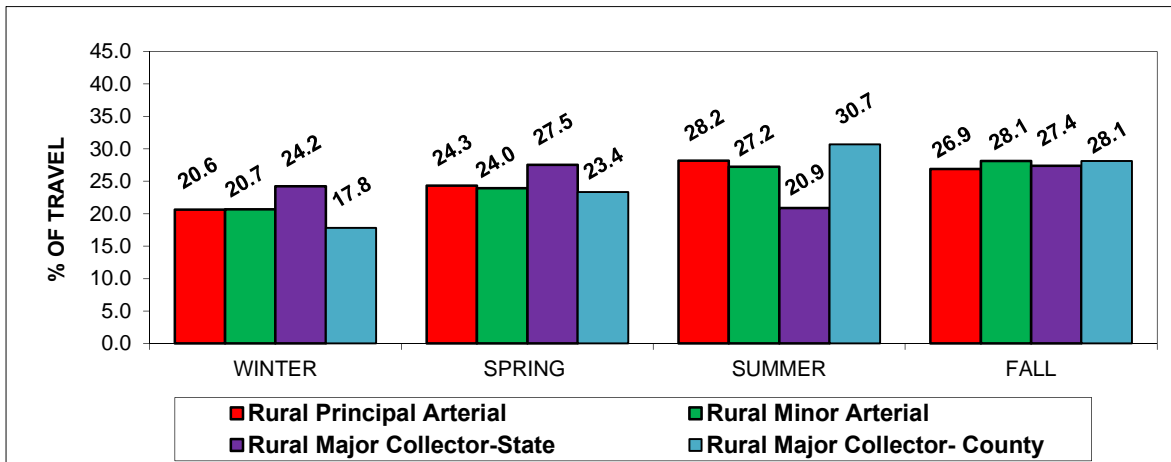
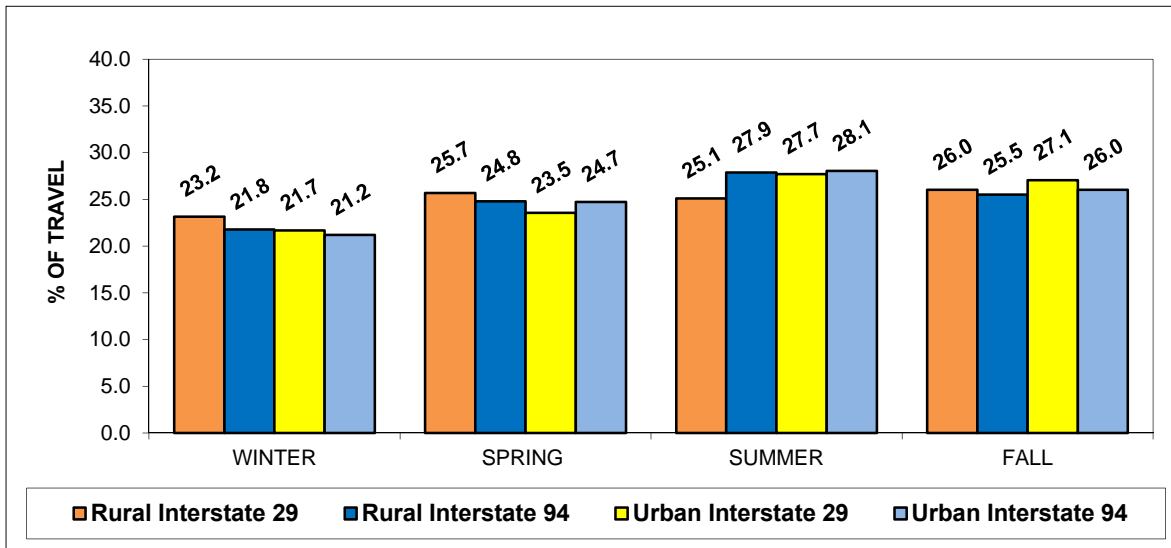
TOTAL TRUCKS



MONTHLY DISTRIBUTION OF ANNUAL TRAFFIC TOTAL TRUCKS



SEASONAL DISTRIBUTION OF TRAVEL TOTAL TRUCKS



**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2017**

STATION NUMBER	STATION NAME	DIRECTION	ANNUAL AVERAGE DAILY TRAFFIC (AADT)	---- PEAK HOUR ----		----- DESIGN HOUR -----			
				VOLUME	% OF AADT	VOLUME	% OF AADT	VOLUME OPPOSITE DIR	DIRECTIONAL DISTRIBUTION
INTERSTATE RURAL - I-94									
207	MEDINA	EAST	4294	672	15.6%	564	13.1%	432	57-43
		WEST	4257	765	18.0%	595	14.0%	496	55-45
		EAST & WEST	8551	1,307	15.3%	1135	13.3%		
223	NEW SALEM	EAST	4254	606	14.2%	485	11.4%	420	54-46
		WEST	4202	603	14.4%	421	10.0%	496	46-54
		EAST & WEST	8456	1,052	12.4%	884	10.5%		
245	TOWER CITY	EAST	5924	933	15.7%	743	12.5%	773	49-51
		WEST	5905	862	14.6%	753	12.8%	790	49-51
		EAST & WEST	11829	1,677	14.2%	1457	12.3%		
279	PAINTED CANYON	EAST	2272	480	21.1%	324	14.3%	216	60-40
		WEST	2215	500	22.6%	343	15.5%	299	53-47
		EAST & WEST	4487	764	17.0%	641	14.3%		
INTERSTATE RURAL - I-29									
211	BUXTON	NORTH	6278	1,046	16.7%	780	12.4%	740	51-49
		SOUTH	6222	946	15.2%	773	12.4%	614	56-44
		NORTH & SOUTH	12500	1,753	14.0%	1474	11.8%		
243	BOWESMONT	NORTH	1703	316	18.6%	235	13.8%	99	70-30
		SOUTH	1635	294	18.0%	238	14.6%	111	68-32
		NORTH & SOUTH	3338	446	13.4%	380	11.4%		
265	MOORETON	NORTH	3563	543	15.2%	406	11.4%	302	57-43
		SOUTH	3618	513	14.2%	419	11.6%	328	56-44
		NORTH & SOUTH	7181	1,010	14.1%	787	11.0%		
285	DAVENPORT	NORTH	6202	809	13.0%	740	11.9%	302	71-29
		SOUTH	6175	951	15.4%	800	13.0%	666	55-45
		NORTH & SOUTH	12377	1,612	13.0%	1374	11.1%		
INTERSTATE URBAN - I-94									
217	FARGO (U)	EAST	36327	4,814	13.3%	4448	12.2%	3188	58-42
		WEST	37178	4,523	12.2%	4383	11.8%	2426	64-36
		EAST & WEST	73505	8,021	10.9%	7634	10.4%		
283	BISMARCK (U)	EAST	13014	1,705	13.1%	1492	11.5%	1642	48-52
		WEST	12972	1,669	12.9%	1448	11.2%	1369	51-49
		EAST & WEST	25986	3,153	12.1%	2884	11.1%		
INTERSTATE URBAN - I-29									
235	FARGO (U)	NORTH	18206	2,558	14.1%	2031	11.2%	1513	57-43
		SOUTH	16009	2,089	13.0%	1620	10.1%	1834	47-53
		NORTH & SOUTH	34215	3,736	10.9%	3292	9.6%		
PRINCIPAL ARTERIAL RURAL									
201	RAY	EAST	2607	313	12.0%	272	10.4%	250	52-48
		WEST	2598	304	11.7%	269	10.4%	254	51-49
		EAST & WEST	5205	593	11.4%	520	10.0%		
203	MAX	NORTH	2529	470	18.6%	346	13.7%	206	63-37

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2017**

STATION NUMBER	STATION NAME	DIRECTION	ANNUAL AVERAGE DAILY TRAFFIC (AADT)	---- PEAK HOUR ----		----- DESIGN HOUR -----			
				VOLUME	% OF AADT	VOLUME	% OF AADT	VOLUME OPPOSITE DIR	DIRECTIONAL DISTRIBUTION
PRINCIPAL ARTERIAL RURAL									
203	MAX	SOUTH	2506	471	18.8%	334	13.3%	403	45-55
		NORTH & SOUTH	5035	779	15.5%	619	12.3%		
205	GWINNER	EAST	584	117	20.0%	104	17.8%	16	87-13
		WEST	594	143	24.1%	113	19.0%	42	73-27
		EAST & WEST	1178	195	16.6%	154	13.1%		
215	JAMESTOWN	EAST	1767	248	14.0%	199	11.3%	179	53-47
		WEST	1745	431	24.7%	191	10.9%	224	46-54
		EAST & WEST	3512	526	15.0%	375	10.7%		
219	MANDAN	NORTH	1070	208	19.4%	151	14.1%	122	55-45
		SOUTH	1072	194	18.1%	148	13.8%	109	58-42
		NORTH & SOUTH	2142	390	18.2%	281	13.1%		
221	FAIRFIELD	NORTH	1618	207	12.8%	165	10.2%	89	65-35
		SOUTH	1644	251	15.3%	206	12.5%	115	64-36
		NORTH & SOUTH	3262	378	11.6%	328	10.1%		
229	COOPERSTOWN	EAST	419	67	16.0%	51	12.2%	22	70-30
		WEST	410	146	35.6%	53	12.9%	50	51-49
		EAST & WEST	829	121	14.6%	92	11.1%		
233	FOXHOLM	EAST	1185	164	13.8%	130	11.0%	80	62-38
		WEST	1205	149	12.4%	131	10.9%	77	63-37
		EAST & WEST	2390	295	12.3%	238	10.0%		
237	NEKOMA	NORTH	437	72	16.5%	58	13.3%	32	64-36
		SOUTH	441	79	17.9%	61	13.8%	50	55-45
		NORTH & SOUTH	878	139	15.8%	106	12.1%		
239	NEW TOWN	EAST	2873	434	15.1%	296	10.3%	253	54-46
		WEST	2963	390	13.2%	286	9.7%	265	52-48
		EAST & WEST	5836	631	10.8%	552	9.5%		
241	BOTTINEAU	EAST	640	150	23.4%	96	15.0%	50	66-34
		WEST	662	129	19.5%	86	13.0%	44	66-34
		EAST & WEST	1302	202	15.5%	155	11.9%		
251	HAGUE	NORTH	433	75	17.3%	54	12.5%	32	63-37
		SOUTH	432	108	25.0%	56	13.0%	34	62-38
		NORTH & SOUTH	865	134	15.5%	101	11.7%		
253	RUGBY	EAST	1485	228	15.4%	192	12.9%	166	54-46
		WEST	1476	235	15.9%	190	12.9%	111	63-37
		EAST & WEST	2961	430	14.5%	351	11.9%		
255	CROSBY	EAST	438	73	16.7%	53	12.1%	49	52-48
		WEST	434	85	19.6%	51	11.8%	29	64-36
		EAST & WEST	872	116	13.3%	95	10.9%		
257	WILLISTON	EAST	1060	141	13.3%	102	9.6%	79	56-44
		WEST	1080	163	15.1%	137	12.7%	95	59-41
		EAST & WEST	2140	253	11.8%	219	10.2%		
261	CARRINGTON	NORTH	923	198	21.5%	119	12.9%	81	60-41
		SOUTH	923	193	20.9%	104	11.3%	80	57-43

