

NORTH DAKOTA 2018 TRAFFIC REPORT



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

February 2019

NORTH DAKOTA 2018 TRAFFIC REPORT

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

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OVERVIEW

This report contains summaries of data obtained from studies conducted in 2018 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 81 ATR stations with their locations are presented on pages 8, 9 and 10. The counter locations are shown on the map on page 11.
2. Short-term traffic counts were obtained with portable equipment. Short term counts were obtained at approximately 3100 locations on various highways, roads, and streets primarily in the eastern 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 12.

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://gis.dot.nd.gov/external/ge_html/?viewer=ext_transinfo

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)	REG.	PER VEHICLE REG.	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	
2018	760	944	0.81	766	124.21	10,451	12,982	9,866	

FUEL TAXED INCLUDES GALLONS OF GAS FOR OTHER THAN MOTOR VEHICLES

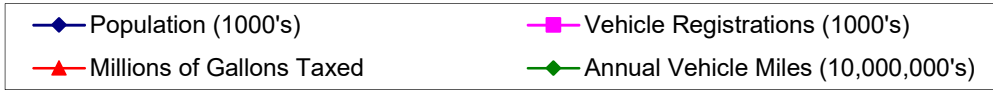
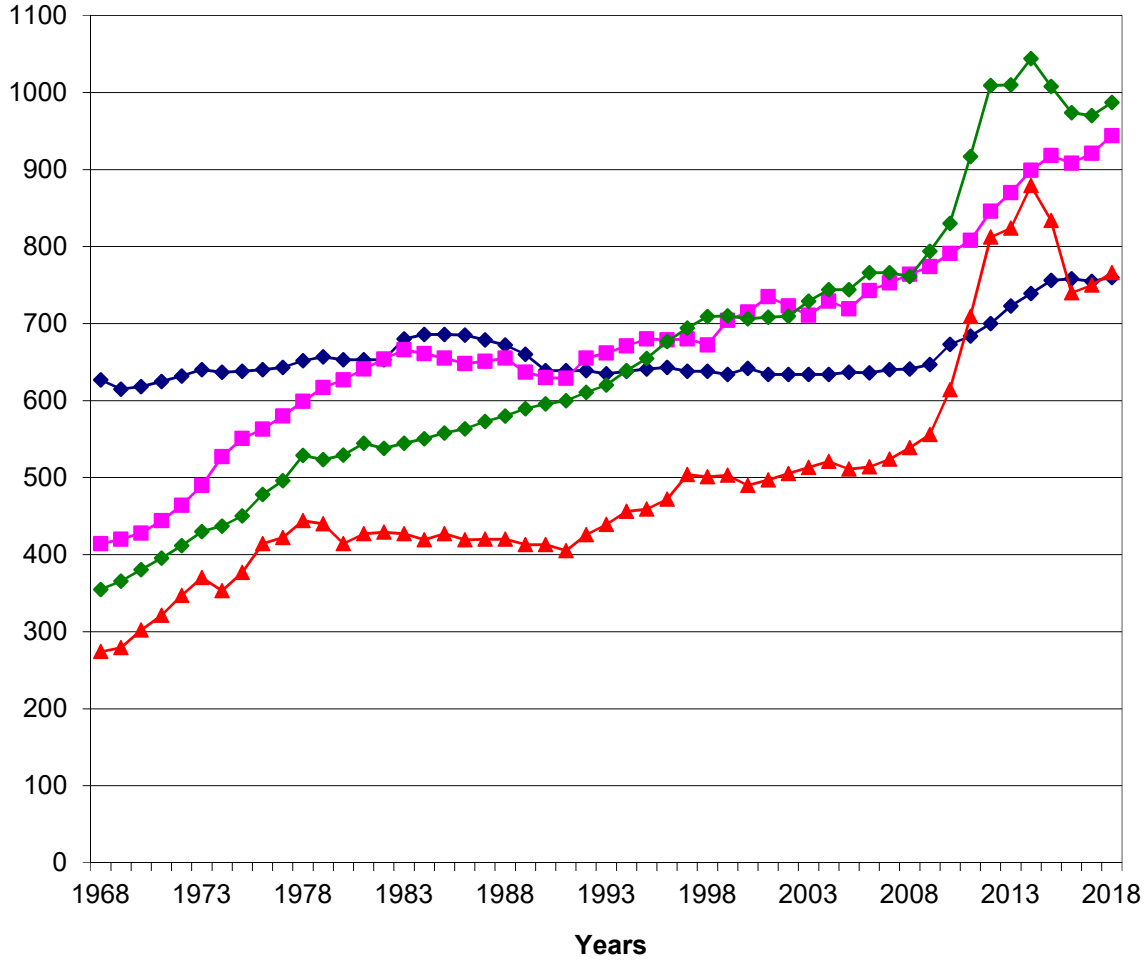
Annual Vehicle Miles figures are for all roads in the state including trails and unimproved roads

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

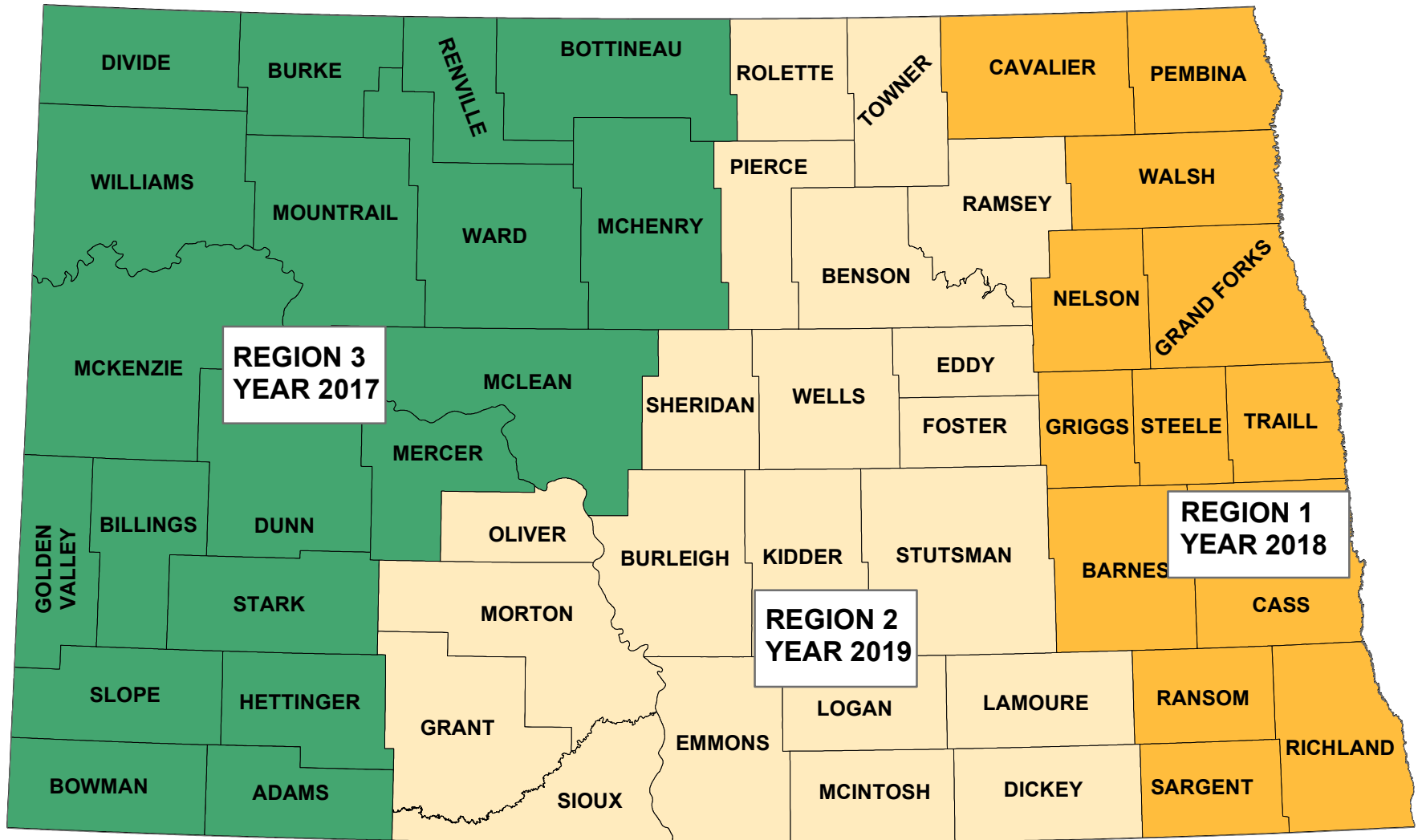
For the Years 1968 - 2018



North Dakota Department of Transportation Current Traffic Counting Cycle



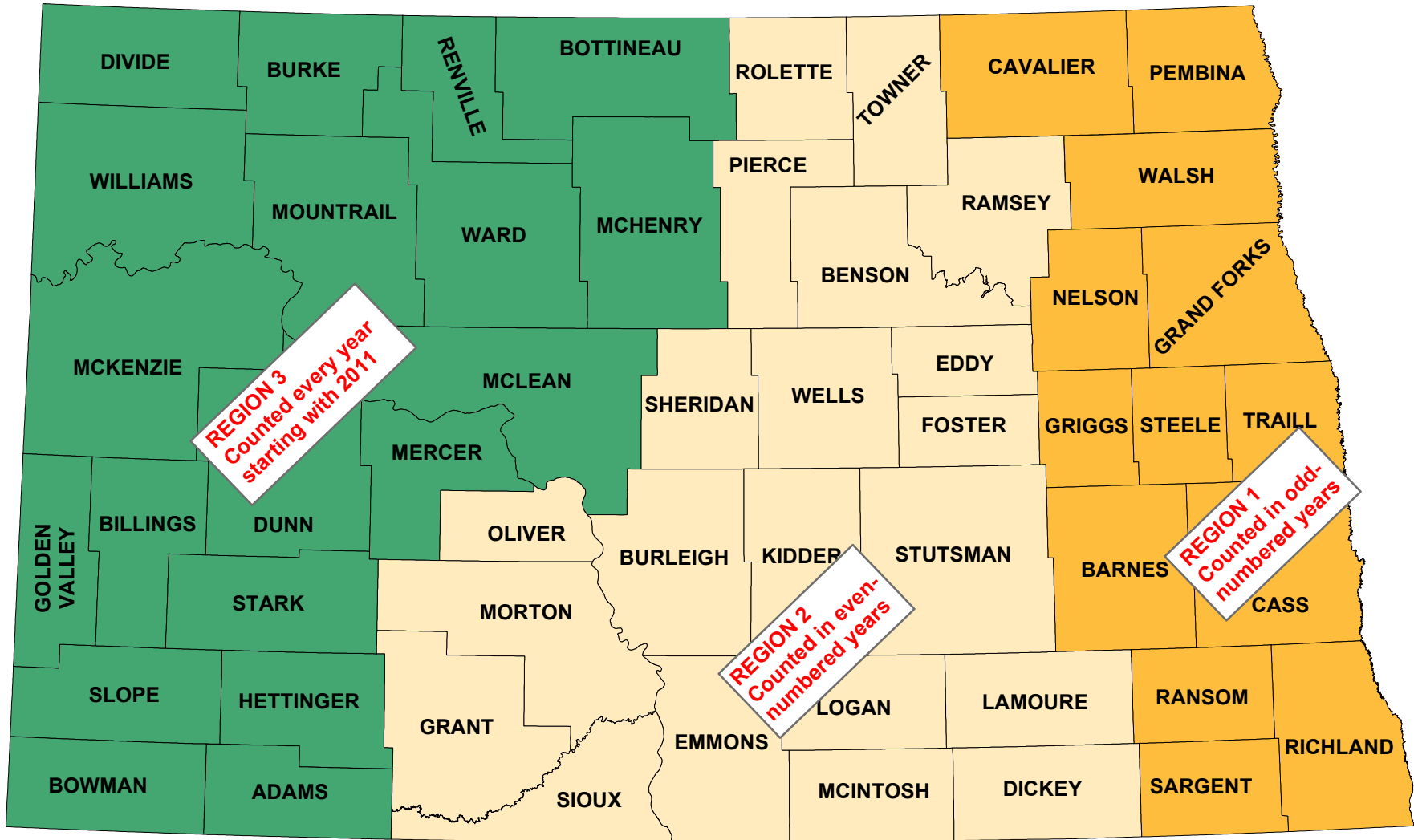
Region 3 and one other region per year were counted from 2012 to 2016.
One region is counted per year starting in 2017. Region 3 is no longer counted every year.



(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	2018	2021
West Fargo	2018	2021
Wahpeton	2018	2021
Valley City	2018	2021
Grand Forks	2018	2021
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
299	KILLDEER200W	200	88.000	0.5200	Class	6.7 MILES WEST OF JCT. ND 22 AND ND 200
303	MICHIGAN	2	296.000	0.6500	Class	4.0 MILES EAST OF ND 1

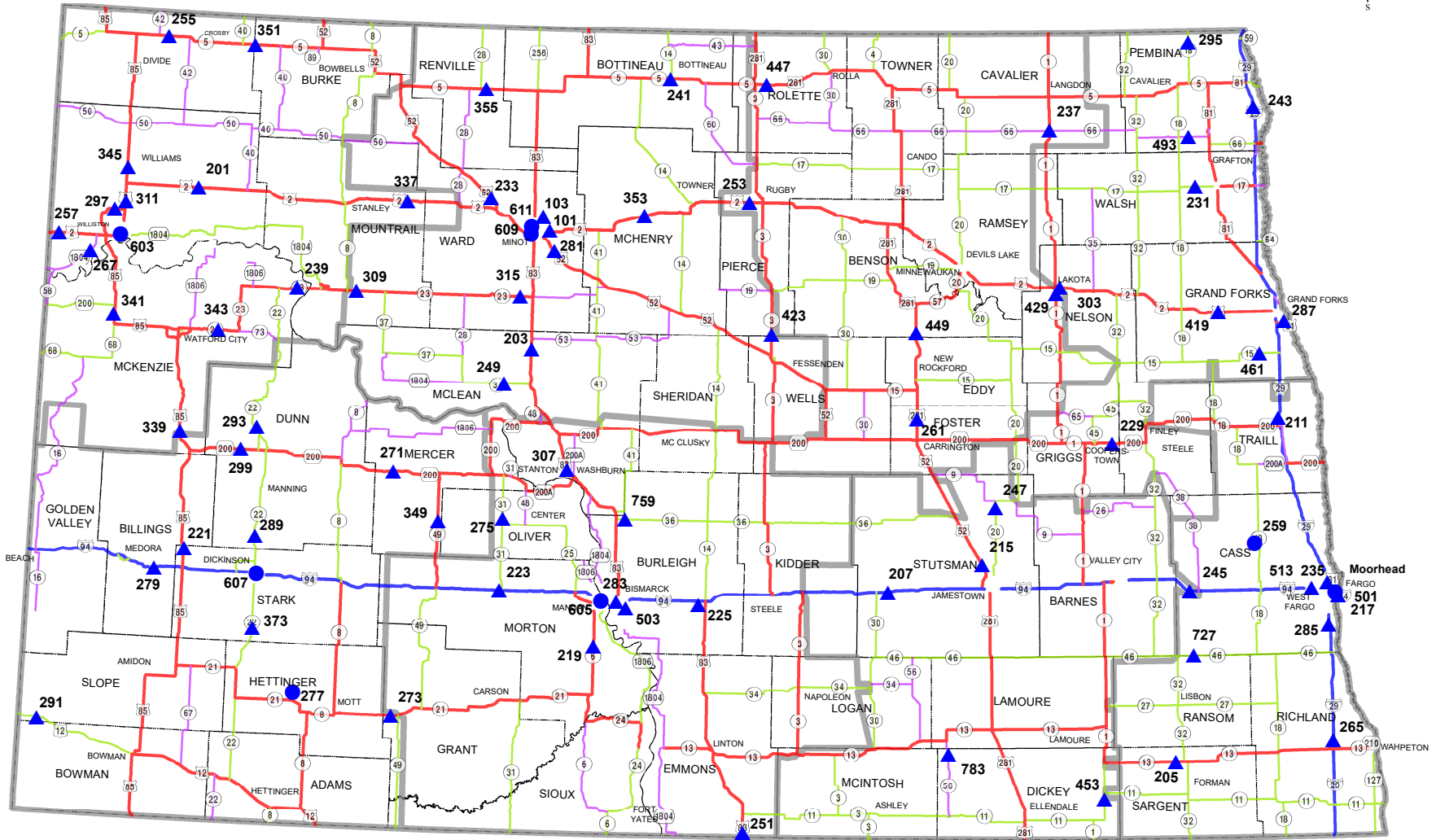
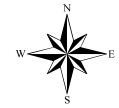
**NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
ATR LOCATIONS**

STATION	NAME	HIGHWAY	REF POINT	OFF SET	TYPE	LOCATION
RURAL PRINCIPAL ARTERIAL						
307	WASHBURN	83	130.000	0.7300	Class	NORTH OF WASHBURN
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
353	GRANVILLE_E2	2	177.000	0.7600	Class	8.3 MILES EAST OF GRANVILLE
355	MOHALL_W5__	5	121.000	0.9700	Class	3.6 MILES WEST OF MOHALL
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.