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2017**

STATION NUMBER	STATION NAME	DIRECTION	ANNUAL AVERAGE DAILY TRAFFIC (AADT)	---- PEAK HOUR ----		----- DESIGN HOUR -----			
				VOLUME	% OF AADT	VOLUME	% OF AADT	VOLUME OPPOSITE DIR	DIRECTIONAL DISTRIBUTION
PRINCIPAL ARTERIAL RURAL									
261	CARRINGTON	NORTH & SOUTH	1846	252	13.7%	206	11.2%		
273	NEW LEIPZIG	EAST	182	97	53.3%	29	15.9%	11	73-28
		WEST	183	122	66.7%	27	14.8%	15	64-36
		EAST & WEST	365	140	38.4%	49	13.4%		
281	SAWYER	EAST	2341	383	16.4%	345	14.7%	179	66-34
		WEST	2397	372	15.5%	347	14.5%	91	79-21
		EAST & WEST	4738	568	12.0%	530	11.2%		
297	WILLISTON NW	NORTH	1955	261	13.4%	222	11.4%	163	58-42
		SOUTH	1952	256	13.1%	216	11.1%	211	51-49
		NORTH & SOUTH	3907	495	12.7%	430	11.0%		
303	MICHIGAN	EAST	2033	370	18.2%	288	14.2%	131	69-31
		WEST	2020	423	20.9%	286	14.2%	214	57-43
		EAST & WEST	4053	636	15.7%	528	13.0%		
307	WASHBURN	NORTH	2858	521	18.2%	362	12.7%	302	55-45
		SOUTH	2850	433	15.2%	361	12.7%	337	52-48
		NORTH & SOUTH	5708	803	14.1%	665	11.7%		
309	NEWTOWN EAST	EAST	2220	332	15.0%	303	13.6%	147	67-33
		WEST	2178	255	11.7%	229	10.5%	79	74-26
		EAST & WEST	4398	493	11.2%	464	10.6%		
311	WILLISTON 2N	WEST	4275	361	8.4%	247	5.8%		-
315	RYDER E23	EAST	1029	183	17.8%	139	13.5%	71	66-34
		WEST	1000	172	17.2%	110	11.0%	54	67-33
		EAST & WEST	2029	273	13.5%	218	10.7%		
337	BLAISDELL E2	EAST	2268	429	18.9%	363	16.0%	190	66-34
		WEST	2321	390	16.8%	357	15.4%	49	88-12
		EAST & WEST	4589	573	12.5%	522	11.4%		
339	GRASSY BUTTE	NORTH	1676	198	11.8%	165	9.8%	141	54-46
		SOUTH	1674	246	14.7%	202	12.1%	125	62-38
		NORTH & SOUTH	3350	400	11.9%	335	10.0%		
341	ALEXANDER85W	NORTH	3070	343	11.2%	308	10.0%	249	55-45
		SOUTH	3102	358	11.5%	295	9.5%	295	50-50
		NORTH & SOUTH	6172	676	11.0%	575	9.3%		
343	WATFORD E23	EAST	2781	570	20.5%	515	18.5%	107	83-17
		WEST	2737	529	19.3%	444	16.2%	197	69-31
		EAST & WEST	5518	716	13.0%	661	12.0%		
345	WILLIAMS N85	NORTH	1037	256	24.7%	113	10.9%	108	51-49
		SOUTH	1001	125	12.5%	107	10.7%	47	69-31
		NORTH & SOUTH	2038	314	15.4%	203	10.0%		
349	BEULAH S49	NORTH	718	117	16.3%	91	12.7%	28	76-24
		SOUTH	701	130	18.5%	100	14.3%	45	69-31
		NORTH & SOUTH	1419	201	14.2%	164	11.6%		
351	COLUMBUS W5	EAST	297	142	47.8%	43	14.5%	10	81-19

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2017**

STATION NUMBER	STATION NAME	DIRECTION	ANNUAL AVERAGE DAILY TRAFFIC (AADT)	---- PEAK HOUR ----		----- DESIGN HOUR -----			
				VOLUME	% OF AADT	VOLUME	% OF AADT	VOLUME OPPOSITE DIR	DIRECTIONAL DISTRIBUTION
PRINCIPAL ARTERIAL RURAL									
351	COLUMBUS W5	WEST	295	76	25.8%	40	13.6%	21	66-34
		EAST & WEST	592	148	25.0%	72	12.2%		
419	EMERADO W2	WEST	3332	586	17.6%	464	13.9%		-
423	HARVEY N3	NORTH	316	63	19.9%	37	11.7%	31	54-46
		SOUTH	305	81	26.6%	42	13.8%	23	65-35
		NORTH & SOUTH	621	108	17.4%	65	10.5%		
429	LAKOTA S1	NORTH	295	140	47.5%	45	15.3%	10	82-18
		SOUTH	303	141	46.5%	51	16.8%	31	62-38
		NORTH & SOUTH	598	180	30.1%	88	14.7%		
447	DUNSEITH E	NORTH	1293	205	15.9%	139	10.8%	104	57-43
		SOUTH	1309	263	20.1%	165	12.6%	110	60-40
		NORTH & SOUTH	2602	359	13.8%	290	11.1%		
449	SHEYENNE N	NORTH	573	144	25.1%	77	13.4%	51	60-40
		SOUTH	572	108	18.9%	75	13.1%	46	62-38
		NORTH & SOUTH	1145	176	15.4%	131	11.4%		
MINOR ARTERIAL RURAL									
231	GRAFTON	EAST	1224	383	31.3%	158	12.9%	64	71-29
		WEST	1237	432	34.9%	169	13.7%	104	62-38
		EAST & WEST	2461	452	18.4%	278	11.3%		
247	COURTENAY	NORTH	226	51	22.6%	36	15.9%	17	68-32
		SOUTH	220	39	17.7%	30	13.6%	16	65-35
		NORTH & SOUTH	446	80	17.9%	55	12.3%		
249	GARRISON	EAST	838	158	18.9%	123	14.7%	70	64-36
		WEST	832	170	20.4%	126	15.1%	108	54-46
		EAST & WEST	1670	295	17.7%	234	14.0%		
275	HANNOVER	NORTH	457	85	18.6%	66	14.4%	71	48-52
		SOUTH	459	93	20.3%	74	16.1%	62	54-46
		NORTH & SOUTH	916	158	17.2%	132	14.4%		
289	MANNING	NORTH	2306	413	17.9%	358	15.5%	125	74-26
		SOUTH	2282	418	18.3%	356	15.6%	148	71-29
		NORTH & SOUTH	4588	570	12.4%	508	11.1%		
291	MARMARTH	EAST	317	61	19.2%	42	13.2%	16	72-28
		WEST	316	60	19.0%	44	13.9%	33	57-43
		EAST & WEST	633	92	14.5%	78	12.3%		
293	KILLDEER	NORTH	1818	300	16.5%	247	13.6%	78	76-24
		SOUTH	1794	332	18.5%	264	14.7%	108	71-29
		NORTH & SOUTH	3612	452	12.5%	379	10.5%		
295	NECHE	NORTH	196	58	29.6%	30	15.3%	17	64-36
		SOUTH	206	54	26.2%	34	16.5%	18	65-35
		NORTH & SOUTH	402	74	18.4%	55	13.7%		
373	DICKINSON22S	NORTH	835	169	20.2%	87	10.4%	100	47-53
		SOUTH	834	163	19.5%	107	12.8%	82	57-43

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2017**

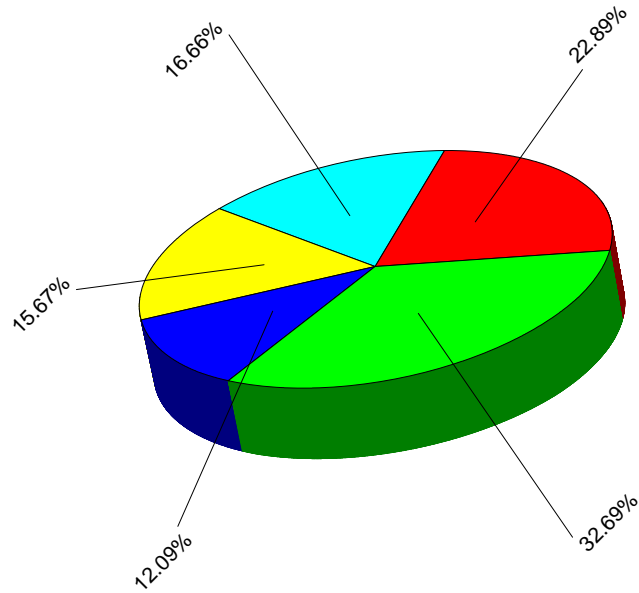
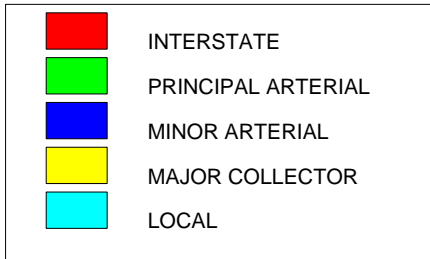
STATION NUMBER	STATION NAME	DIRECTION	ANNUAL AVERAGE DAILY TRAFFIC (AADT)	---- PEAK HOUR ----		----- DESIGN HOUR -----			
				VOLUME	% OF AADT	VOLUME	% OF AADT	VOLUME OPPOSITE DIR	DIRECTIONAL DISTRIBUTION
MINOR ARTERIAL RURAL									
373	DICKINSON22S	NORTH & SOUTH	1669	228	13.7%	168	10.1%		
453	OAKES S1	NORTH	606	76	12.5%	58	9.6%	33	64-36
		SOUTH	605	102	16.9%	73	12.1%	55	57-43
		NORTH & SOUTH	1211	128	10.6%	107	8.8%		
461	THOMPSON W15	EAST	831	127	15.3%	115	13.8%	45	72-28
		WEST	769	134	17.4%	112	14.6%	50	69-31
		EAST & WEST	1600	224	14.0%	187	11.7%		
727	ENDERLIN E46	EAST	949	140	14.8%	110	11.6%	88	56-44
		WEST	926	199	21.5%	114	12.3%	118	49-51
		EAST & WEST	1875	271	14.5%	212	11.3%		
759	WILTON E36	EAST	301	120	39.9%	45	15.0%	24	65-35
		WEST	277	94	33.9%	34	12.3%	22	61-39
		EAST & WEST	578	120	20.8%	60	10.4%		
MAJOR COLLECTOR - COUNTY									
101	MINOT55ST NE	NORTH	1293	205	15.9%	182	14.1%	152	54-46
		SOUTH	1341	284	21.2%	187	13.9%	133	58-42
		NORTH & SOUTH	2634	471	17.9%	353	13.4%		
103	MINOT46AV NE	EAST	542	114	21.0%	94	17.3%	59	61-39
		WEST	542	129	23.8%	106	19.6%	51	68-32
		EAST & WEST	1084	188	17.3%	166	15.3%		
225	STERLING	EAST	454	104	22.9%	72	15.9%	26	73-27
		WEST	413	64	15.5%	52	12.6%	38	58-42
		EAST & WEST	867	135	15.6%	110	12.7%		
259	AYR	EAST	177	45	25.4%	30	16.9%	12	71-29
		WEST	175	39	22.3%	31	17.7%	26	54-46
		EAST & WEST	352	76	21.6%	56	15.9%		
277	REGENT	NORTH	153	36	23.5%	25	16.3%	17	60-40
		SOUTH	157	52	33.1%	27	17.2%	12	69-31
		NORTH & SOUTH	310	67	21.6%	46	14.8%		
MAJOR COLLECTOR - STATE									
267	TRENTON	NORTH	1810	230	12.7%	177	9.8%	114	61-39
		SOUTH	1810	273	15.1%	220	12.2%	148	60-40
		NORTH & SOUTH	3620	432	11.9%	365	10.1%		
493	ST THOMAS W	EAST	304	86	28.3%	46	15.1%	31	60-40
		WEST	300	51	17.0%	34	11.3%	27	56-44
		EAST & WEST	604	85	14.1%	64	10.6%		
783	KULM S56	NORTH	82	71	86.6%	17	20.7%	12	59-41
		SOUTH	87	50	57.5%	19	21.8%	21	48-53
		NORTH & SOUTH	169	87	51.5%	30	17.8%		

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2017**

STATION NUMBER	STATION NAME	DIRECTION	ANNUAL AVERAGE DAILY TRAFFIC (AADT)	---- PEAK HOUR ----		----- DESIGN HOUR -----			
				VOLUME	% OF AADT	VOLUME	% OF AADT	VOLUME OPPOSITE DIR	DIRECTIONAL DISTRIBUTION
PRINCIPAL ARTERIAL URBAN									
287	GRAND FORKS	NORTH	11634	1,240	10.7%	1148	9.9%	1120	51-49
		SOUTH	11203	1,379	12.3%	1221	10.9%	1113	52-48
		NORTH & SOUTH	22837	2,561	11.2%	2356	10.3%		
501	FARGO (U)	NORTH	12481	1,591	12.7%	1496	12.0%	929	62-38
		SOUTH	13872	1,779	12.8%	1659	12.0%	1047	61-39
		NORTH & SOUTH	26353	2,848	10.8%	2696	10.2%		
503	BISMARCK (U)	EAST	7071	892	12.6%	848	12.0%	683	55-45
		WEST	6805	818	12.0%	757	11.1%	886	46-54
		EAST & WEST	13876	1,684	12.1%	1586	11.4%		
513	WFARGO MAIN (U)	EAST	3500	932	26.6%	522	14.9%	424	55-45
		WEST	3374	860	25.5%	621	18.4%	416	60-40
		EAST & WEST	6874	1,792	26.1%	1057	15.4%		
603	WILLISTON (U)	EAST	3364	637	18.9%	377	11.2%	288	57-43
		WEST	3298	404	12.2%	370	11.2%	344	52-48
		EAST & WEST	6662	1,002	15.0%	722	10.8%		
605	MANDAN (U)	EAST	9215	1,425	15.5%	934	10.1%	598	61-39
		WEST	9988	1,722	17.2%	1201	12.0%	816	60-40
		EAST & WEST	19203	2,889	15.0%	2072	10.8%		
MINOR ARTERIAL-URBAN									
607	DICKINSON (U)	EAST	1611	332	20.6%	232	14.4%	150	61-39
		WEST	1623	255	15.7%	232	14.3%	96	71-29
		EAST & WEST	3234	495	15.3%	391	12.1%		
611	MINOT (U)	EAST	1229	221	18.0%	163	13.3%	103	61-39
		WEST	1330	180	13.5%	159	12.0%	115	58-42
		EAST & WEST	2559	333	13.0%	287	11.2%		
COLLECTOR URBAN									
609	MINOT (U)	EAST	1336	206	15.4%	156	11.7%	94	62-38
		WEST	1307	209	16.0%	163	12.5%	141	54-46
		EAST & WEST	2643	381	14.4%	304	11.5%		

2017 COMPARISON OF VEHICLE MILES TO RURAL ROAD MILES

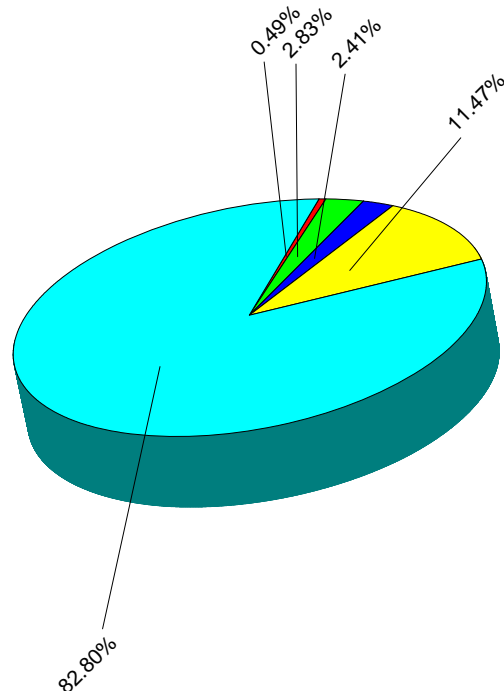
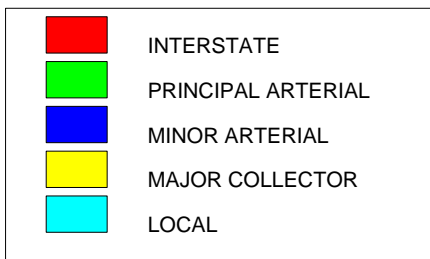
Vehicle Miles Traveled



Interesting Facts:

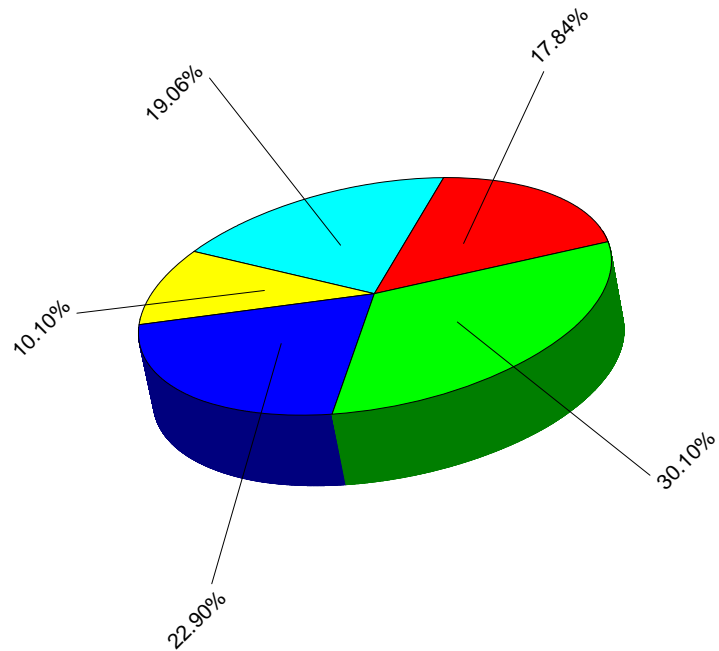
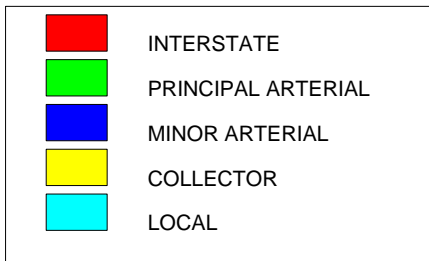
- Local roads comprise about 83% of the roads in the state but carry only about 17% of the traffic.
- Interstates comprise less than 1% of the roads but carry almost 23% of the traffic.
- Principal Arterials comprise less than 3% of the roads but carry about 33% of the traffic.

Road Miles



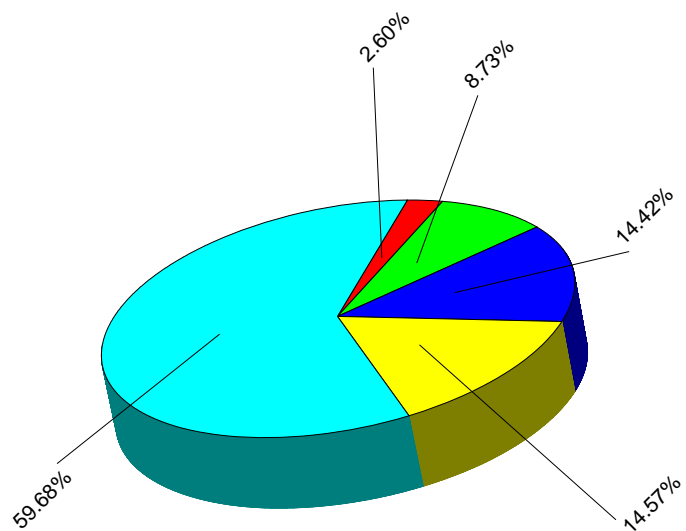
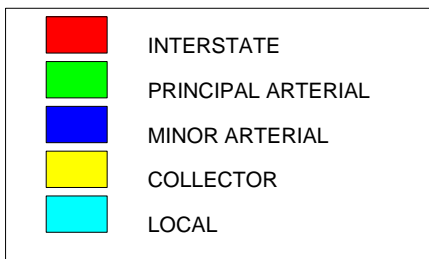
2017 COMPARISON OF VEHICLE MILES TO URBAN ROAD MILES

Vehicle Miles Traveled



Interesting Fact:
-Local roads comprise about 60% of the urban roads in the state but only around 19% of the traffic.