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
ATR LOCATIONS

STATION	NAME	HIGHWAY	REF POINT	OFF SET	TYPE	LOCATION
URBAN COLLECTOR AND LOCAL URBAN						
609	MINOT (U)				Volume	16TH AVE BET. 12TH ST SW. & 17TH AVE. SW.

Automatic Traffic Recorder (ATR) Locations



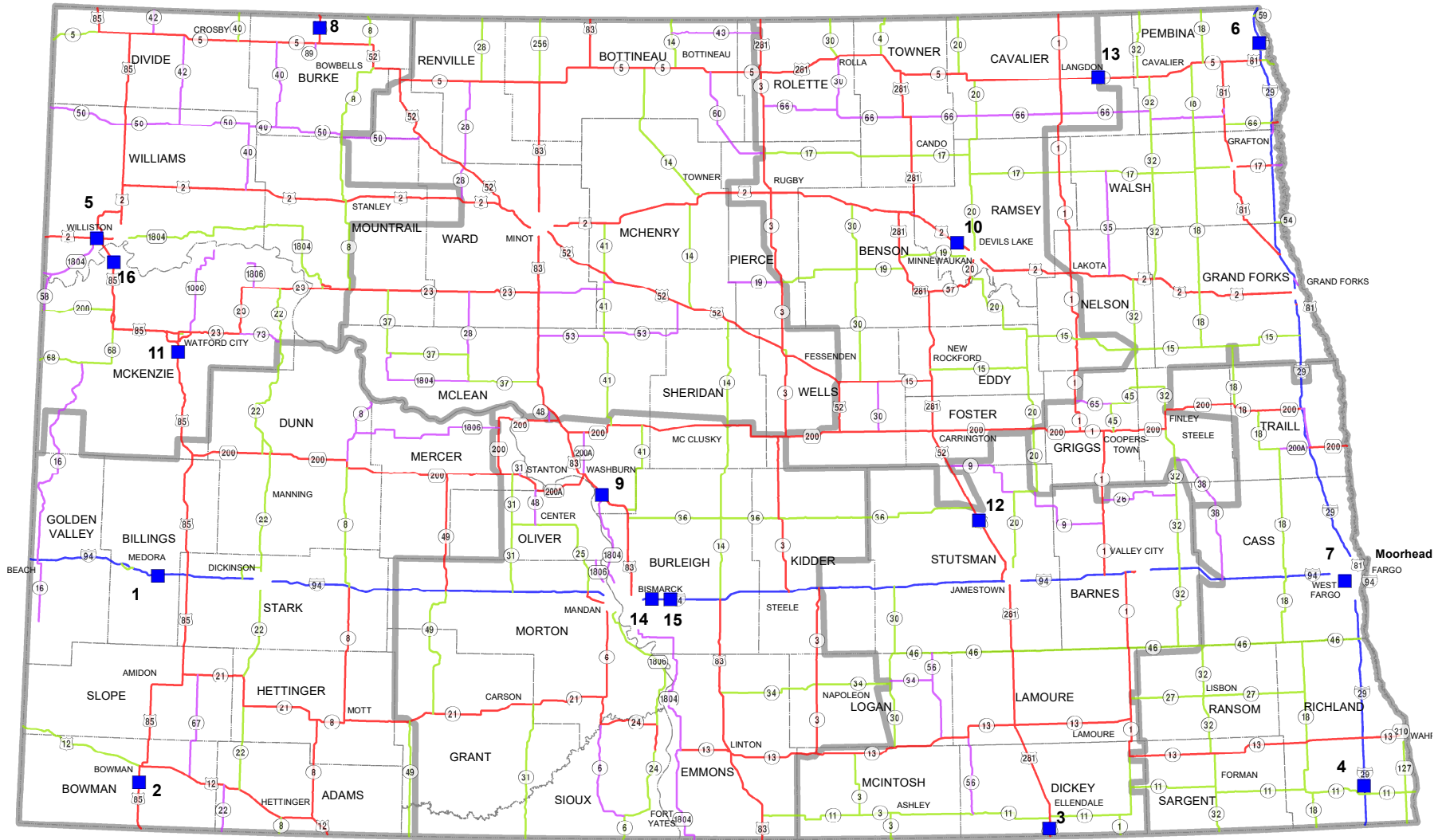
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Station Type	Functional Class	Number of ATR Stations
▲ Class	Blue Interstate Rural	8 Rural Interstate
● Volume	Red Principal Arterial Rural	40 Rural Principal Arterial
	Green Minor Arterial Rural	13 Rural Minor Arterial
	Purple Major Collector	8 Rural Major Collector
		3 Urban Interstate
		6 Urban Principal Arterial
		2 Urban Minor Arterial
		1 Urban Collector

Planning & Asset Management Division
 Traffic Data Section
 January 2018

File pathway: F:\PLANNING\REIS\shjeflo\Reports\Annual 2018\ArcMap\ATR Locations_2018.mxd

Weigh - In - Motion Locations



(12)

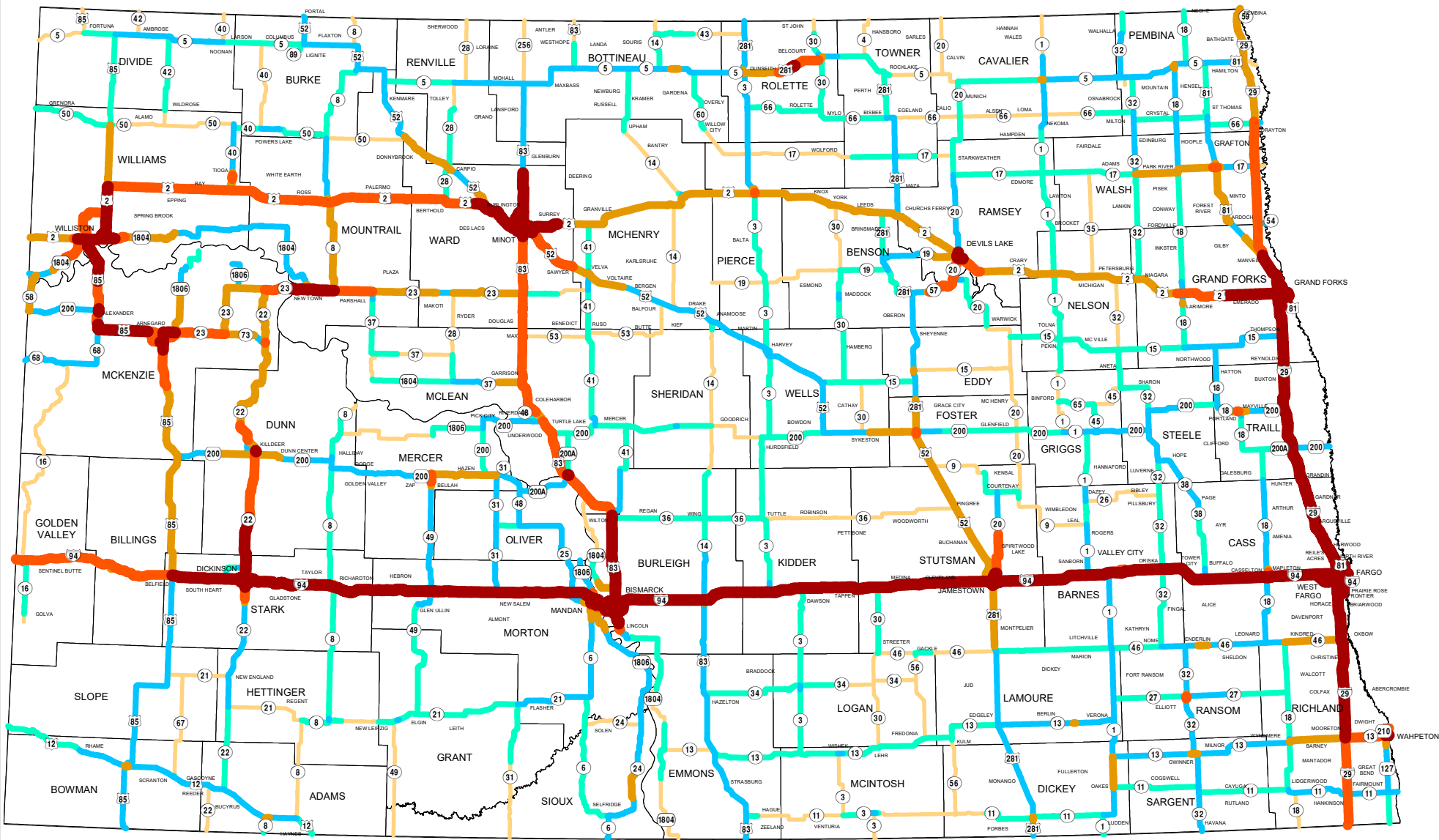
■ WIM Sites

- | | | | |
|---------------|----------------|-------------------|-----------------------|
| 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 2019

File pathway: F:\PLANNING\NREIS\shjeflo\Reports\Annual 2018\ArcMap\WIM Locations 2018.mxd

Annual Average Daily Traffic (2018)



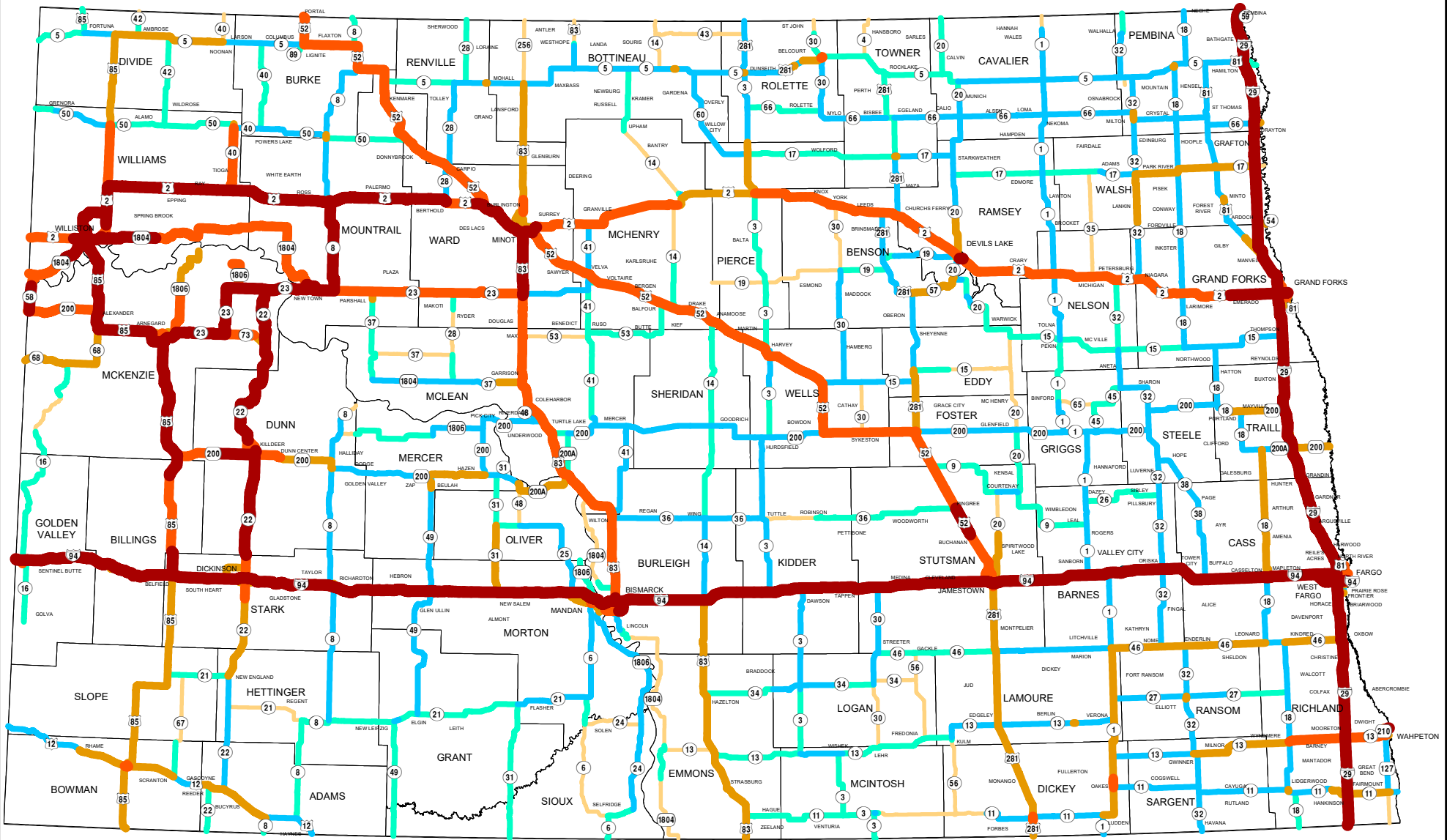
(15)

Notes: - Data from 2018 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	2000 - 3999
350 - 749	4000 - 6999
750 - 1999	7000 and greater

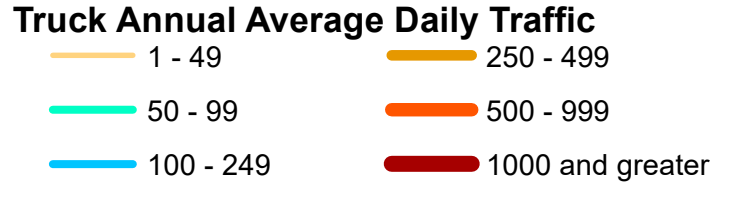
Planning & Asset Management Division
 Traffic Data Section
 February 2019

Truck Annual Average Daily Traffic (2018)