Road Miles



**NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
SUMMARY OF 2017 EXISTING MILEAGE OF NORTH DAKOTA ROADS AND STREETS
CLASSIFIED BY SYSTEMS**

SYSTEM	SURFACED MILEAGE			UNSURFACED MILEAGE		TOTALS	NHS HARD SURFACES
	HARD SURFACES			GRADED/ DRAINED	UNIMPROVED ROADS		
	BITUMINOUS	CONCRETE	GRAVEL				
STATE							
INTERSTATE RURAL	138.4	378.0	0.0	0.0	0.0	516.4	516.4
INTERSTATE URBAN	13.3	41.3	0.0	0.0	0.0	54.6	54.6
TOTAL	151.7	419.4	0.0	0.0	0.0	571.0	571.0
PRINCIPAL ARTERIAL RURAL	2,823.0	142.1	0.0	0.0	0.0	2,965.1	2,965.1
PRINCIPAL ARTERIAL URBAN	87.6	49.4	0.0	0.0	0.0	137.0	137.0
TOTAL	2,910.5	191.6	0.0	0.0	0.0	3,102.1	3,102.1
MINOR ARTERIAL RURAL	2,526.3	1.5	0.0	0.0	0.0	2,527.8	7.8
MINOR ARTERIAL URBAN	7.1	2.4	0.0	0.0	0.0	9.5	
TOTAL	2,533.4	3.9	0.0	0.0	0.0	2,537.2	7.8
MAJOR COLLECTOR	1,158.0	6.3	0.0	0.0	0.0	1,164.3	
TOTAL	1,158.0	6.3	0.0	0.0	0.0	1,164.3	
LOCAL RURAL	40.2	0.0	0.5	0.0	0.0	40.7	
LOCAL URBAN	2.8	0.0	0.0	0.0	0.0	2.8	
TOTAL	43.0	0.0	0.5	0.0	0.0	43.5	
TOTAL STATE HIGHWAY SYSTEM	6,796.5	621.1	0.5	0.0	0.0	7,418.1	3,680.9
COUNTY							
MAJOR COLLECTOR RURAL	4,472.4	45.5	6,060.9	5.8	8.0	10,592.7	
MAJOR COLLECTOR CITY	194.6	4.4	68.5	0.1	0.0	267.6	
TOTAL	4,667.1	49.9	6,129.4	6.0	8.0	10,860.3	
PRINCIPAL ARTERIAL RURAL	2.5	0.0	0.0	0.0	0.0	2.5	2.5
TOTAL	2.5	0.0	0.0	0.0	0.0	2.5	2.5
LOCAL RURAL ROADS	1,033.1	35.7	51,948.6	6,377.6	25,199.7	84,594.7	
LOCAL ROADS CITY	1,070.5	5.3	962.8	44.2	122.8	2,205.6	
TOTAL	2,103.6	41.0	52,911.4	6,421.9	25,322.5	86,800.3	
TOTAL COUNTY SYSTEM	6,773.2	90.8	59,040.7	6,427.8	25,330.5	97,663.1	2.5
URBAN							
PRINCIPAL ARTERIAL	26.8	19.5	0.0	0.0	0.0	46.4	44.8
MINOR ARTERIAL	220.6	47.7	24.6	0.4	0.0	293.3	
COLLECTOR	236.9	45.7	22.7	0.0	0.7	306.1	
LOCAL STREETS	947.2	147.2	141.9	1.1	13.2	1,250.7	
TOTAL URBAN SYSTEM	1,431.6	260.2	189.2	1.4	13.9	1,896.5	44.8
TOTAL RURAL ROADS	13,459.0	618.7	59,041.2	6,427.8	25,330.5	104,877.3	
TOTAL CITY STREETS	1,542.3	353.4	189.2	1.4	13.9	2,100.4	
TOTAL	15,001.3	972.1	59,230.5	6,429.3	25,344.5	106,977.7	
TOTAL NHS							3,728.1

FUNCTIONAL SYSTEM MILEAGE

SYSTEM	RURAL	URBAN	TOTAL
INTERSTATE	516.4	54.6	571.0
PRINCIPAL	2,967.6	183.4	3,151.0
MINOR	2,527.8	302.8	2,830.5
COLLECTOR	12,024.5	306.1	12,330.6
LOCAL	86,841.0	1,253.5	88,094.5
TOTAL	104,877.3	2,100.4	106,977.7

2017 URBAN ANNUAL VEHICLE MILES OF TRAVEL BY FUNCTIONAL CLASS
 (VEHICLE MILES OF TRAVEL SHOWN IN THOUSANDS)

CITY	INTERSTATE	PRINCIPAL ARTERIAL	MINOR ARTERIAL	COLLECTOR	LOCAL STREETS	TOTAL
BISMARCK	48,974	205,963	84,463	65,013	67,235	471,649
DEVILS LAKE		18,158	6,171	7,149	4,815	36,294
DICKINSON	14,782	32,589	34,535	15,485	31,233	128,623
FARGO	277,847	179,131	222,775	74,971	234,982	989,707
GRAND FORKS	12,942	122,257	59,521	35,868	39,430	270,019
JAMESTOWN	16,239	28,142	10,759	10,147	13,645	78,933
MANDAN	62,711	44,940	34,250	9,680	11,365	162,946
MINOT		117,957	67,955	20,869	55,267	262,049
VALLEY CITY	16,430	5,614	6,319	4,099	6,325	38,786
WAHPETON		12,032	7,712	4,546	11,047	35,338
WEST FARGO	41,210	18,792	62,258	16,096	26,020	164,376
WILLISTON		43,022	33,696	14,161	23,212	114,091
TOTAL	491,135	828,598	630,414	278,085	524,577	2,752,809

If a particular city has no mileage entry for Interstate, it means there are no Interstates in that city.

2017 RURAL ANNUAL VEHICLE MILES OF TRAVEL BY FUNCTIONAL CLASS

(VEHICLE MILES OF TRAVEL SHOWN IN THOUSANDS)

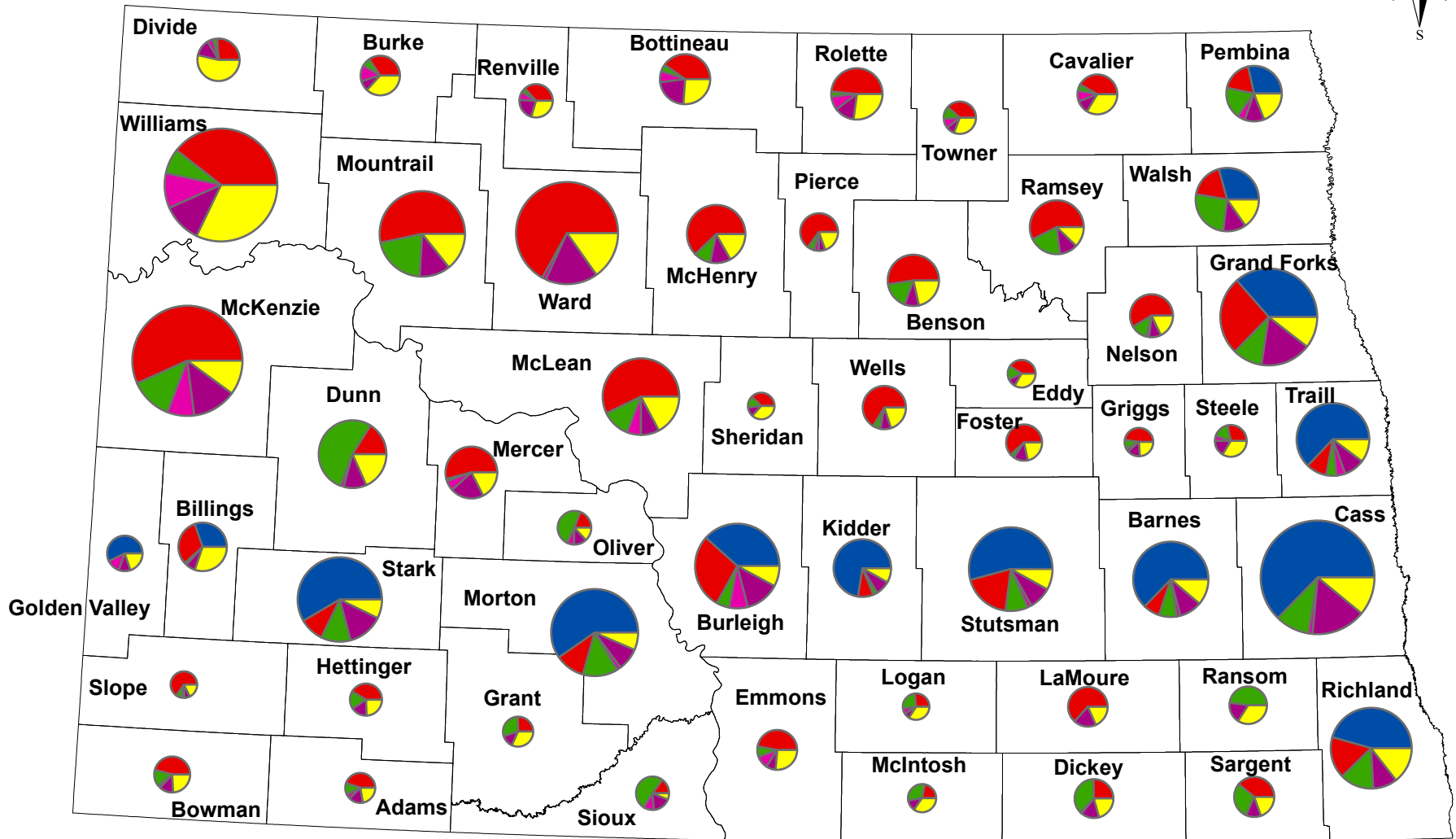
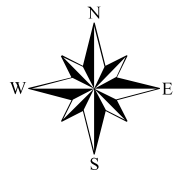
COUNTY	INTERSTATE	PRINCIPAL ARTERIAL	MINOR ARTERIAL	STATE MAJOR COLLECTOR	COUNTY MAJOR COLLECTOR	LOCAL ROADS	TOTAL
ADAMS		14,944	4,140	1,751	5,100	7,345	33,279
BARNES	133,416	15,212	16,172	3,508	20,596	23,719	212,623
BENSON		51,632	16,806	288	8,866	21,145	98,737
BILLINGS	26,750	27,537	1,558		5,460	26,684	87,989
BOTTINEAU		38,126	4,330	6,756	20,708	24,749	94,669
BOWMAN		22,168	7,287	1,148	6,037	11,758	48,398
BURKE		20,020	4,062	7,767	4,985	21,425	58,260
BURLEIGH	102,664	76,448	13,263	19,042	35,094	21,075	267,587
CASS	303,131		47,197	5,537	75,270	52,747	483,883
CAVALIER		24,843	3,248	5,250	6,160	20,078	59,579
DICKEY		14,372	21,147	774	8,608	11,665	56,566
DIVIDE		17,468	2,218	2,863	8,690	35,993	67,233
DUNN		27,654	91,337	2,588	18,709	31,621	171,909
EDDY		11,813	4,594		2,808	9,647	28,862
EMMONS		28,074	5,199	5,908	4,646	15,664	59,491
FOSTER		30,098	1,921		6,110	10,638	48,767
GOLDEN VALLEY	26,942			5,842	5,004	9,362	47,150
GRAND FORKS	127,626	91,343	34,653	2,289	59,002	36,921	351,835
GRANT		8,575	10,122		4,430	10,854	33,981
GRIGGS		14,502	3,045	1,147	4,460	7,244	30,398
HETTINGER		15,845	6,944		6,216	9,404	38,409
KIDDER	90,526	10,949	2,978		10,076	10,225	124,754
LAMOURE		36,669	472	245	10,696	10,678	58,760
LOGAN		7,061	6,681	1,776	1,784	8,916	26,218
MC HENRY		78,655	11,979	953	14,583	21,100	127,270
MC INTOSH		6,509	9,170		3,801	10,275	29,756
MC KENZIE		257,796	56,508	35,916	59,005	45,516	454,740
MC LEAN		125,698	26,073	12,965	17,005	37,910	219,651
MERCER		54,405	1,497	6,320	20,922	17,634	100,777
MORTON	169,035	31,144	37,163	4,050	23,687	18,385	283,464
MOUNTRAIL		144,297	55,999	2,387	31,717	38,735	273,134
NELSON		40,196	8,682	1,426	6,196	12,256	68,756
OLIVER		8,138	20,543	2,824	5,199	5,478	42,182
PEMBINA	32,746	21,002	21,267	5,070	13,001	21,958	115,044
PIERCE		34,400	3,183	2,130	3,045	10,396	53,153
RAMSEY		62,789	21,301		11,849	13,388	109,327
RANSOM			25,451		9,434	17,999	52,884
RENVILLE		15,396	1,962	3,300	8,837	12,313	41,807
RICHLAND	112,009	40,822	33,366		23,640	35,574	245,411
ROLETTE		47,734	3,016	8,348	12,501	26,439	98,038
SARGENT		23,597	17,870		7,282	11,794	60,543
SHERIDAN		9,656	3,745	245	2,944	9,495	26,085
SIOUX		6,162	21,289	4,171	7,226	2,532	41,380
SLOPE		17,326	2,022	775	1,811	4,592	26,525
STARK	155,841	25,023	30,163		36,217	19,313	266,556
STEELE		10,792	6,069	2,056	6,196	12,707	37,819
STUTSMAN	142,064	49,356	22,344	4,144	22,885	21,162	261,956
TOWNER		15,085	5,007	3,554	3,340	12,048	39,033
TRAILL	124,902	18,544	8,952	7,789	18,367	20,279	198,833
WALSH	43,426	26,759	38,190	1,006	17,333	22,729	149,443
WARD		261,412		5,029	64,658	59,540	390,639
WELLS		46,349	3,342	729	5,619	13,872	69,912
WILLIAMS		188,049	34,475	47,758	53,759	153,060	477,101
TOTAL	1,591,078	2,272,445	840,001	237,421	851,576	1,158,035	6,950,556

2017 ANNUAL VEHICLE MILES OF TRAVEL BY COUNTY

(VEHICLE MILES OF TRAVEL SHOWN IN THOUSANDS)

COUNTY	RURAL	URBAN	COUNTY TOTAL	PERCENT OF STATE TRAVEL
ADAMS	33,279		33,279	0.34%
BARNES	212,623	38,786	251,409	2.59%
BENSON	98,737		98,737	1.02%
BILLINGS	87,989		87,989	0.91%
BOTTINEAU	94,669		94,669	0.98%
BOWMAN	48,398		48,398	0.50%
BURKE	58,260		58,260	0.60%
BURLEIGH	267,587	471,649	739,236	7.62%
CASS	483,883	1,154,083	1,637,965	16.88%
CAVALIER	59,579		59,579	0.61%
DICKEY	56,566		56,566	0.58%
DIVIDE	67,233		67,233	0.69%
DUNN	171,909		171,909	1.77%
EDDY	28,862		28,862	0.30%
EMMONS	59,491		59,491	0.61%
FOSTER	48,767		48,767	0.50%
GOLDEN VALLEY	47,150		47,150	0.49%
GRAND FORKS	351,835	270,019	621,853	6.41%
GRANT	33,981		33,981	0.35%
GRIGGS	30,398		30,398	0.31%
HETTINGER	38,409		38,409	0.40%
KIDDER	124,754		124,754	1.29%
LAMOURE	58,760		58,760	0.61%
LOGAN	26,218		26,218	0.27%
MC HENRY	127,270		127,270	1.31%
MC INTOSH	29,756		29,756	0.31%
MC KENZIE	454,740		454,740	4.69%
MC LEAN	219,651		219,651	2.26%
MERCER	100,777		100,777	1.04%
MORTON	283,464	162,946	446,409	4.60%
MOUNTRAIL	273,134		273,134	2.81%
NELSON	68,756		68,756	0.71%
OLIVER	42,182		42,182	0.43%
PEMBINA	115,044		115,044	1.19%
PIERCE	53,153		53,153	0.55%
RAMSEY	109,327	36,294	145,621	1.50%
RANSOM	52,884		52,884	0.55%
RENVILLE	41,807		41,807	0.43%
RICHLAND	245,411	35,338	280,748	2.89%
ROLETTE	98,038		98,038	1.01%
SARGENT	60,543		60,543	0.62%
SHERIDAN	26,085		26,085	0.27%
SIOUX	41,380		41,380	0.43%
SLOPE	26,525		26,525	0.27%
STARK	266,556	128,623	395,179	4.07%
STEELE	37,819		37,819	0.39%
STUTSMAN	261,956	78,933	340,889	3.51%
TOWNER	39,033		39,033	0.40%
TRAILL	198,833		198,833	2.05%
WALSH	149,443		149,443	1.54%
WARD	390,639	262,049	652,688	6.73%
WELLS	69,912		69,912	0.72%
WILLIAMS	477,101	114,091	591,192	6.09%
TOTAL	6,950,556	2,752,809	9,703,365	100.00%

2017 RURAL ANNUAL VEHICLE MILES OF TRAVEL BY FUNCTIONAL CLASSIFICATION



(47)

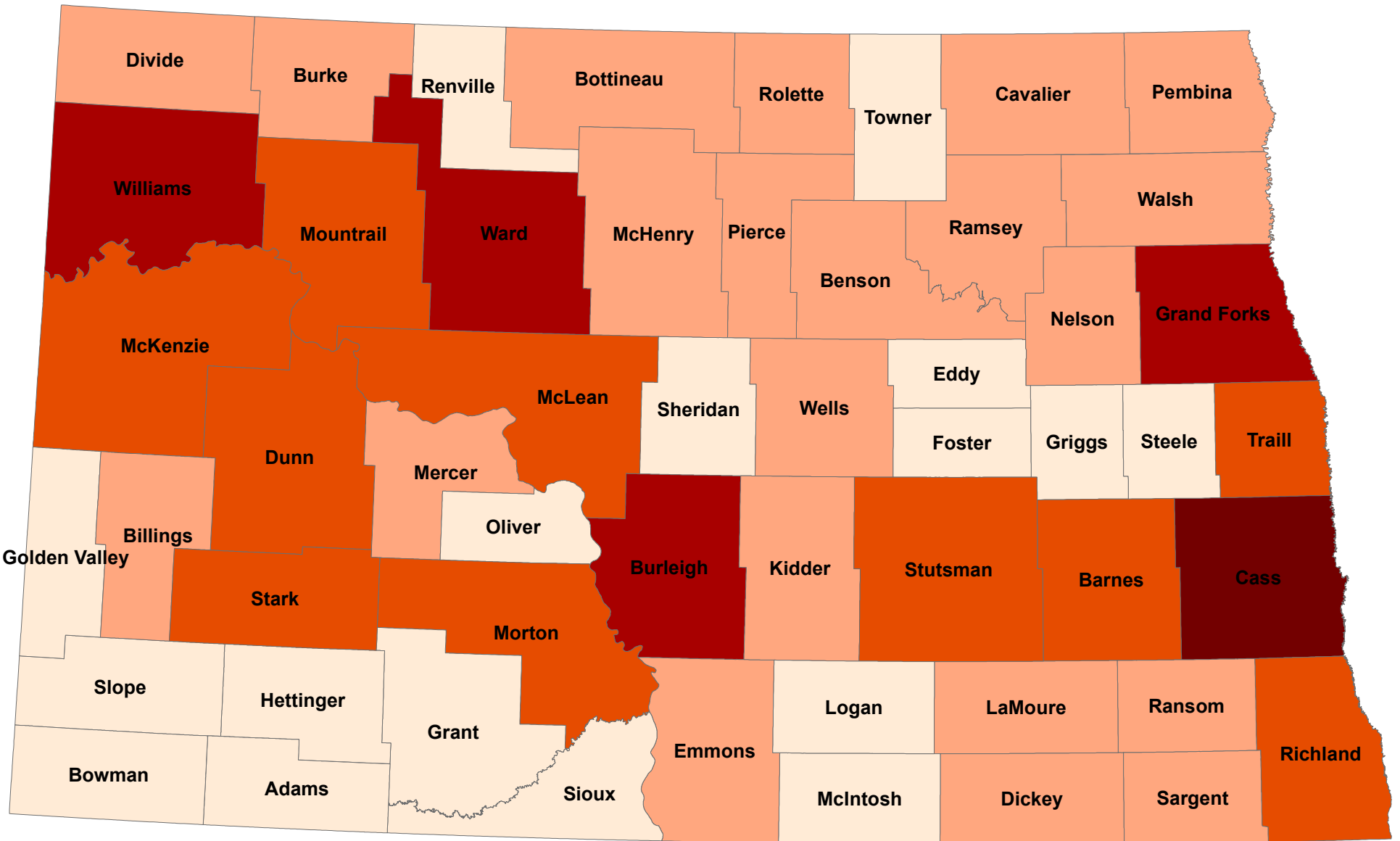
FUNCTIONAL CLASSES

- Interstate
- Principal Arterial
- Minor Arterial
- State Major Collector
- County Major Collector
- Local Road

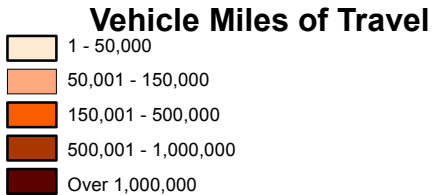
NOTES: - Data from page 45 of this report.
 - The size of each individual pie chart is representative of the total VMT in that county.

Planning & Asset Management Division
 Traffic Data Section
 December 2017

2017 TOTAL ANNUAL VEHICLE MILES OF TRAVEL



(48)



NOTES: - Data from page 46 of this report.
 - Vehicle miles of travel shown in thousands.