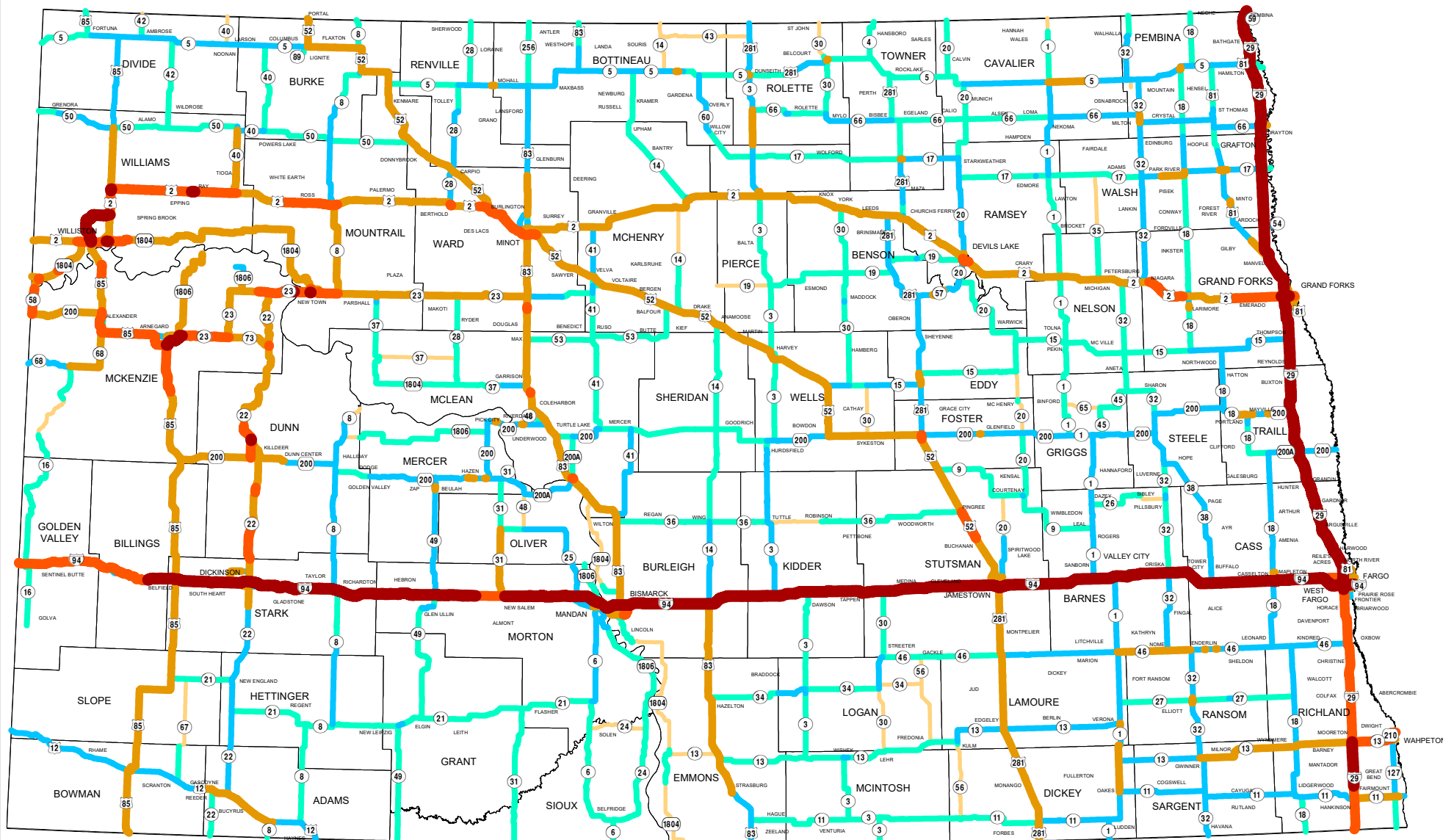
(16)

Notes: - Data from 2018 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).



Planning & Asset Management Division
 Traffic Data Section
 February 2019

Equivalent Single Axle Loads (ESALs) 2018




(17)

Notes: - Data from 2018 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		250 - 999
	26 - 99		1000 - 1999
	100 - 249		2000 and greater

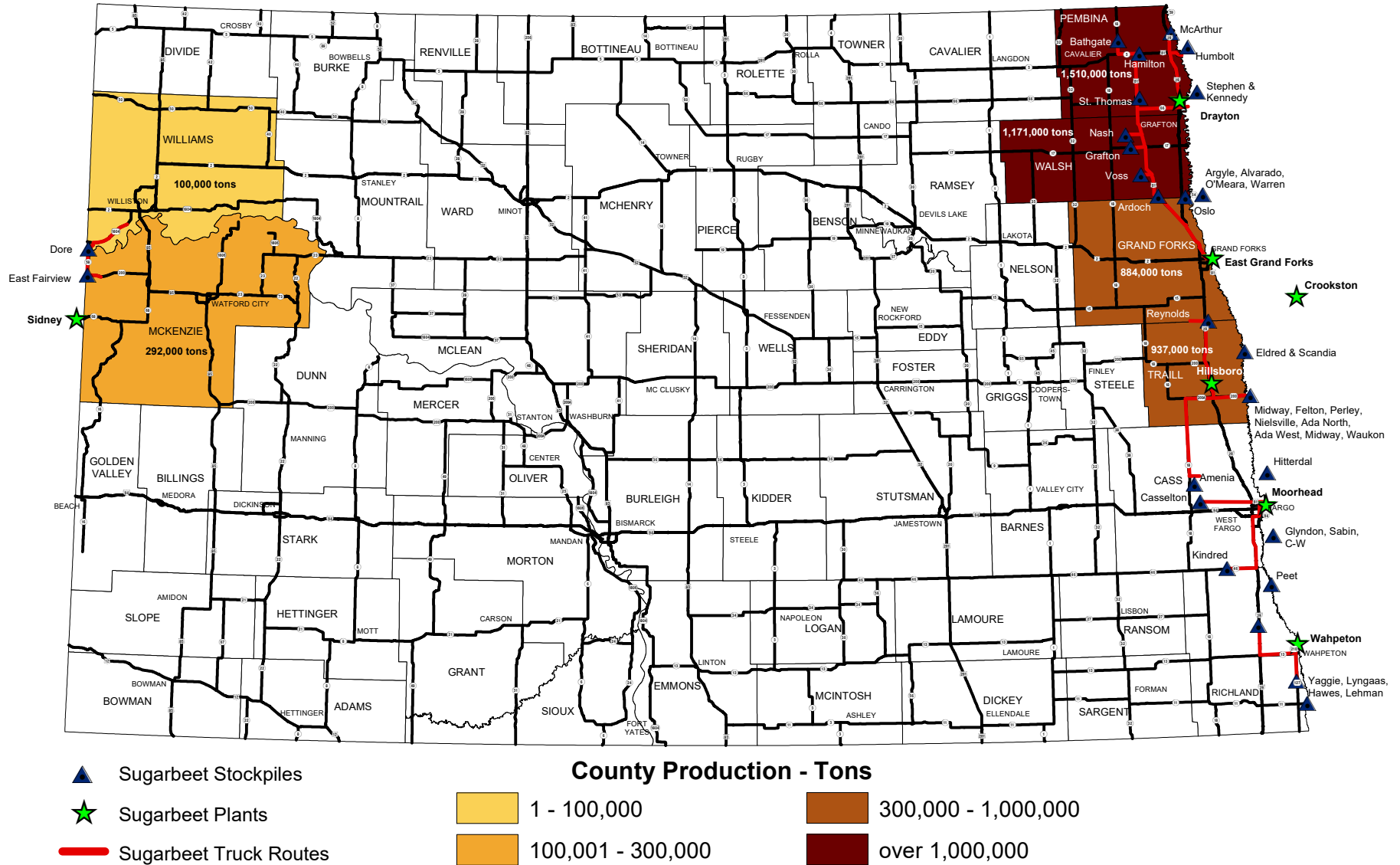
Planning & Asset Management Division
 Traffic Data Section
 December 2018



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



(18)

Data is from the USDA, National Agricultural Statistics Service.
 County production totals are for the 2017 production year because 2018 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 6,445,000 tons.



Planning & Asset Management Division
 Traffic Data Section
 December 2018

PERMANENT STATION COMPARISON OF AADT BY YEAR

STATION NUMBER	LOCATION	1998	2000	2002	2004	2006	2008	2010	2012	2014	2015	2016	2017	2018	% CHANGE 2018/2017	% CHANGE 2018/2008	% CHANGE 2018/1998	
URBAN INTERSTATE 94																		
217	FARGO (U)	49528	49794	54812	61932	61479	63417	64983	67708	70183	73191	72116	73505	73886	0.5%	16.5%	49.2%	
283	BISMARCK (U)	16606	17656	17396	18782	21507	22085	23727	25722	27738	28891	29629	25986	30006	15.5%	35.9%	80.7%	
	MEAN	33067	33725	36104	40357	41493	42751	44355	46715	48961	51041	50873	49746	51946	8.0%	26.2%	64.9%	
RURAL INTERSTATE 94																		
207	MEDINA	6390	6528	6900	6810	6706	6595	7478	8652	8598	8825	8732	8551	8340	-2.5%	26.5%	30.5%	
223	NEW SALEM			5968	6088	6116	6195	7000	8638	9320	9831	8726	8456	8384	-0.9%	35.3%	--	
245	TOWER CITY	8066	8370	8292	9266	9173	9340	10464	11453	12178	12132	11985	11829	11659	-1.4%	24.8%	44.5%	
279	PAINTED CANYON	3370	3528	3726	3596	3668	3554	3893	4815	5067	5760	3865	4487	4414	-1.6%	24.2%	31.0%	
	MEAN	5942	6142	6222	6440	6416	6421	7209	8390	8791	9137	8327	8331	8199	-1.6%	27.7%	35.3%	
URBAN INTERSTATE 29																		
235	FARGO (U)	25860		22070	24808	25790	27503	35153	30814	31177	32532	33593	34215	36930	7.9%	34.3%	42.8%	
	MEAN	25860		22070	24808	25790	27503	35153	30814	31177	32532	33593	34215	36930	7.9%	34.3%	42.8%	
RURAL INTERSTATE 29																		
211	BUXTON	9018	9144	9862	10526	10532	10630	11278	11752	12062	12239	12405	12500	12469	-0.2%	17.3%	38.3%	
243	BOWESMONT	2872	2860	2806	2980	3146	3559	3626	3775	3776	3332	3248	3338	3293	-1.3%	-7.5%	14.7%	
265	MOORETON	5044	5130	5294	5914	5940	5823	6385	6422	6807	7002	7092	7181	6997	-2.6%	20.2%	38.7%	
285	DAVENPORT			8920	10098	10151	9777	10901	11056	11276	11567	11888	12377	12389	0.1%	26.7%	--	
	MEAN	5645	5711	6721	7380	7442	7447	8048	8251	8480	8535	8658	8849	8787	-1.0%	14.2%	30.5%	
RURAL PRINCIPAL ARTERIAL																		
201	RAY	1570	1618	1678	1660	1873	2678	4367	9307	8665	6980	5103	5205	5327	2.3%	98.9%	239.3%	
203	MAX	3130	3366	3532	3600	3612	3702	5003	5516	5529	5345	5026	5035	4876	-3.2%	31.7%	55.8%	
205	GWINNER	1026	1146	1118	1266	1255	1109	1216	1189	1203	1227	1176	1178	1212	2.9%	9.3%	18.1%	
209	MINOT	9204													--	--	--	
213	LAKOTA	3212													--	--	--	
215	JAMESTOWN		2740	2738	2660	2716	2845	3170	3482	3695	3636	3518	3512	3439	-2.1%	20.9%	--	
219	MANDAN	1450	1494	1536	1538	1518	1471	1615	1621	1668	1799	2332	2142	1753	-18.2%	19.2%	20.9%	
221	FAIRFIELD	1356	1370	1408	1436	1649	1808	2120	4595	4672	4183	3235	3262	3504	7.4%	93.8%	158.4%	
229	COOPERSTOWN	960		894	896	827	845	927	921	880	872	855	829	813	-1.9%	-3.8%	-15.3%	
233	FOXHOLM	1926	1832	1894	1870	1899	2177	2491	3075	2930	2596	2376	2390	2296	-3.9%	5.5%	19.2%	
237	NEKOMA	694		760	754	686	785	814	782	868	871	869	878	922	5.0%	17.5%	32.9%	
239	NEW TOWN	1382	1520	1606	1682	1599	2357	3703	6474	7765	6542	5123	5836	6362	9.0%	169.9%	360.3%	
241	BOTTINEAU	932	996	950	1018	946	1050	1239	1364	1382	1352	1313	1302	1230	-5.5%	17.1%	32.0%	
251	HAGUE	640	710	770	740	589	746	867	885	909	912	1000	865	832	-3.8%	11.5%	30.0%	
253	RUGBY	2766		2748	2642	2475	2730	2775	3162	3192	3145	3026	2961	2877	-2.8%	5.4%	4.0%	
255	CROSBY	584	492	532	554	574	598	842	1502	1638	1337	994	872	837	-4.0%	40.0%	43.3%	
257	WILLISTON	1236		1208	1186	1229	1251	1620	3235	2958	2478	1875	2140	2435	13.8%	94.6%	97.0%	
261	CARRINGTON							1736	1768	1788	1798	1946	1846	1774	-3.9%	--	--	
271	GOLDEN VALLEY	698		666	676	702	698	840	1355	1414	1230	1243	1173	1185	1.0%	69.8%	69.8%	
273	NEW LEIPZIG	354	390	386	368	339	314	364	377	372	407	381	365	359	-1.6%	14.3%	1.4%	
281	SAWYER		3646	3724	3878	3902	3883	4563	5340	5347	5040	4839	4738	4729	-0.2%	21.8%	--	
297	WILLISTON_NW									2257	1936	2924	3907	4553	16.5%	--	--	
299	KILLDEER200W												1873		--	--	--	
303	MICHIGAN	3350	3616	3512	3508	3361	3303	3803	4383	4366	4719	4127	4053	3919	-3.3%	18.6%	17.0%	
307	WASHBURN	3616	3580	3880	3984	4233	4437	5189	6030	6303	6069	5806	5708	5519	-3.3%	24.4%	52.6%	
309	NEWTOWN_EAST									6193	5331	3991	4398	4414	0.4%	--	--	
311	WILLISTON_2N									13560	11018	7868	8550	9132	6.8%	--	--	
315	RYDER_E23__											2030	2172		7.0%	--	--	
337	BLAISDELL_E2											5007	4589	4619	0.7%	--	--	
339	GRASSY_BUTTE									4880	4402	3217	3350	3727	11.3%	--	--	
341	ALEXANDER85W											8888	6467	6172	6579	6.6%	--	--
343	WATFORD_E23_												5031	5518	6016	9.0%	--	--
345	WILLIAMS_N85												2038	2240		9.9%	--	--
349	BEULAH_S49__												1420	1444		1.7%	--	--
351	COLUMBUS_W5											643	592	545	-7.9%	--	--	
353	GRANVILLE_E2													2783	--	--	--	

PERMANENT STATION COMPARISON OF AADT BY YEAR

STATION NUMBER	LOCATION	1998	2000	2002	2004	2006	2008	2010	2012	2014	2015	2016	2017	2018	% CHANGE 2018/2017	% CHANGE 2018/2008	% CHANGE 2018/1998
RURAL PRINCIPAL ARTERIAL																	
355	MOHALL_W5__													761	--	--	--
419	EMERADO_W2										6788	6721	6792	6516	-4.1%	--	--
423	HARVEY_N3__										672	654	621	617	-0.6%	--	--
429	LAKOTA_S1__										608	602	598	594	-0.7%	--	--
447	DUNSEITH_E__									2499	2605	2604	2602	2575	-1.0%	--	--
449	SHEYENNE_N__											1218	1145	1131	-1.2%	--	--
	MEAN	2004	1901	1777	1796	1799	1939	2346	3160	3728	3493	3033	2990	2962	1.0%	39.0%	68.7%
RURAL MINOR ARTERIAL																	
231	GRAFTON	2372	2628	2678	2818	2521	2623	2594	2525	2429	2561	2538	2461	2452	-0.4%	-6.5%	3.4%
247	COURTENAY		486	518	490	460	442	464	471	451	473	490	446	476	6.7%	7.7%	--
249	GARRISON	1142	1166	1208	1178	1164	1184	1359	1634	1892	1812	1815	1670	1636	-2.0%	38.2%	43.3%
275	HANNOVER	524	560	542	500	479	500	602	630	687	746	1091	916	692	-24.5%	38.4%	32.1%
289	MANNING			1592	1610	1718	2341	3675	5706	6696	5540	4417	4588	5093	11.0%	117.6%	--
291	MARMARTH								785	868	793	698	633	650	2.7%	--	--
293	KILLDEER								3313	4615	4231	2989	3612	4283	18.6%	--	--
295	NECHE								429	465	426	404	402	394	-2.0%	--	--
373	DICKINSON22S											2046	1669	1654	-0.9%	--	--
453	OAKES_S1____												1211	1253	3.5%	--	--
461	THOMPSON_W15										1587	1597	1600	1555	-2.8%	--	--
727	ENDERLIN_E46										1893	1826	1875	1984	5.8%	--	--
759	WILTON_E36__										576	585	578	565	-2.2%	--	--
	MEAN	1346	1210	1308	1319	1268	1418	1739	1937	2263	1876	1708	1666	1745	1.0%	39.1%	26.2%
RURAL MAJOR COLLECTOR - STATE																	
267	TRENTON							3231	6008	5541	5067	4059	3620	4278	18.2%	--	--
493	ST_THOMAS_W_										644	601	604	612	1.3%	--	--
783	KULM_S56____										163	196	169	190	12.4%	--	--
	MEAN							3231	6008	5541	1958	1619	1464	1693	10.6%	--	--
RURAL MAJOR COLLECTOR - COUNTY																	
101	MINOT55ST_NE									2525	2655	2557	2634	2732	3.7%	--	--
103	MINOT46AV_NE									1074	1124	1104	1084	1207	11.3%	--	--
225	STERLING	556		558	492	525	560	645	639	946	834	865	867	814	-6.1%	45.4%	46.4%
259	AYR	276	348	456	384	340	360	372	317	327	341	351	352	359	2.0%	-0.3%	30.1%
263	METIGOSHE	414													--	--	--
277	REGENT	304	298	314	296	287	320	358	369	356	362	339	310	297	-4.2%	-7.2%	-2.3%
	MEAN	388	323	443	391	384	413	458	442	1046	1063	1043	1049	1082	1.3%	12.6%	24.7%
URBAN PRINCIPAL ARTERIAL																	
287	GRAND FORKS			18520	19656	19107	18974	20520	21291	21318	21197	23090	22837	22174	-2.9%	16.9%	--
501	FARGO (U)	27970	24150	26592	26852	24248	24606	24868	24332	26023	25518	25990	26353	22640	-14.1%	-8.0%	-19.1%
503	BISMARCK (U)								12176	13418	14093	14061	13876	13374	-3.6%	--	--
513	WFARGO_MAIN_ (U)											6159	6874	6764	-1.6%	--	--
601	BISMARCK (U)	12919	12408	11747	11961	11465	11991								--	--	--
603	WILLISTON (U)	4058	4174	4118	4228	4528	4801	6510	10278	10834	9594	7351	6662	7193	8.0%	49.8%	77.3%
605	MANDAN (U)	19702		20200	20158	20213	19582	20270	20439	20356	20615	21326	19203	18934	-1.4%	-3.3%	-3.9%
	MEAN	16162	13577	16235	16571	15912	15991	18042	17703	18390	18203	16330	15968	15180	-2.6%	13.8%	18.1%
URBAN MINOR ARTERIAL																	
607	DICKINSON (U)	3128	3072	2980	3104	3053	2855	3033	3269	3198	3297	3473	3234	2907	-10.1%	1.8%	-7.1%
611	MINOT (U)	2804	3240	2624	2690	2541	2618	2894	3155	2914	2770	2838	2559	2571	0.5%	-1.8%	-8.3%
	MEAN	2966	3156	2802	2897	2797	2737	2964	3212	3056	3034	3156	2897	2739	-4.8%	0.0%	-7.7%
URBAN COLLECTOR & LOCAL URBAN																	
609	MINOT (U)	1858	1896	2076	2346	2222	2255	2374	3001	2991	2924	2837	2643	2545	-3.7%	12.9%	37.0%
	MEAN	1858	1896	2076	2346	2222	2255	2374	3001	2991	2924	2837	2643	2545	-3.7%	12.9%	37.0%

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	1998	2000	2002	2004	2006	2008	2010	2012	2014	2015	2016	2017	2018	% CHANGE 2018/2017	% CHANGE 2018/2008	% CHANGE 2018/1998	
URBAN INTERSTATE																		
217	FARGO (U)	3822	4742	4400	4888	4791	4930	4612	5108	5645	5476	5079	5022	5040	0.4%	2.2%	31.9%	
235	FARGO (U)	2602		2594	2684	2726	2980	3344	3216	3588	3452	3685	3585	3775	5.3%	26.7%	45.1%	
283	BISMARCK (U)	1706	1948	1862	1952	2264	2151	2039	2505	2687	2918	2474	2445	2747	12.4%	27.7%	61.0%	
	MEAN	2710	3345	2952	3175	3260	3354	3332	3610	3973	3949	3746	3684	3854	6.0%	18.9%	46.0%	
RURAL INTERSTATE																		
207	MEDINA	1380	1600	1566	1618	1699	1711	1809	2137	2246	2136	2271	2355	2334	-0.9%	36.4%	69.1%	
211	BUXTON	1636	2114	2196	2494	2554	2790	2561	2982	3156	2949	2834	2591	2578	-0.5%	-7.6%	57.6%	
223	NEW SALEM			1214	1244	1364	1467	1450	2002	2210	2127	2203	2170	2156	-0.6%	47.0%	--	
243	BOWESMONT	964	1110	1160	1164	1186	1358	1109	1223	1708	1286	1272	1322	1306	-1.2%	-3.8%	35.5%	
245	TOWER CITY				1922	2001	2203	2334	2674	2981	2944	2856	2899	3049	5.2%	38.4%	--	
265	MOORETON	840	934	812	922	1006	1076	1072	1178	1403	1244	1182	1227	1282	4.5%	19.1%	52.6%	
279	PAINTED CANYON	702	460	1044	1018	1177	1166	1155	1449	1566	1632	1391	1552	1552	0.0%	33.1%	121.1%	
285	DAVENPORT			1120	1184	1248	1293	1341	1454	1561	1583	1661	1734	1792	3.3%	38.6%	--	
	MEAN	1104	1244	1302	1446	1529	1633	1604	1887	2104	1988	1959	1981	2006	1.2%	25.1%	67.2%	
RURAL PRINCIPAL ARTERIAL																		
201	RAY	238	290	260	260	378	669	1332	3536	3104	2342	1398	1578	1729	9.6%	158.4%	626.5%	
203	MAX	438	584	538	536	541	568	771	1003	1028	840	695	716	1102	53.9%	94.0%	151.6%	
205	GWINNER		106	168	154	145	117	114	129	164	156	168	177	183	3.4%	56.4%	--	
215	JAMESTOWN		468	446	510	584	709	770	937	1103	1052	765	982	974	-0.8%	37.4%	--	
219	MANDAN	140	198	154	146	154	138	147	149	191	201	237	230	209	-9.1%	51.4%	49.3%	
221	FAIRFIELD		340	274	258	399	507	641	1362	1737	1354	951	968	1086	12.2%	114.2%	--	
229	COOPERSTOWN												182	186	2.2%	--	--	
233	FOXHOLM	424	432	406	418	454	548	644	835	770	585	526	608	628	3.3%	14.6%	48.1%	
237	NEKOMA			108	122	115	118	122	133	162	159	145	155	144	-7.1%	22.0%	--	
239	NEW TOWN		158	142		148	549	1217	2842	3204	2607	1619	2058	2394	16.3%	336.1%	--	
241	BOTTINEAU	96	162	142	118	111	129	163	195	221	205	193	224	198	-11.6%	53.5%	106.3%	
251	HAGUE									351	330	345	296	285	-3.7%	--	--	
253	RUGBY	930		422	424	406	508	431	541	533	496	486	480	431	-10.2%	-15.2%	-53.7%	
255	CROSBY		96	132	78	131	145	234	604	733	543	381	293	256	-12.6%	76.6%	--	
257	WILLISTON	146		140	140	160	160	280	911	846	596	364	552	647	17.2%	304.4%	343.2%	
261	CARRINGTON							268	264	289	282	314	272	259	-4.8%	--	--	
271	GOLDEN VALLEY					67	66	111	378	349	285	241	212	226	6.6%	242.4%	--	
273	NEW LEIPZIG	56	84	66	60	44	43	62	55	64	62	71	68	74	8.8%	72.1%	32.1%	
281	SAWYER		462	390	420	526	572	744	1022	1054	782	893	945	949	0.4%	65.9%	--	
297	WILLISTON_NW									1246	1016	1632	2292	2649	15.6%	--	--	
299	KILLDEER200W												1037		--	--	--	
303	MICHIGAN	648	732	568	558	515	513	593	691	647	684	631	713	738	3.5%	43.9%	13.9%	
307	WASHBURN	522	616	566	552	607	609	740	949	1033	1024	929	918	906	-1.3%	48.8%	73.6%	
309	NEWTOWN_EAST									1845	1334	712	895	834	-6.8%	--	--	
311	WILLISTON_2N									5682	4130	2815	2118	3340	57.7%	--	--	
315	RYDER_E23__												486	563	15.8%	--	--	
337	BLAISDELL_E2											1259	1211	1234	1.9%	--	--	
339	GRASSY_BUTTE									1993	1694	1145	1204	1333	10.7%	--	--	
341	ALEXANDER85W										4528	3120	2981	3137	5.2%	--	--	
343	WATFORD_E23_											2363	2792	3142	12.5%	--	--	
345	WILLIAMS_N85												791	943	19.2%	--	--	
349	BEULAH_S49__												259	244	-5.8%	--	--	
351	COLUMBUS_W5											221	192	167	-13.0%	--	--	
353	GRANVILLE_E2												534		--	--	--	
355	MOHALL_W5__												216		--	--	--	
419	EMERADO_W2										1007	933	920	906	-1.5%	--	--	
423	HARVEY_N3__											104	100	107	102	-4.7%	--	--
429	LAKOTA_S1__											117	120	115	112	-2.6%	--	--
447	DUNSEITH_E__									189	162	139	117	110	-6.0%	--	--	
449	SHEYENNE_N__												234	198	229	15.7%	--	--
	MEAN	364	338	290	297	305	370	494	870	1142	989	792	792	861	5.1%	98.7%	139.1%	

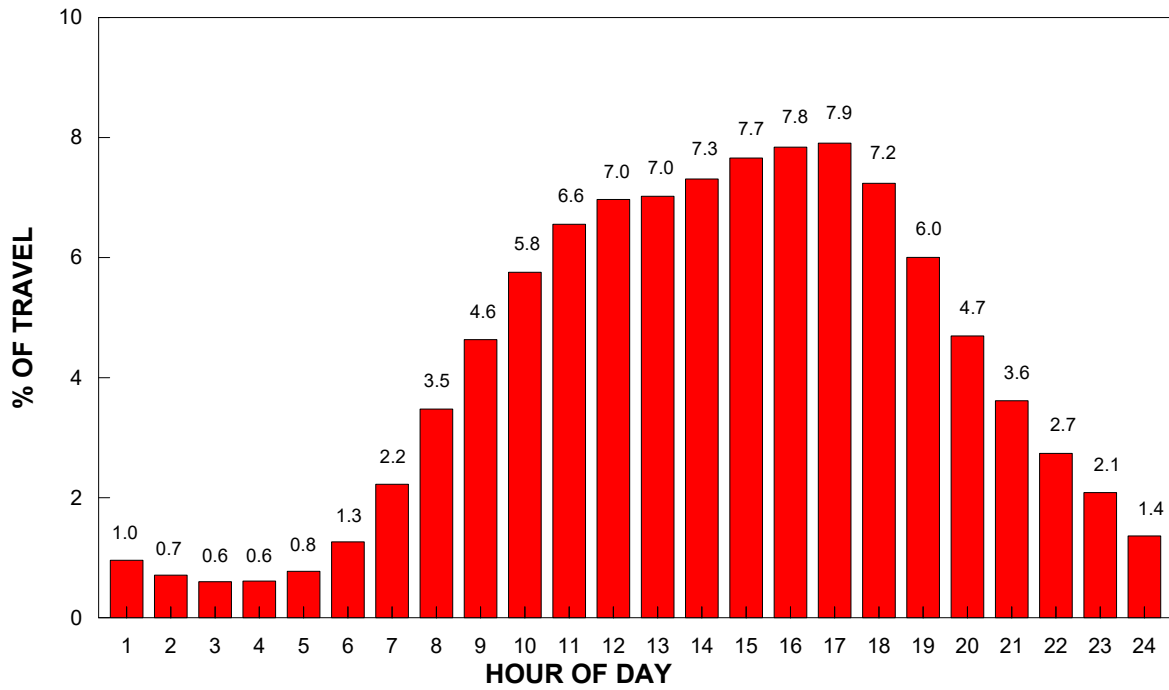
PERMANENT STATION COMPARISON OF TRUCK AADT BY YEAR

STATION NUMBER	LOCATION	1998	2000	2002	2004	2006	2008	2010	2012	2014	2015	2016	2017	2018	% CHANGE 2018/2017	% CHANGE 2018/2008	% CHANGE 2018/1998
RURAL MINOR ARTERIAL																	
231	GRAFTON		262	250	272	240	267	243	233	170	266	286	277	290	4.7%	8.6%	--
247	COURTENAY		50	44	40	32	33	36	45	34	39	45	34	31	-8.8%	-6.1%	--
249	GARRISON	104	160	106	112	106	117	127	165	255	267	177	174	187	7.5%	59.8%	79.8%
275	HANNOVER	54	74	62	64	60	57	80	92	100	109	152	116	88	-24.1%	54.4%	63.0%
289	MANNING			142	128	160	408	931	1714	2392	1706	1125	1309	1548	18.3%	279.4%	--
291	MARMARTH								181	225	194	157	171	197	15.2%	--	--
293	KILLDEER								1484	1928	1800	1038	1516	1881	24.1%	--	--
295	NECHE								89	111	84	90	120	126	5.0%	--	--
373	DICKINSON22S											404	308	306	-0.6%	--	--
453	OAKES_S1____												283	302	6.7%	--	--
461	THOMPSON_W15										192	183	184	185	0.5%	--	--
727	ENDERLIN_E46										318	322	351	351	0.0%	--	--
759	WILTON_E36__										126	133	125	119	-4.8%	--	--
	MEAN	79	137	121	123	120	176	283	500	652	464	343	382	432	3.4%	79.2%	71.4%
RURAL MAJOR COLLECTOR - STATE																	
267	TRENTON							670	1770	1593	1310	834	675	1031	52.7%	--	--
493	ST_THOMAS_W_										208	188	192	184	-4.2%	--	--
783	KULM_S56____										36	47	39	40	2.6%	--	--
	MEAN							670	1770	1593	518	356	302	418	17.0%	--	--
RURAL MAJOR COLLECTOR - COUNTY																	
101	MINOT55ST_NE									579	587	472	437	420	-3.9%	--	--
103	MINOT46AV_NE									242	231	194	182	178	-2.2%	--	--
225	STERLING				46	39	54	68	89	141	115	142	141	141	0.0%	161.1%	--
	MEAN				46	39	54	68	89	321	311	269	253	246	-2.0%	161.1%	--
URBAN PRINCIPAL ARTERIAL																	
287	GRAND FORKS										420	438	421	418	-0.7%	--	--
503	BISMARCK (U)								1515	1880	1832	1768	1748	1613	-7.7%	--	--
513	WFARGO_MAIN_(U)											1084	1205	1115	-7.5%	--	--
	MEAN								1515	1880	1126	1097	1125	1049	-5.3%	--	--