Planning & Asset Management Division
 Traffic Data Section
 December 2017

Statewide VMT

All State Highways

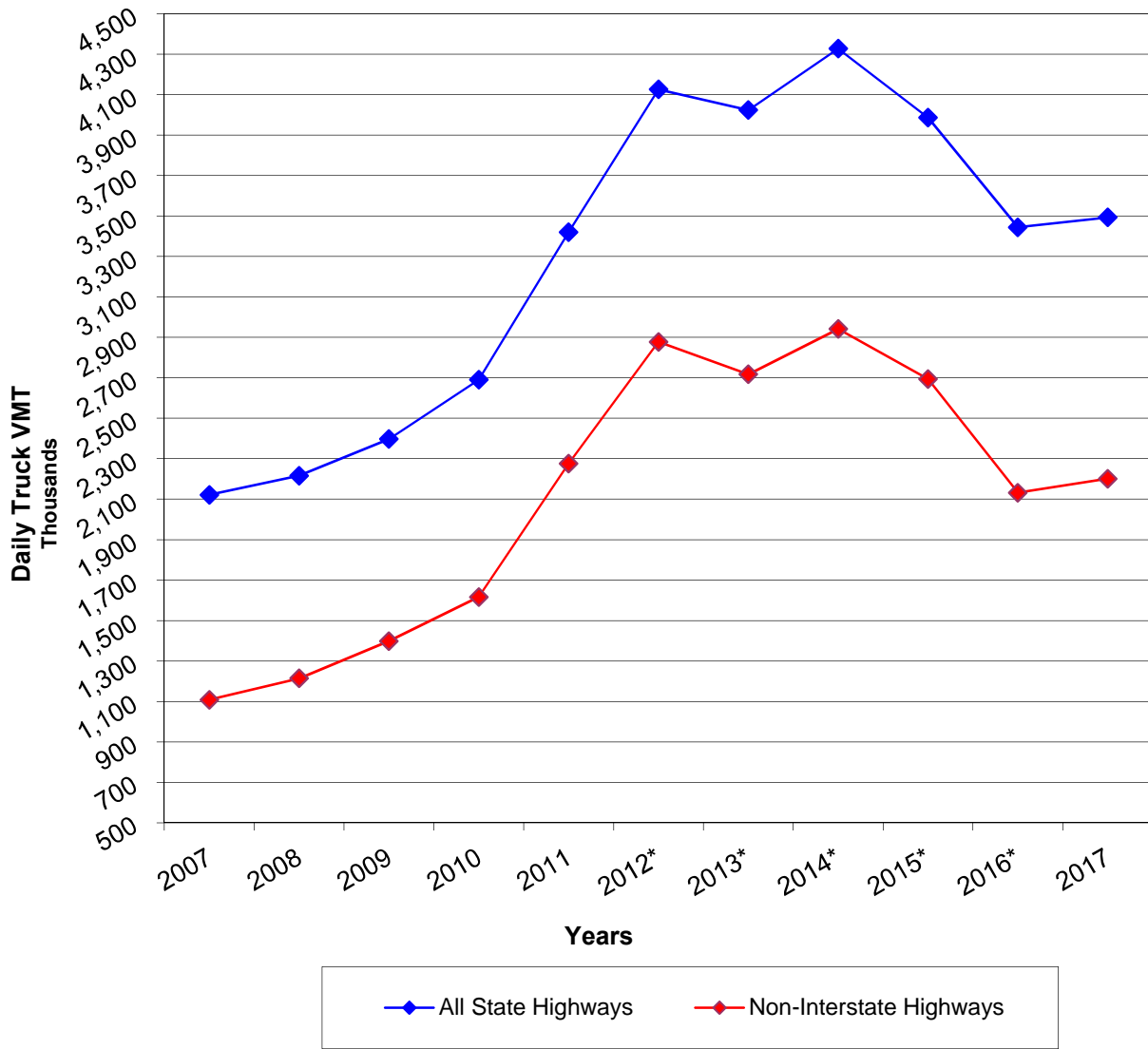
Years	Annual Daily VMT	Annual VMT	Annual Daily Truck VMT	Annual Truck VMT	% Total Trucks	% Combination Trucks
2001	12,069,946	4,405,530,290	1,959,965	715,387,225	16.24%	12.24%
2002	12,372,609	4,516,002,285	2,065,392	753,868,080	16.69%	12.69%
2003	12,584,059	4,593,181,535	2,132,255	778,273,075	16.94%	12.94%
2004	12,834,849	4,684,719,885	2,139,703	780,991,595	16.67%	12.67%
2005	12,843,726	4,687,959,947	2,109,678	770,032,420	16.43%	12.43%
2006	12,864,635	4,695,591,775	2,081,109	759,604,785	16.18%	12.18%
2007	13,143,830	4,797,497,950	2,121,611	774,388,015	16.14%	12.14%
2008	13,070,318	4,770,666,070	2,216,080	808,869,200	16.96%	12.96%
2009	13,924,765	5,082,539,225	2,397,242	874,993,330	17.22%	13.22%
2010	14,820,481	5,409,475,565	2,690,766	982,129,590	18.16%	14.16%
2011	16,243,388	5,928,836,620	3,420,858	1,248,613,170	21.06%	17.06%
2012*	18,188,950	6,638,966,750	4,126,648	1,506,226,520	22.69%	18.69%
2013*	17,989,497	6,566,166,405	4,024,038	1,468,773,870	22.37%	18.37%
2014*	18,522,863	6,760,844,995	4,327,820	1,579,654,300	23.36%	19.36%
2015*	17,532,226	6,399,262,490	3,986,324	1,455,008,260	22.74%	18.74%
2016*	16,825,387	6,141,266,255	3,444,562	1,257,265,130	20.47%	16.47%
2017	16,621,979	6,067,022,335	3,493,544	1,275,143,560	21.02%	17.02%

Non-Interstate Highways

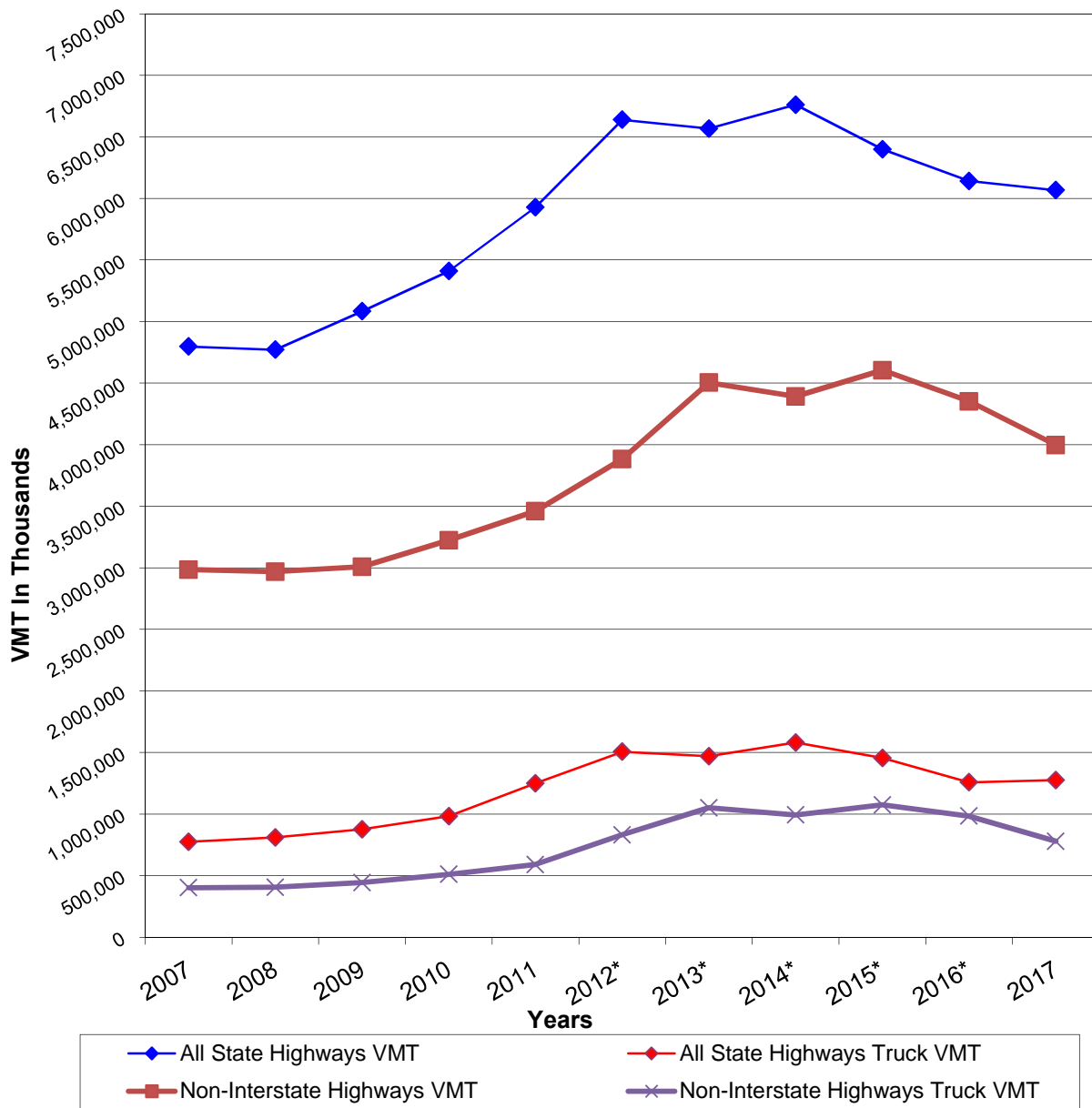
Years	Annual Daily VMT	Annual VMT	Annual Daily Truck VMT	Annual Truck VMT	% Total Trucks	% Combination Trucks
2001	7,872,873	2,873,598,645	1,092,789	398,867,985	13.88%	10.88%
2002	7,998,087	2,919,301,755	1,169,617	426,910,205	14.62%	11.62%
2003	8,063,953	2,943,342,845	1,210,348	441,777,020	15.01%	12.01%
2004	8,106,756	2,958,965,940	1,181,721	431,328,165	14.58%	11.58%
2005	8,161,190	2,978,834,350	1,154,376	421,347,240	14.14%	11.14%
2006	8,177,826	2,984,906,490	1,100,032	401,511,680	13.45%	10.45%
2007	8,131,192	2,967,885,080	1,108,160	404,478,400	13.63%	10.63%
2008	8,242,828	3,008,632,220	1,213,812	443,041,380	14.73%	11.73%
2009	8,831,321	3,223,432,165	1,398,467	510,440,455	15.84%	12.84%
2010	9,480,532	3,460,394,180	1,616,106	589,878,690	17.05%	14.05%
2011	10,638,070	3,882,895,550	2,276,547	830,939,655	21.40%	18.40%
2012*	12,340,661	4,504,341,265	2,877,575	1,050,314,875	23.32%	20.32%
2013*	12,030,216	4,391,028,840	2,717,769	991,985,685	22.59%	19.59%
2014*	12,615,780	4,604,759,700	2,941,677	1,073,712,105	23.32%	20.32%
2015*	11,922,369	4,351,664,685	2,693,501	983,127,865	22.59%	19.59%
2016*	10,948,786	3,996,306,890	2,131,866	778,131,090	19.47%	16.47%
2017	10,878,158	3,970,527,670	2,200,746	803,272,290	20.23%	17.23%

*VMT Numbers were revised because errors were found and corrected.

Annual Daily Truck VMT for Statewide



Annual VMT for Statewide



VMT for Interstate

I-94

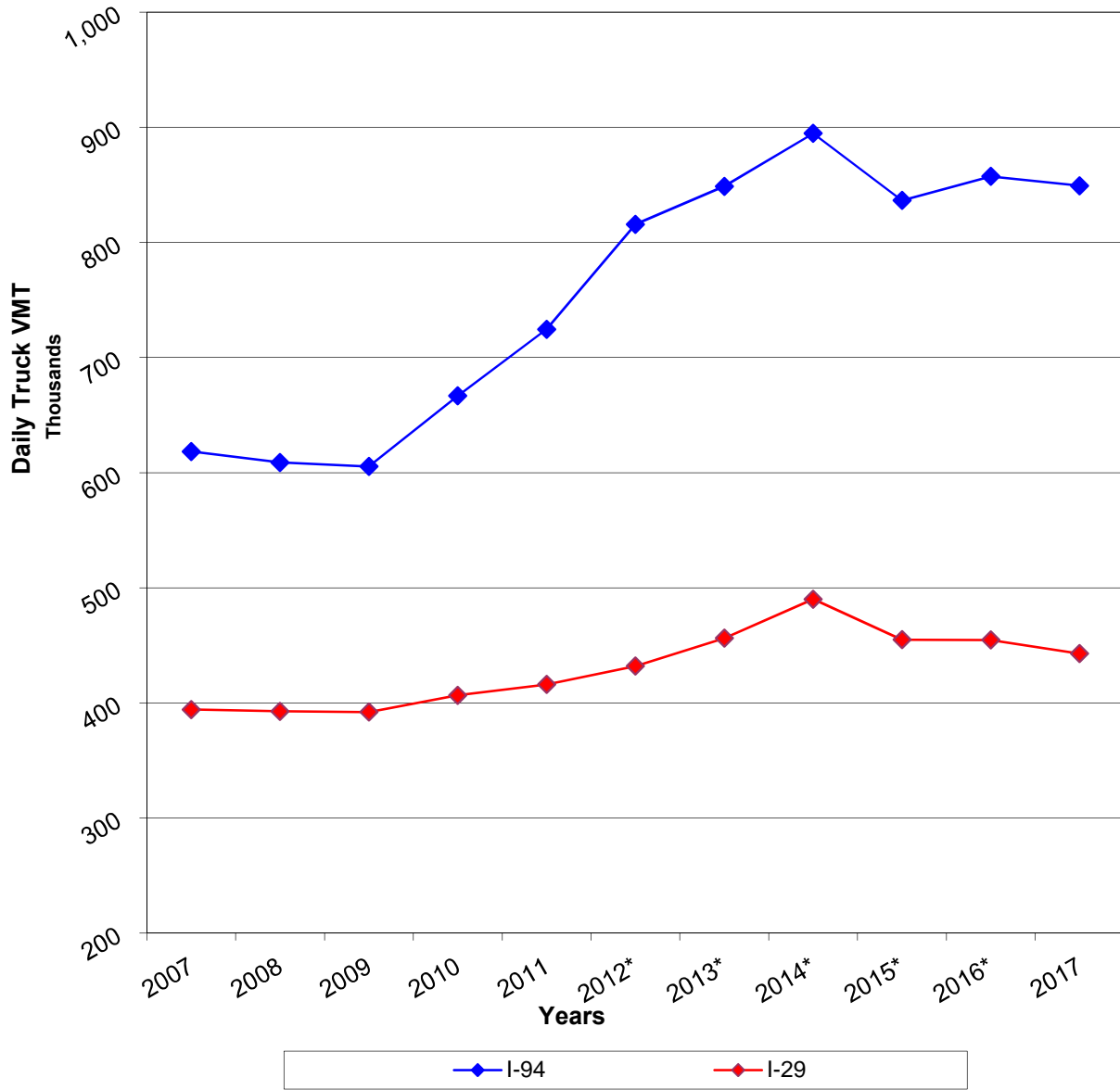
Years	Annual Daily VMT	Annual VMT	Annual Daily Truck VMT	Annual Truck VMT	% Total Trucks	% Combination Trucks
2000	2,556,535	933,135,275	470,392	171,693,080	18.40%	14.40%
2001	2,526,691	922,242,215	521,943	190,509,195	20.66%	16.66%
2002	2,635,093	961,808,945	524,858	191,573,170	19.92%	15.92%
2003	2,692,975	982,935,875	536,105	195,678,325	19.91%	15.91%
2004	2,860,897	1,044,227,405	563,806	205,789,190	19.71%	15.71%
2005	2,821,424	1,029,819,585	563,819	205,794,052	19.98%	15.98%
2006	2,798,960	1,021,620,400	589,420	215,138,300	21.06%	17.06%
2007	3,017,981	1,101,563,065	618,409	225,719,285	20.49%	16.49%
2008	2,850,232	1,040,334,680	608,886	222,243,390	21.36%	17.36%
2009	3,023,712	1,103,654,880	605,289	220,930,485	20.02%	16.02%
2010	3,234,497	1,180,591,405	666,693	243,342,945	20.61%	16.61%
2011	3,521,263	1,285,260,995	724,509	264,445,785	20.58%	16.58%
2012*	3,728,704	1,360,976,960	815,711	297,734,515	21.88%	17.88%
2013*	3,775,958	1,378,224,670	848,650	309,757,250	22.48%	18.48%
2014*	3,733,346	1,362,671,290	894,609	326,532,285	23.96%	19.96%
2015*	3,539,973	1,292,090,145	836,489	305,318,485	23.63%	19.63%
2016*	3,751,447	1,369,278,155	857,303	312,915,595	22.85%	18.85%
2017	3,651,977	1,332,971,605	849,192	309,955,080	23.25%	19.25%

I-29

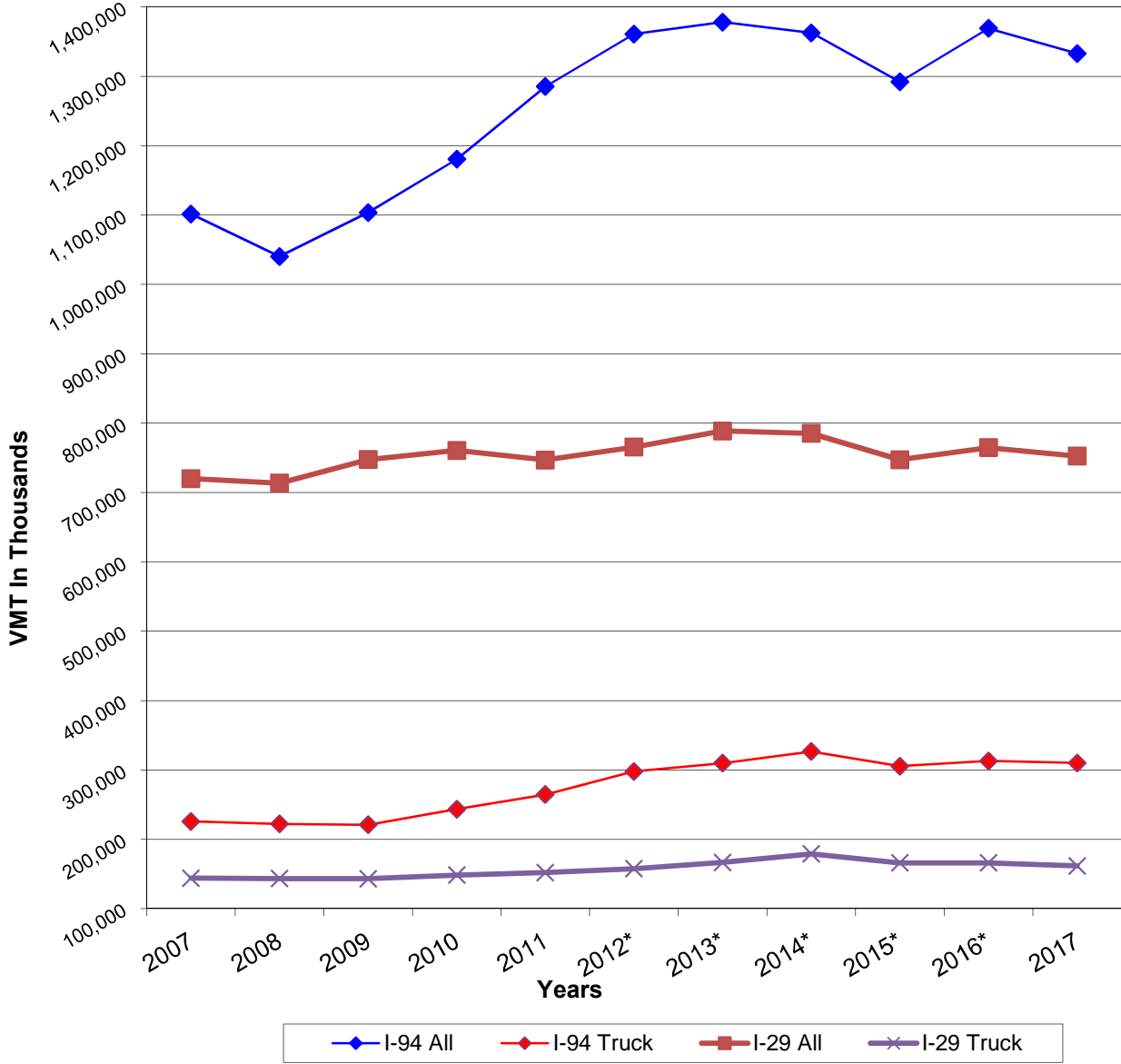
Years	Annual Daily VMT	Annual VMT	Annual Daily Truck VMT	Annual Truck VMT	% Total Trucks	% Combination Trucks
2000	1,617,021	590,212,665	318,869	116,387,185	19.72%	16.72%
2001	1,670,382	609,689,430	345,233	126,010,045	20.67%	17.67%
2002	1,739,429	634,891,585	370,917	135,384,705	21.32%	18.32%
2003	1,827,132	666,903,180	385,802	140,817,730	21.12%	18.12%
2004	1,867,196	681,526,540	394,176	143,874,240	21.11%	18.11%
2005	1,861,112	679,305,752	391,483	142,891,441	21.03%	18.03%
2006	1,887,849	689,064,885	391,657	142,954,805	20.75%	17.75%
2007	1,972,376	719,917,240	394,295	143,917,675	19.99%	16.99%
2008	1,954,977	713,566,605	392,635	143,311,775	20.08%	17.08%
2009	2,048,101	747,556,865	392,097	143,115,405	19.14%	16.14%
2010	2,083,822	760,595,030	406,578	148,400,970	19.51%	16.51%
2011	2,045,921	746,761,165	416,022	151,848,030	20.33%	17.33%
2012*	2,097,149	765,459,385	431,953	157,662,845	20.60%	17.60%
2013*	2,160,887	788,723,755	456,210	166,516,650	21.11%	18.11%
2014*	2,151,301	785,224,865	490,125	178,895,625	22.78%	19.78%
2015*	2,047,448	747,318,520	454,925	166,047,625	22.22%	19.22%
2016*	2,094,994	764,672,810	454,622	165,937,030	21.70%	18.70%
2017	2,061,684	752,514,660	442,835	161,634,775	21.48%	18.48%

*VMT Numbers were revised because errors were found and corrected.