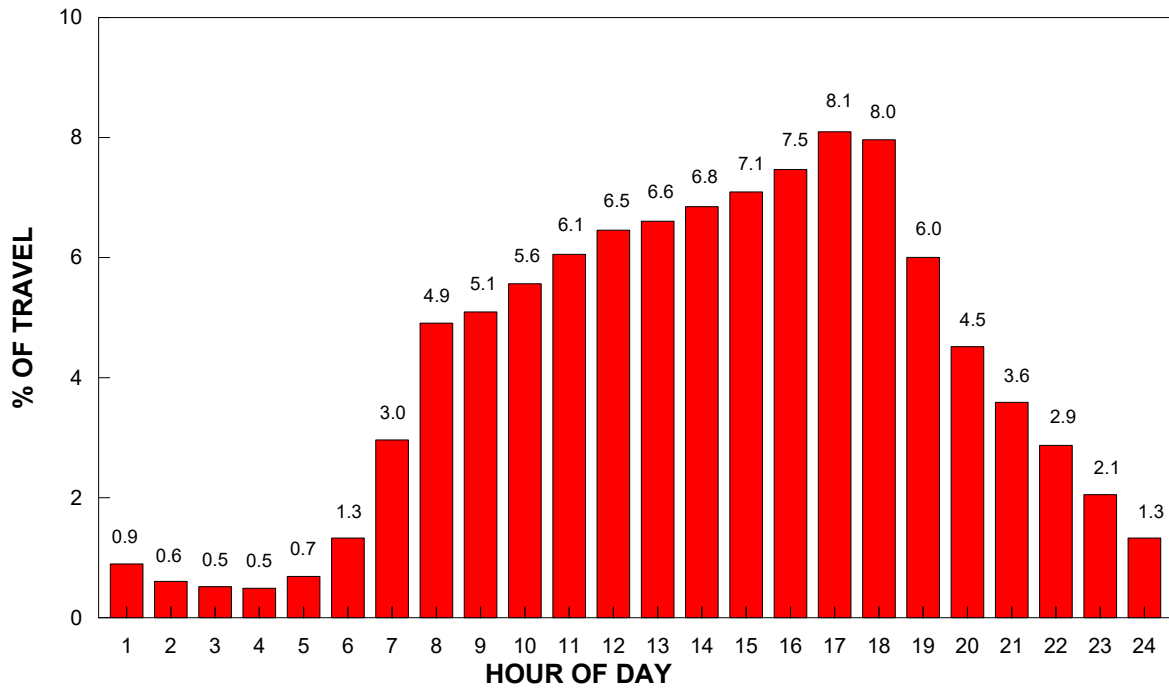
Missing data is the result of years when a recording station was out of service.

HOURLY DISTRIBUTION OF TRAVEL

RURAL INTERSTATE 94

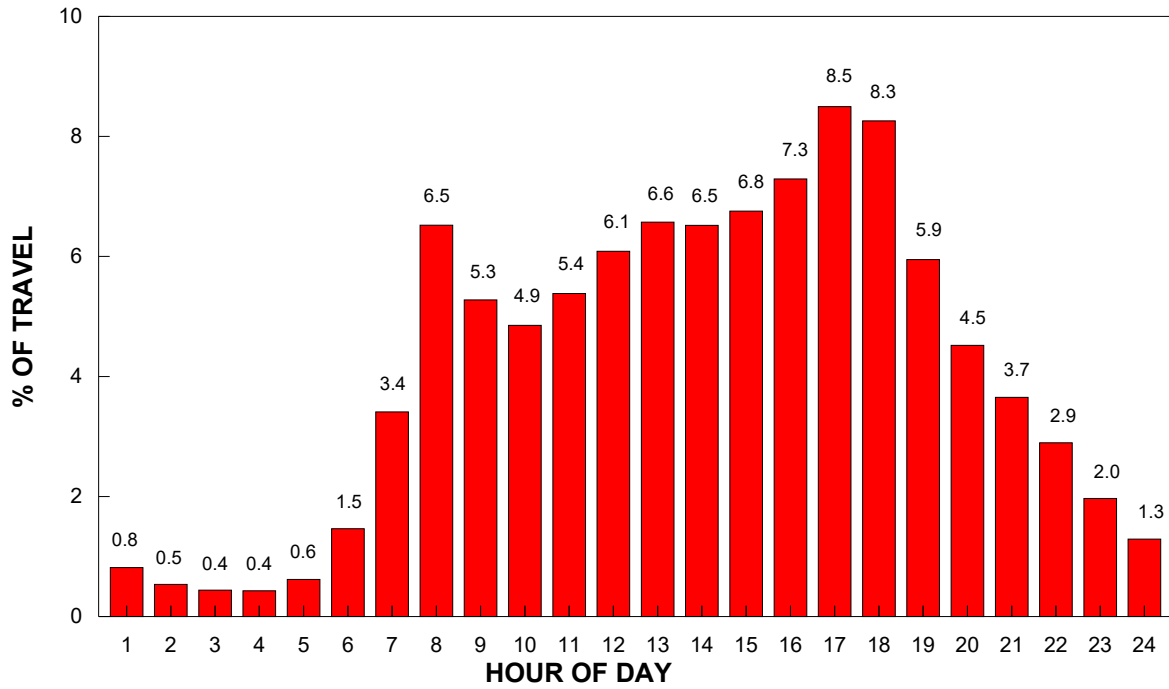


RURAL INTERSTATE 29

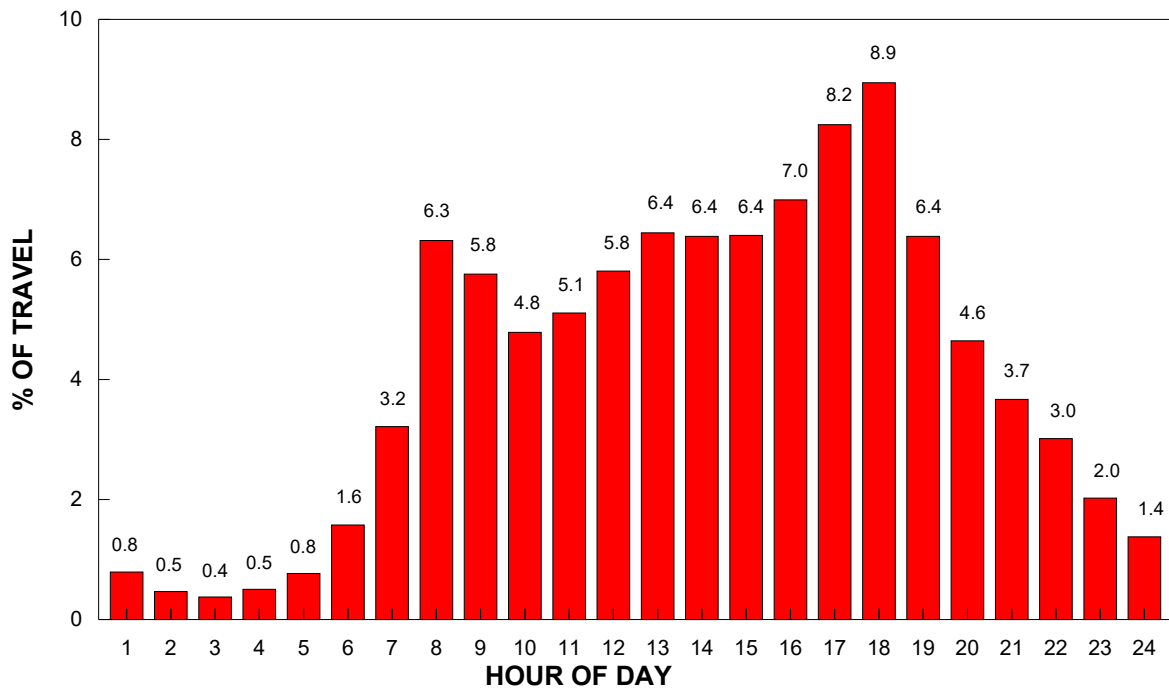


HOURLY DISTRIBUTION OF TRAVEL

URBAN INTERSTATE 94

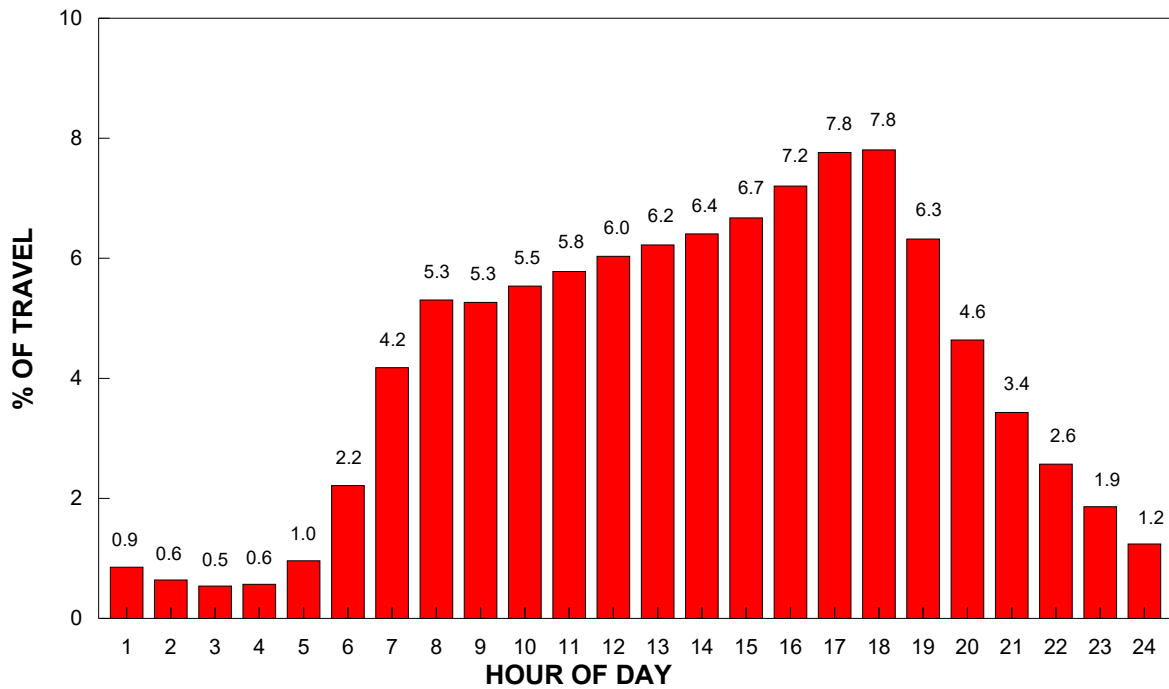


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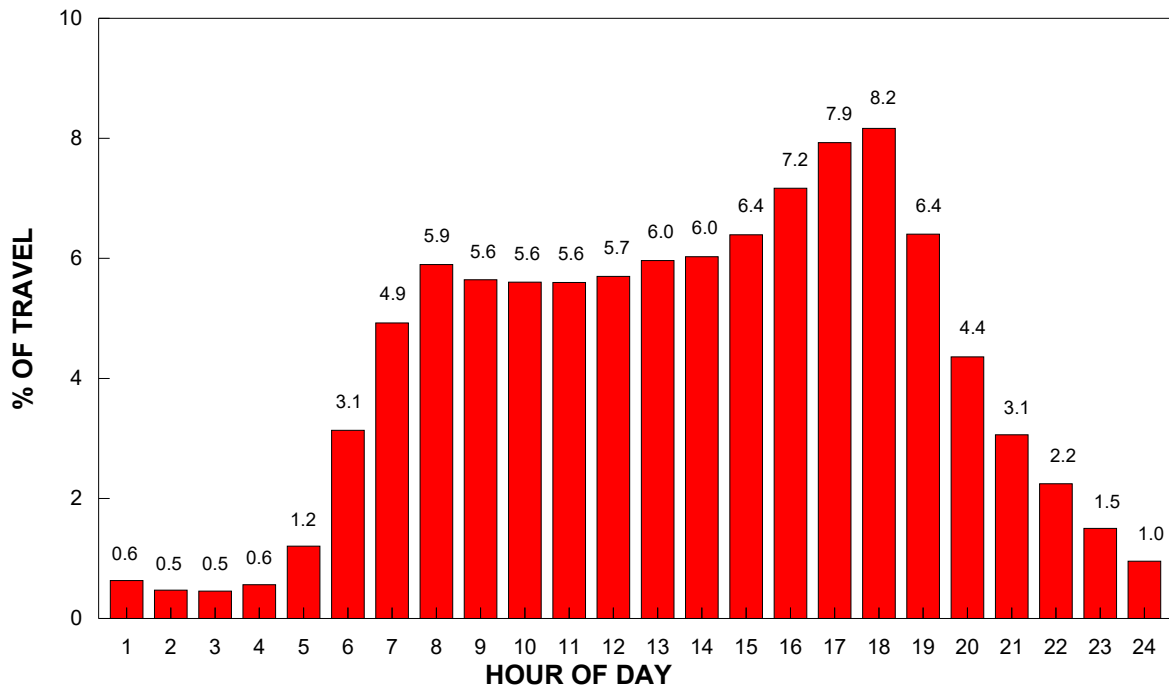


HOURLY DISTRIBUTION OF TRAVEL

RURAL PRINCIPAL ARTERIAL

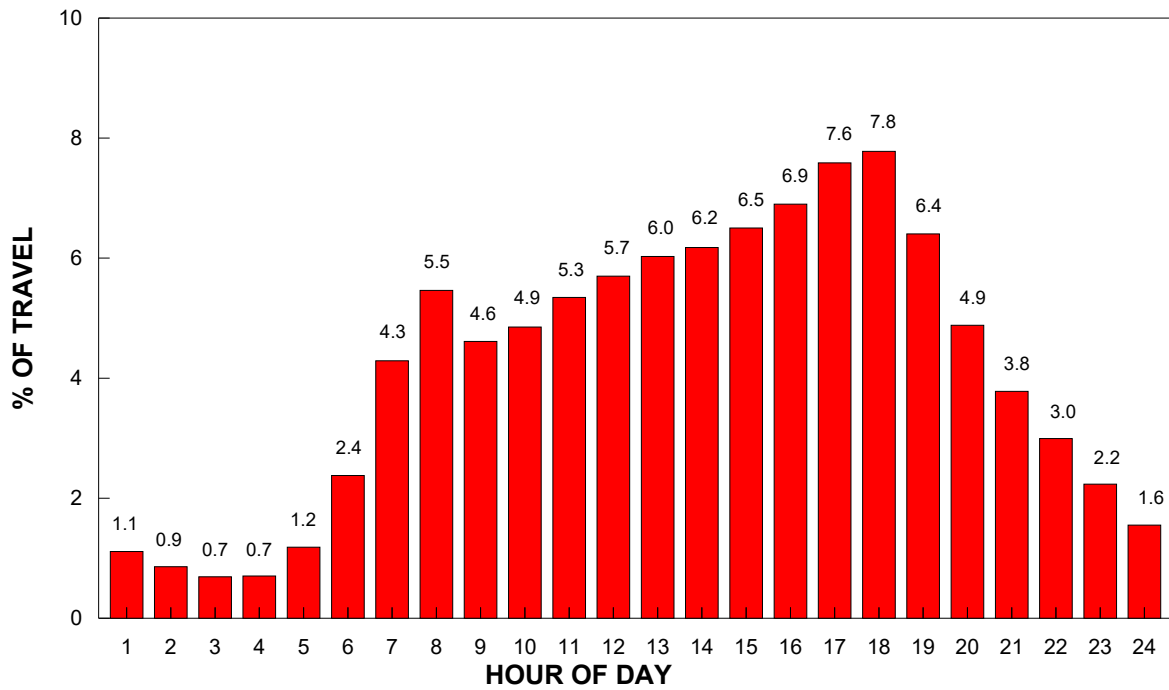


RURAL MINOR ARTERIAL

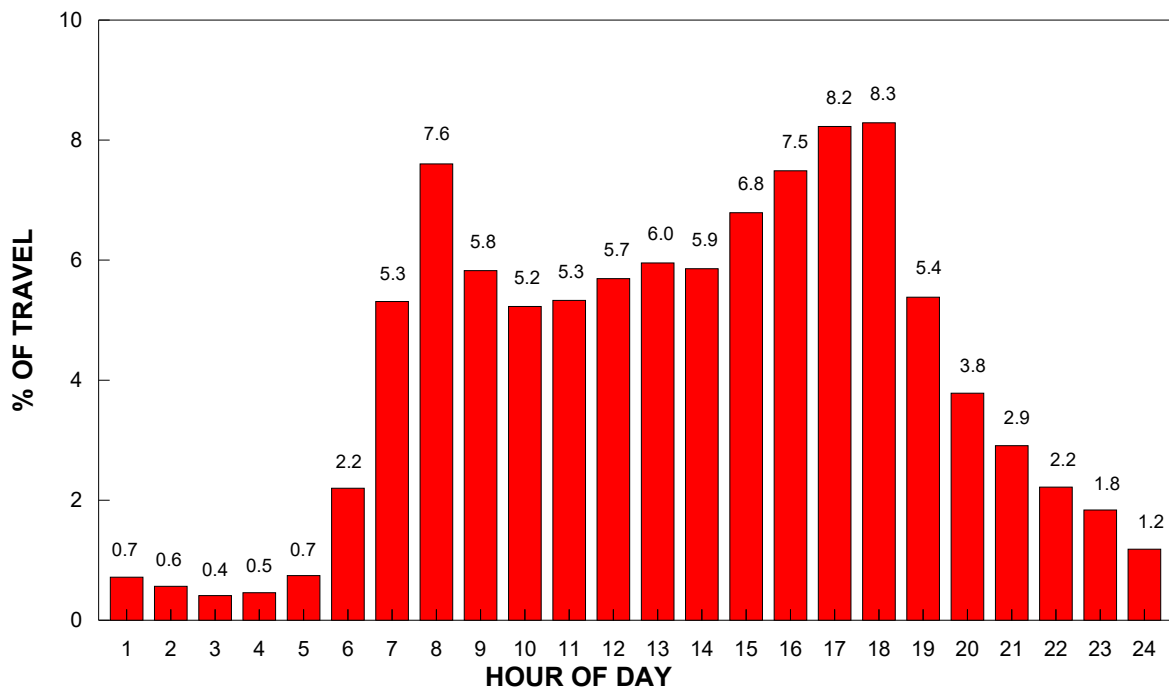


HOURLY DISTRIBUTION OF TRAVEL

RURAL MAJOR COLLECTOR - STATE

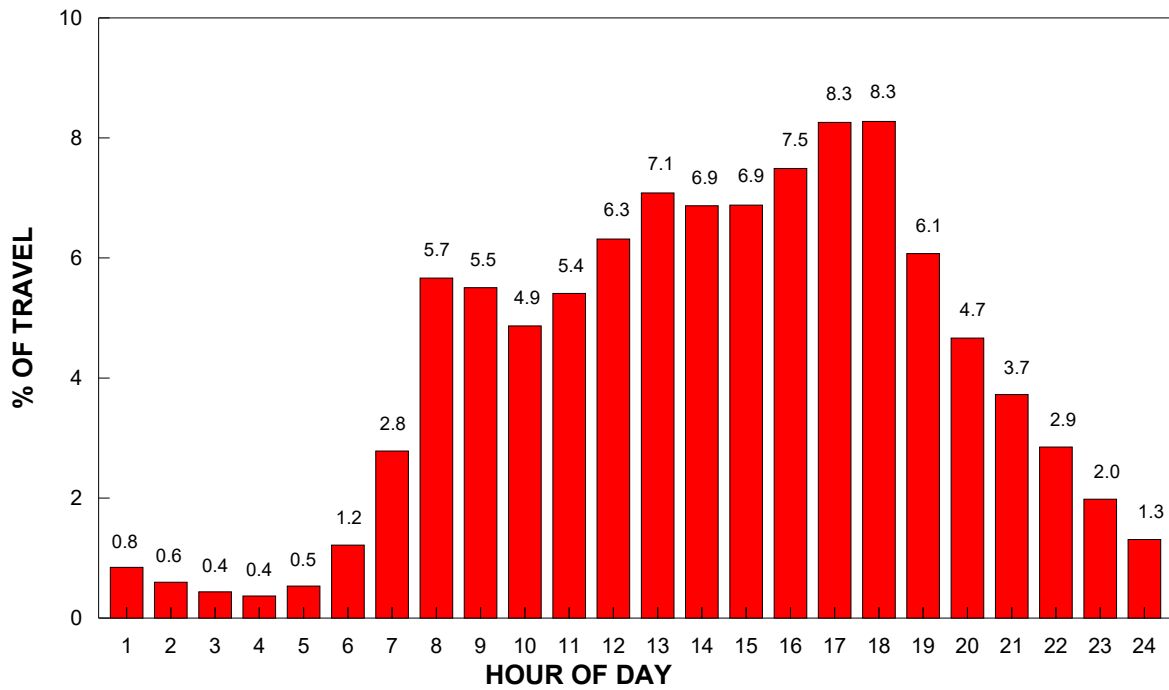


RURAL MAJOR COLLECTOR - COUNTY

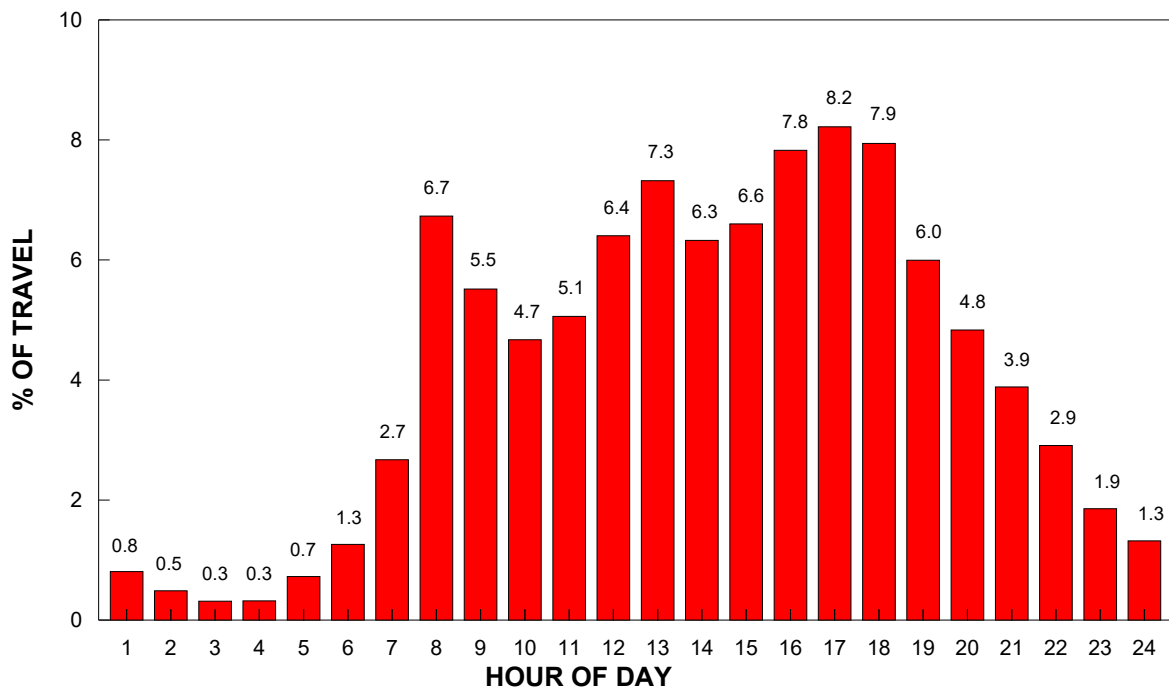


HOURLY DISTRIBUTION OF TRAVEL

URBAN PRINCIPAL ARTERIAL

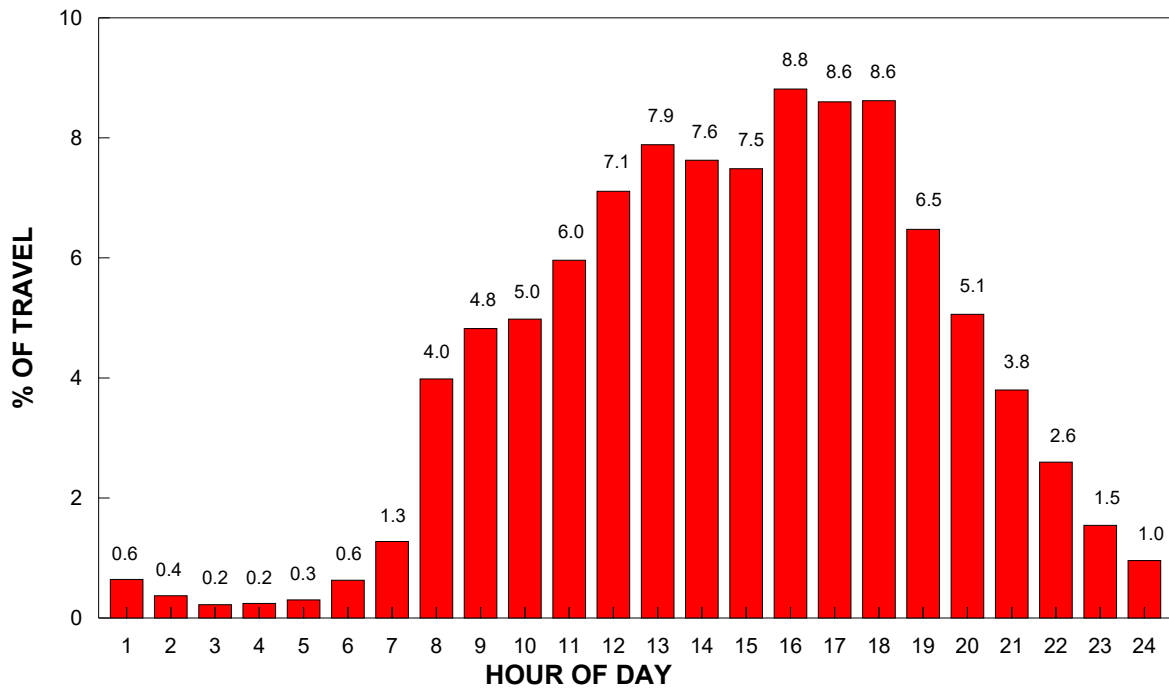


URBAN MINOR ARTERIAL



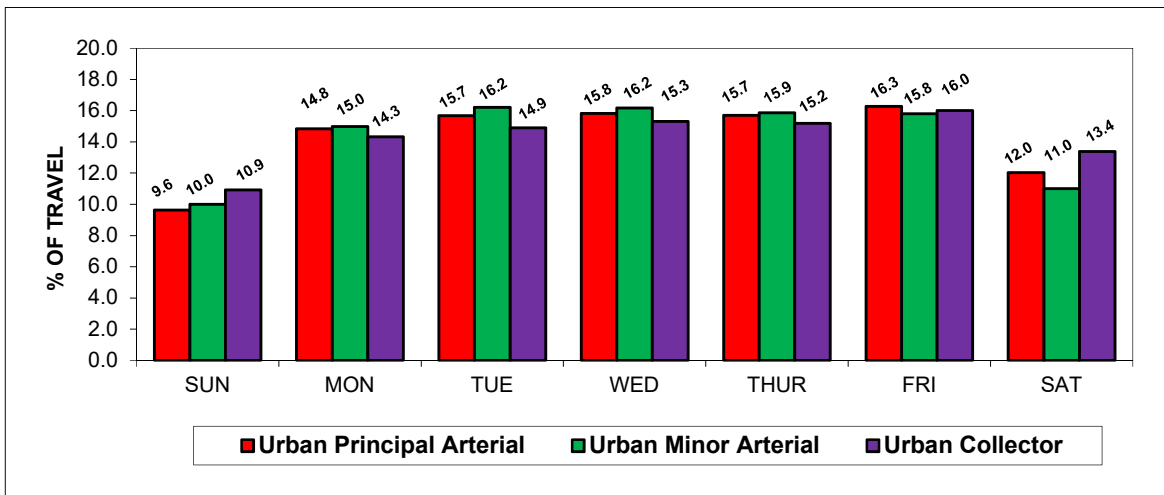
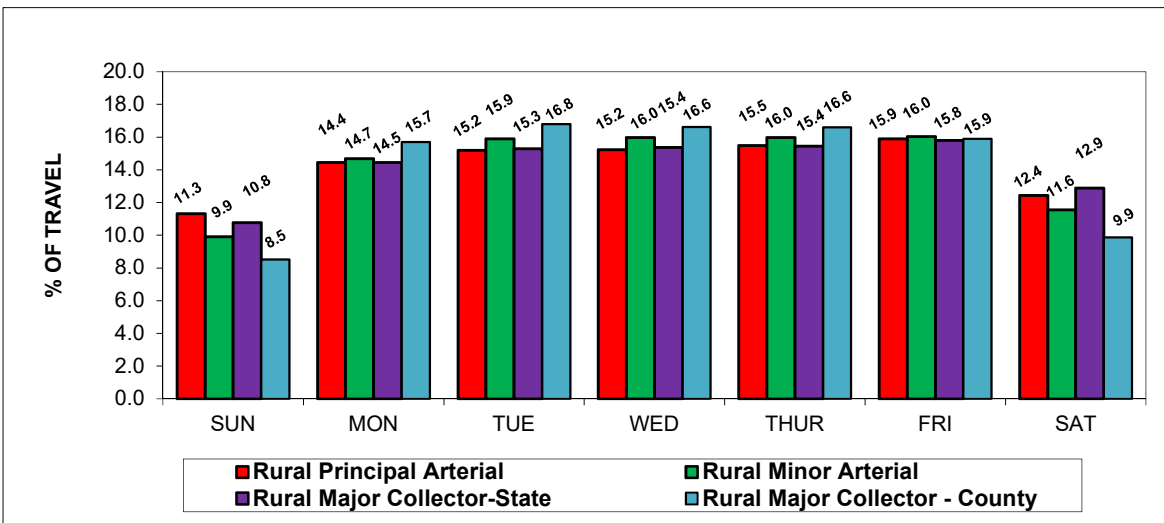
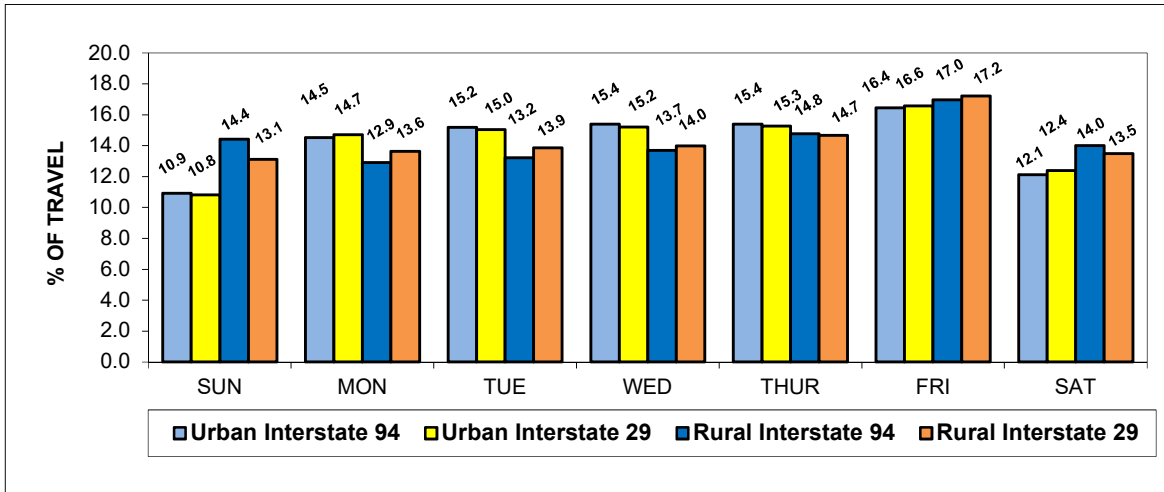
HOURLY DISTRIBUTION OF TRAVEL