Annual Daily Truck VMT for Interstate



Annual VMT for Interstate

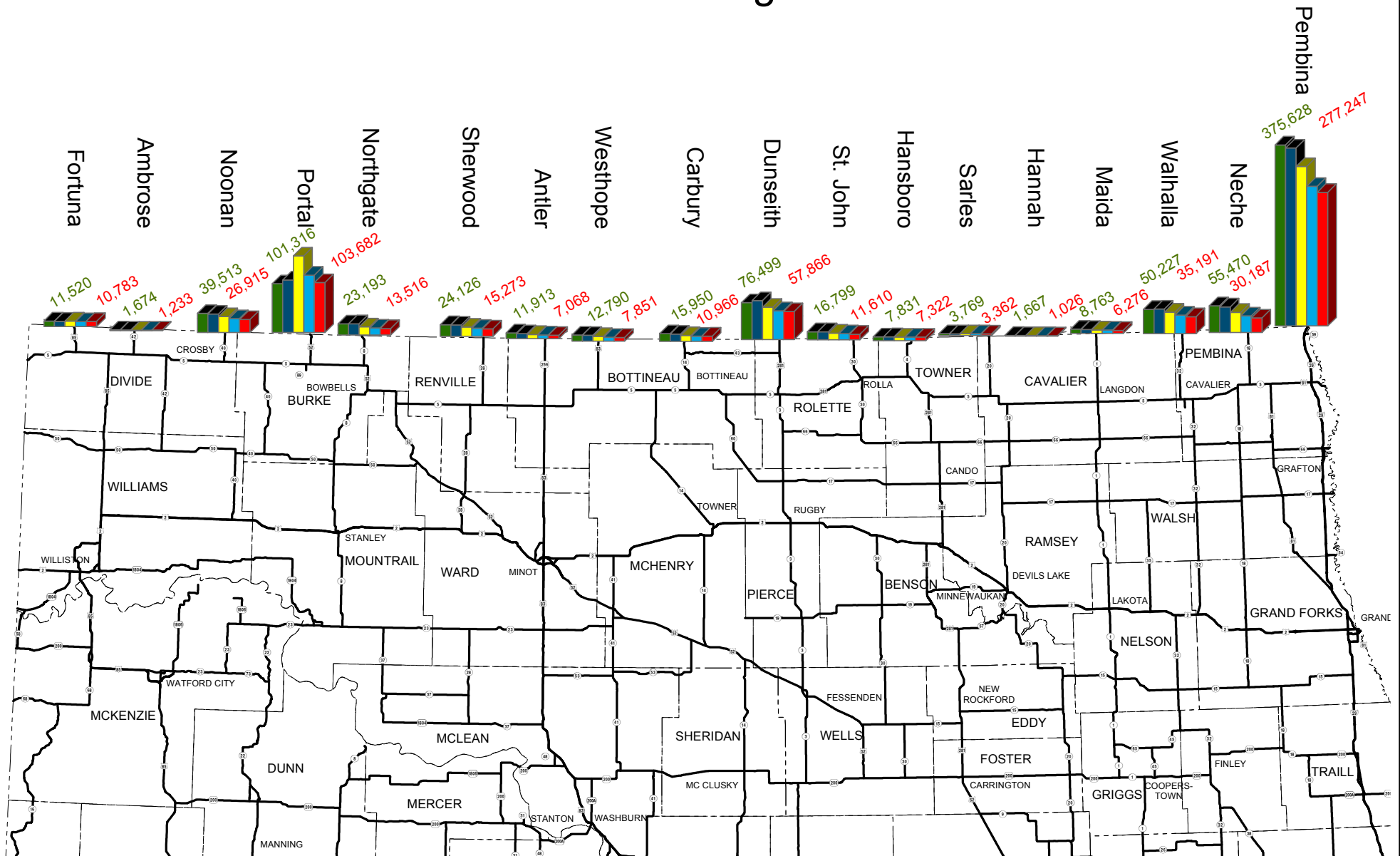


BORDER CROSSINGS
(VEHICLES ENTERING THE UNITED STATES FROM CANADA)

PORT OF ENTRY	HWY	----- AUTOMOBILES -----			----- TRUCKS -----		
		FISCAL 2016	FISCAL 2017	% CHANGE	FISCAL 2016	FISCAL 2017	% CHANGE
FORTUNA	85	10,418	10,783	3.50%	8,059	4,686	-41.85%
AMBROSE	42	1,037	1,233	18.90%	10	12	20.00%
NOONAN	40	28,829	26,915	-6.64%	4,321	3,581	-17.13%
PORTAL	52	118,974	103,682	-12.85%	72,185	81,981	13.57%
NORTHGATE	8	14,695	13,516	-8.02%	11,360	12,689	11.70%
SHERWOOD	28	16,827	15,273	-9.24%	6,938	6,649	-4.17%
ANTLER	256	7,689	7,068	-8.08%	952	1,813	90.44%
WESTHOPE	83	8,125	7,851	-3.37%	10,417	9,131	-12.35%
CARBURY	14	10,657	10,966	2.90%	1,315	1,588	20.76%
DUNSEITH	281	59,667	57,866	-3.02%	25,654	25,513	-0.55%
ST. JOHN	30	12,646	11,610	-8.19%	378	479	26.72%
HANSBORO	4	7,306	7,322	0.22%	383	308	-19.58%
SARLES	20	3,873	3,362	-13.19%	988	1,081	9.41%
HANNAH	CMC 1013	1,095	1,026	-6.30%	70	172	145.71%
MAIDA	1	6,944	6,276	-9.62%	2,318	1,386	-40.21%
WALHALLA	32	38,469	35,191	-8.52%	8,530	7,253	-14.97%
NECHE	18	34,211	30,187	-11.76%	9,160	7,708	-15.85%
PEMBINA	I-29	289,745	277,247	-4.31%	215,867	214,218	-0.76%
TOTAL		671,207	627,374	-6.53%	378,905	380,248	0.35%

Total Auto Volume Entering from Canada

(56)



Bar Chart Years

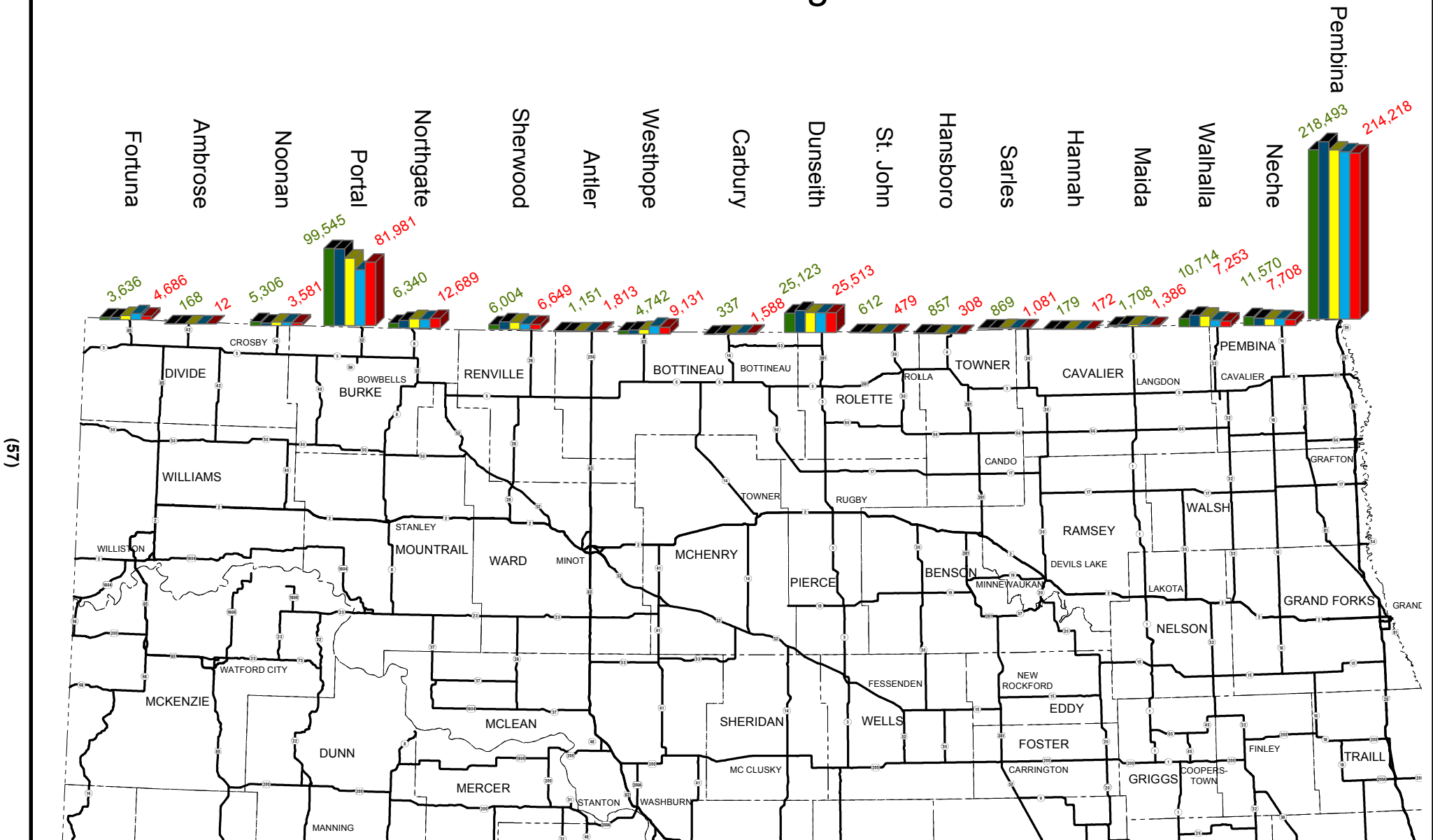
- 2013
- 2014
- 2015
- 2016
- 2017

NOTE - The size of the bar chart corresponds to total autos by border crossing.
 - The numbers given above the charts are for the years 2013 (green) and 2017 (red).
 - This border crossing data is provided by the U.S. Department of Homeland Security.
 - The reporting period was for the 2017 fiscal year which ran from Oct. 1, 2016 to Sept. 30, 2017.



Planning & Asset Management Division
 Traffic Data Section
 December 2017

Total Truck Volume Entering from Canada



(57)

Bar Chart Years

- 2013
- 2014
- 2015
- 2016
- 2017

NOTE - The size of the bar chart corresponds to total trucks by border crossing.
 - The numbers given above the charts are for the years 2013 (green) and 2017 (red).
 - This border crossing data is provided by the U.S. Department of Homeland Security.
 - The reporting period was for the 2017 fiscal year which ran from Oct. 1, 2016 to Sept. 30, 2017.



Planning & Asset Management Division
 Traffic Data Section
 December 2017