URBAN COLLECTOR



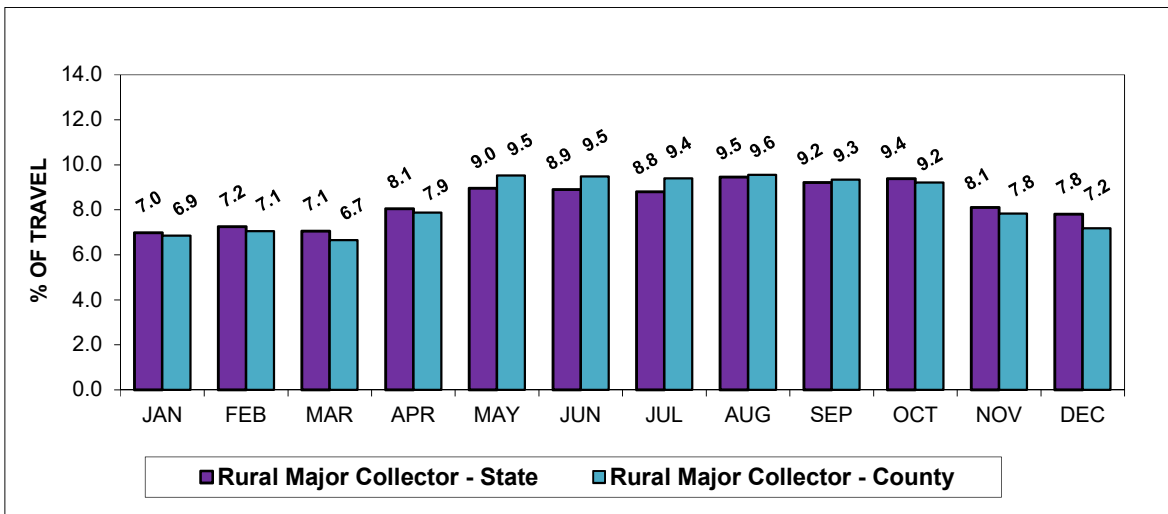
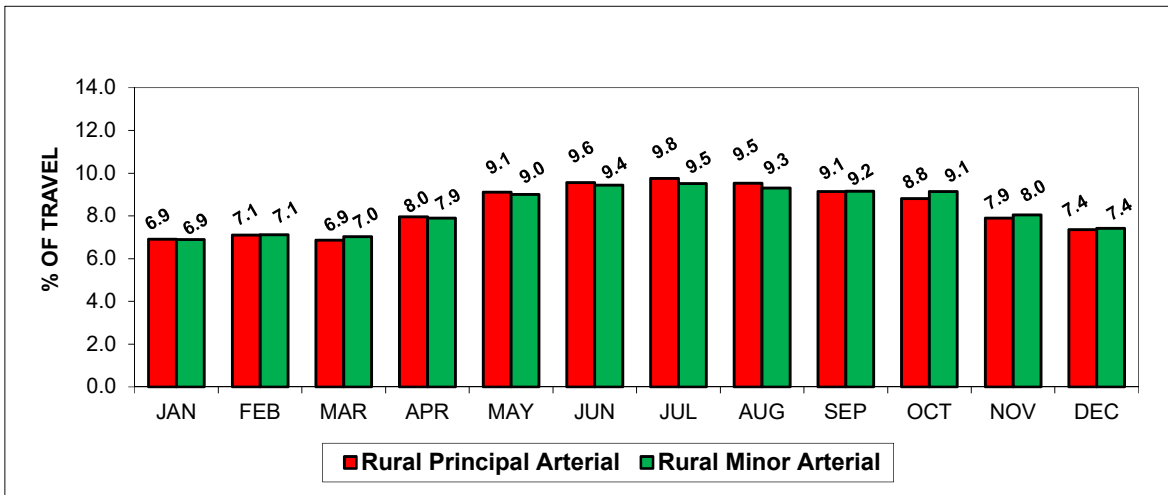
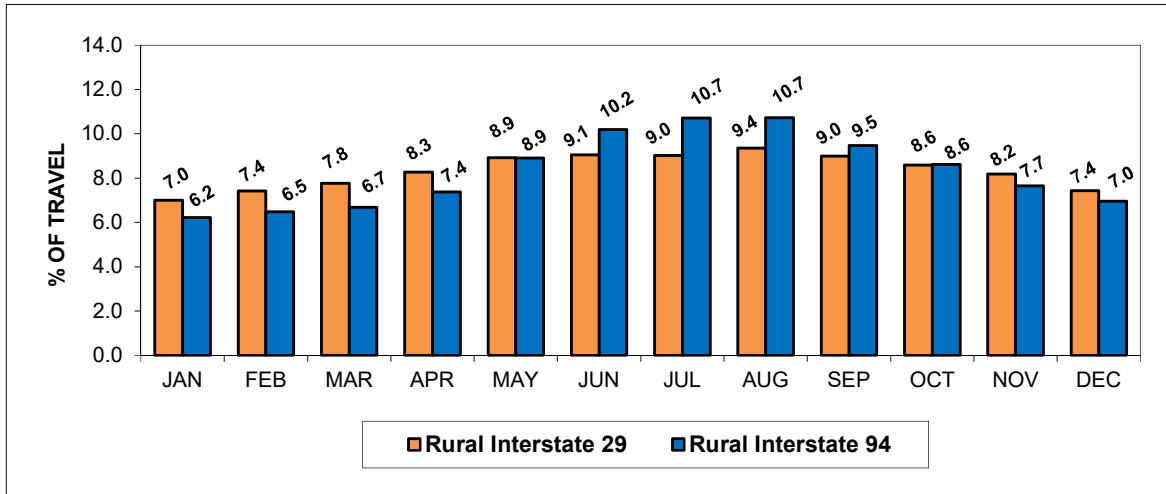
DAILY DISTRIBUTION OF TRAVEL

TOTAL VEHICLES



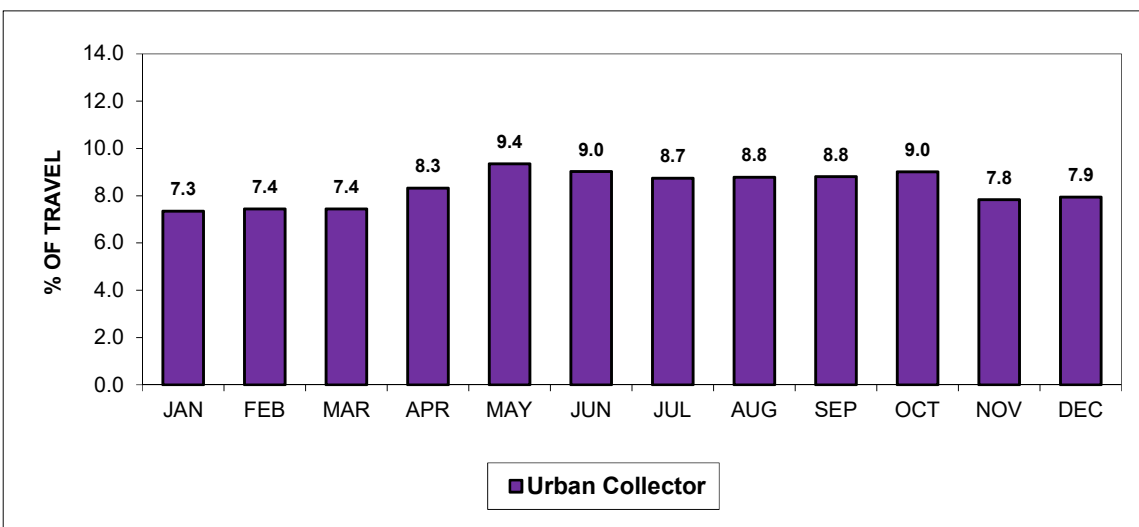
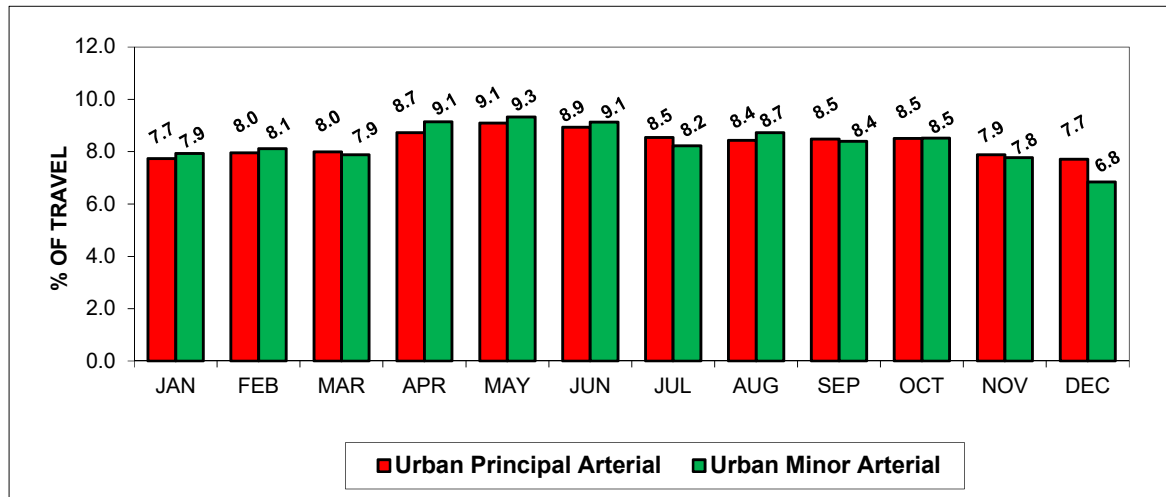
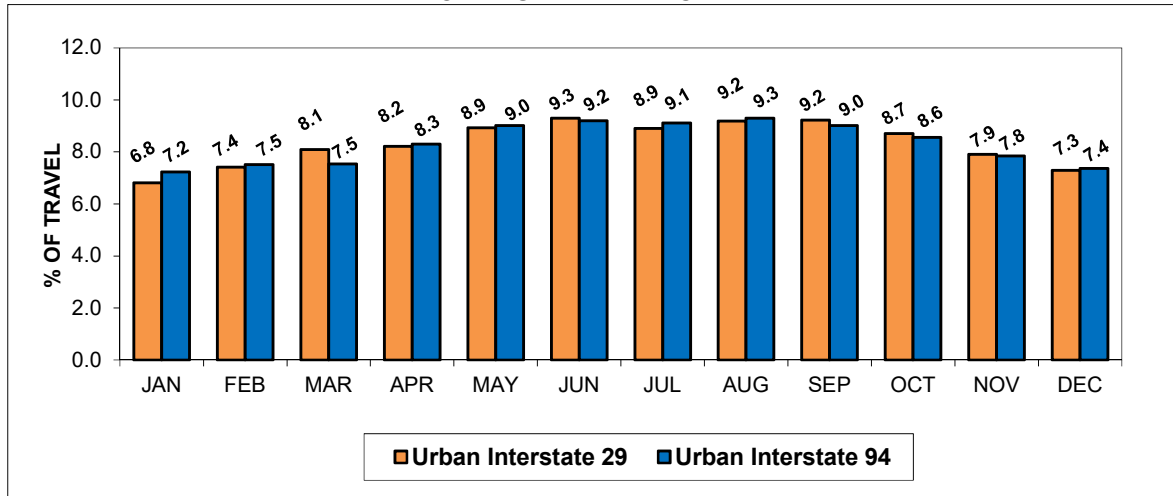
MONTHLY DISTRIBUTION OF ANNUAL TRAFFIC

TOTAL RURAL VEHICLES



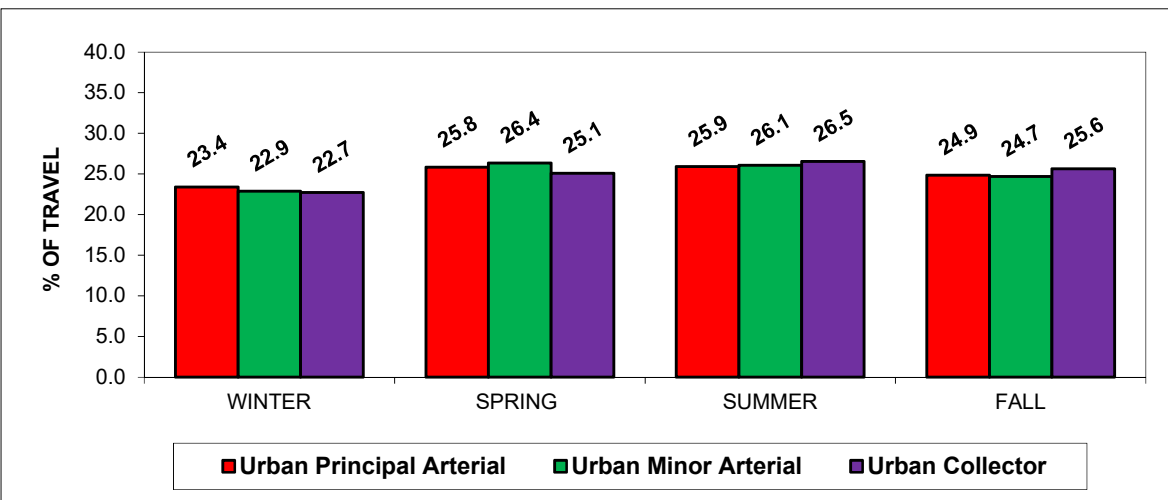
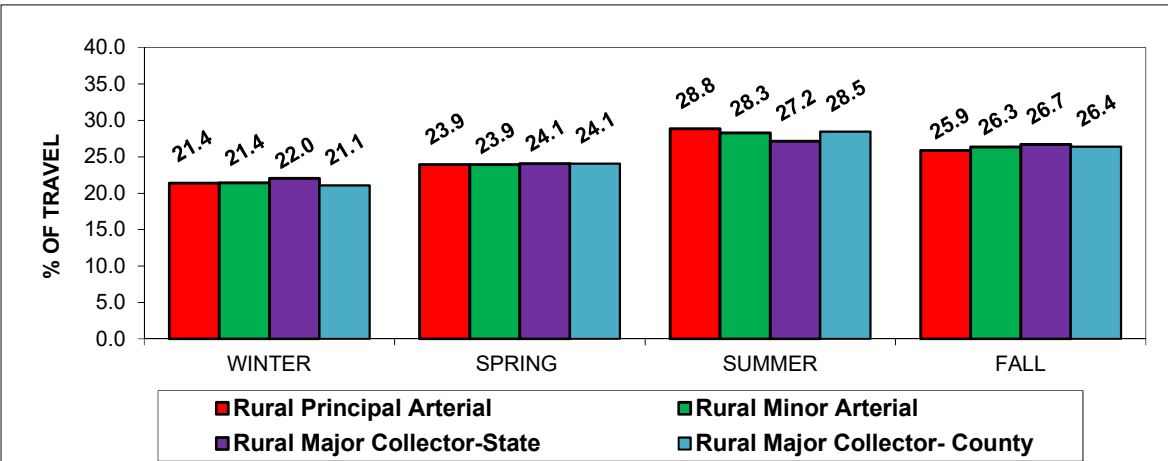
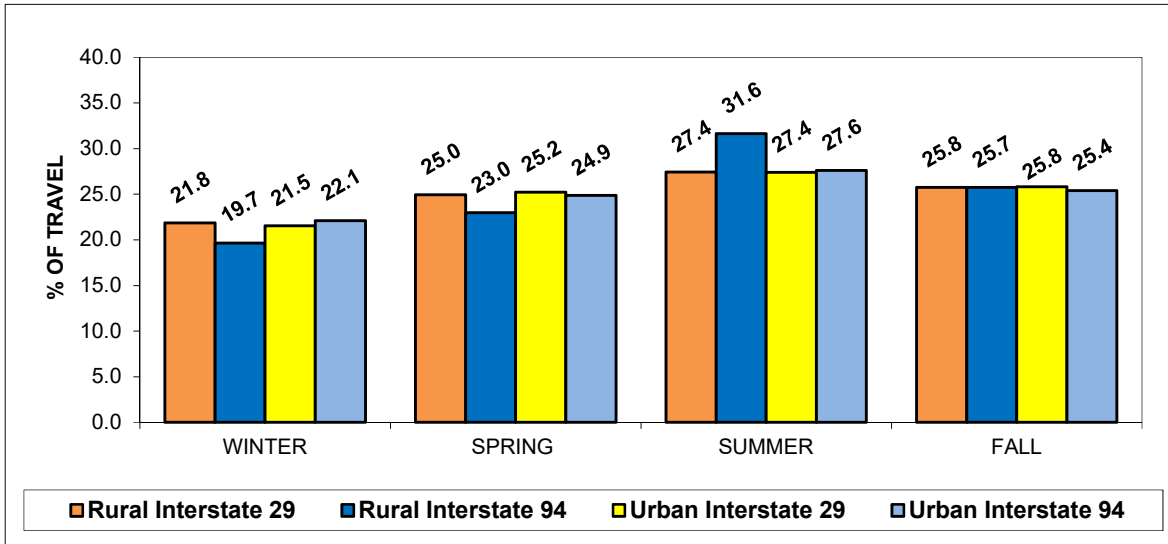
MONTHLY DISTRIBUTION OF ANNUAL TRAFFIC

TOTAL URBAN VEHICLES



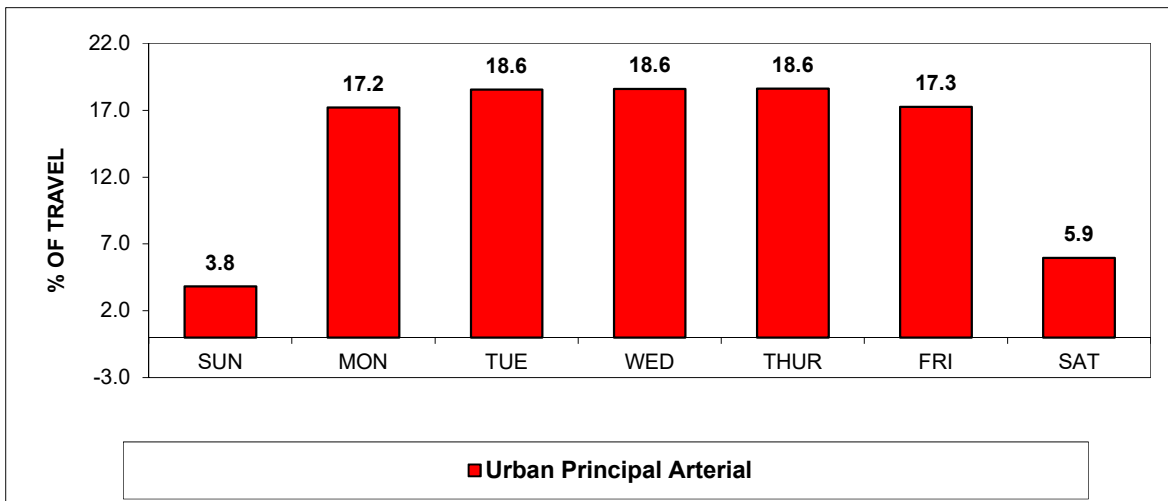
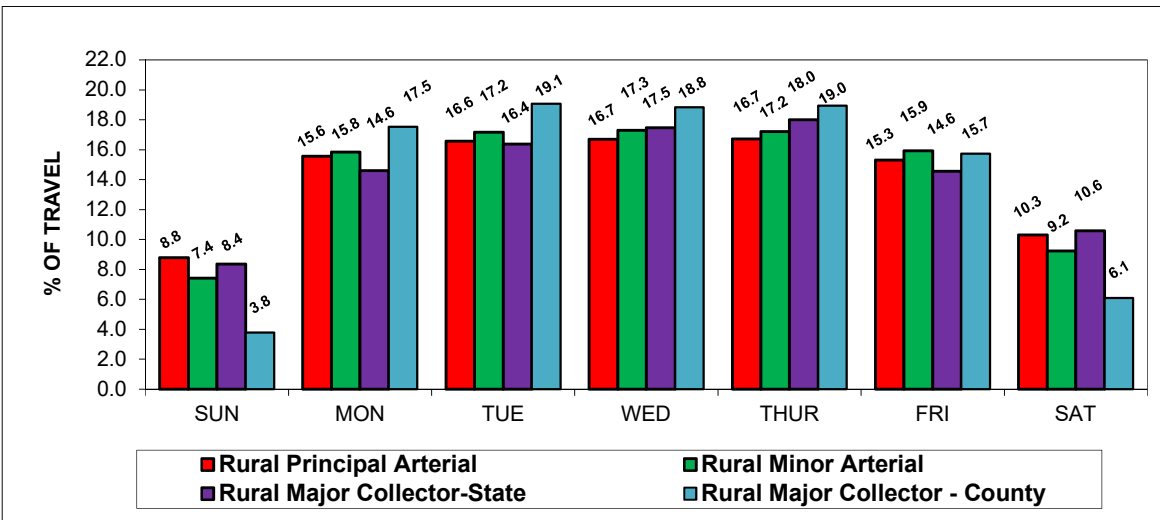
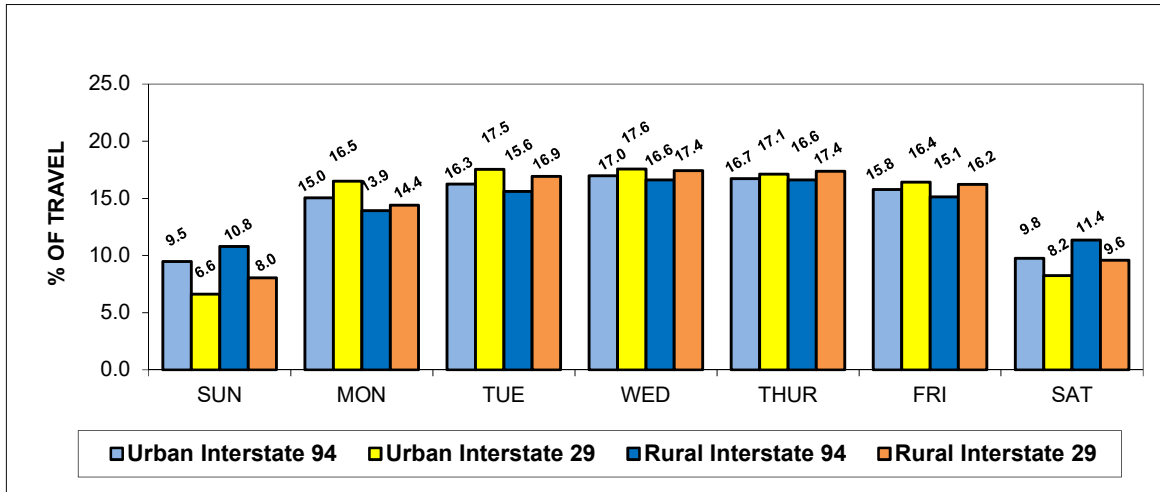
SEASONAL DISTRIBUTION OF TRAVEL

TOTAL VEHICLES



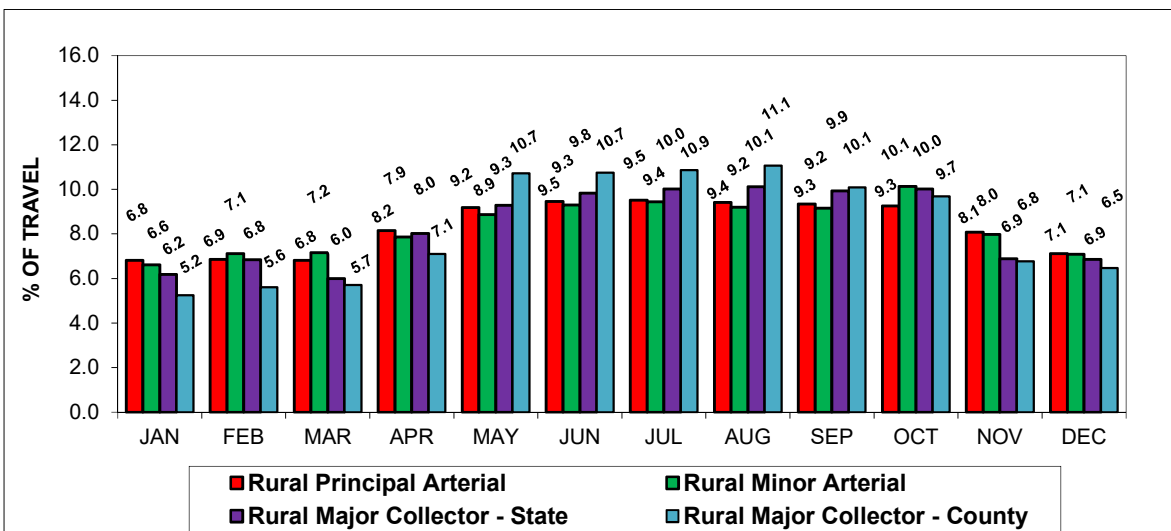
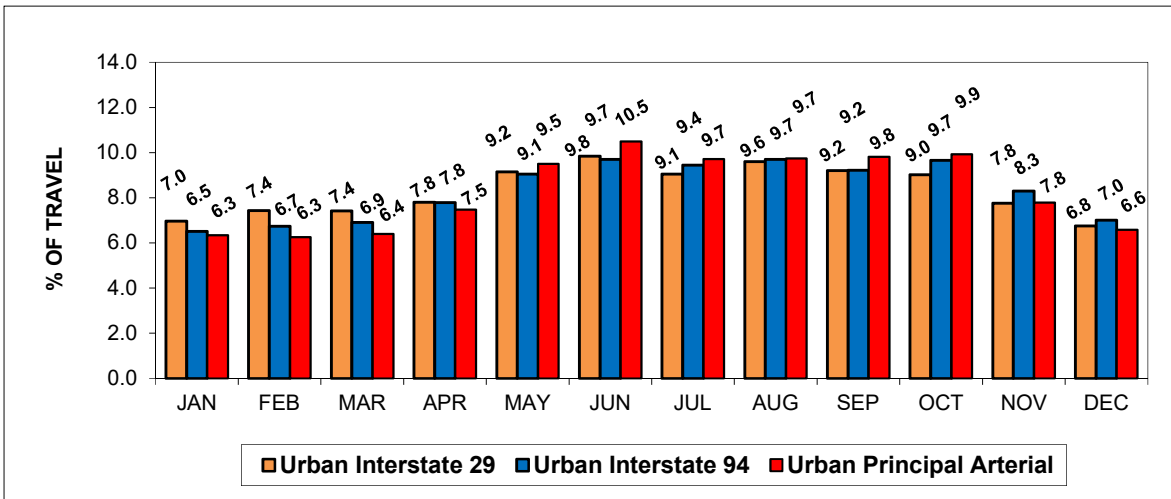
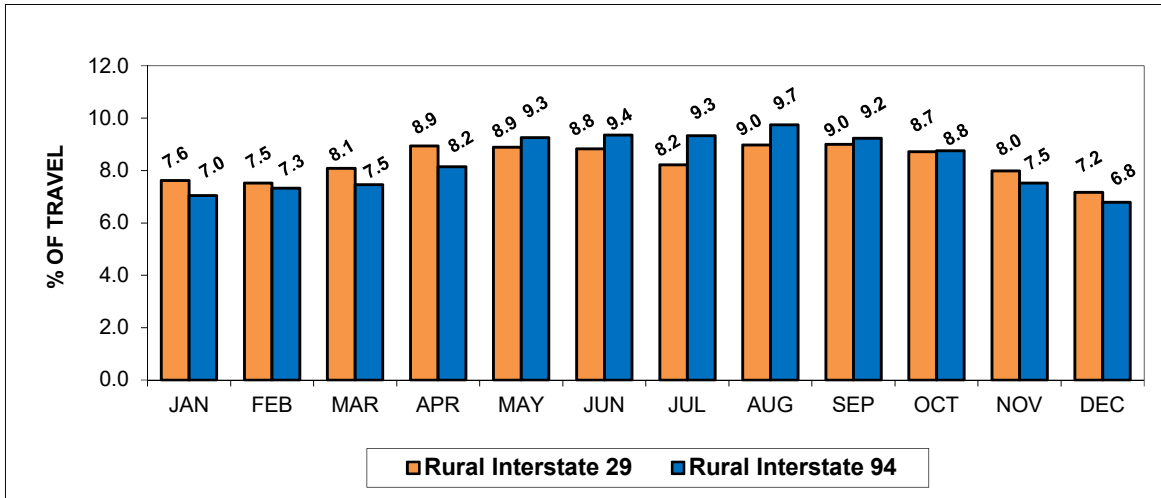
DAILY DISTRIBUTION OF TRAVEL

TOTAL TRUCKS



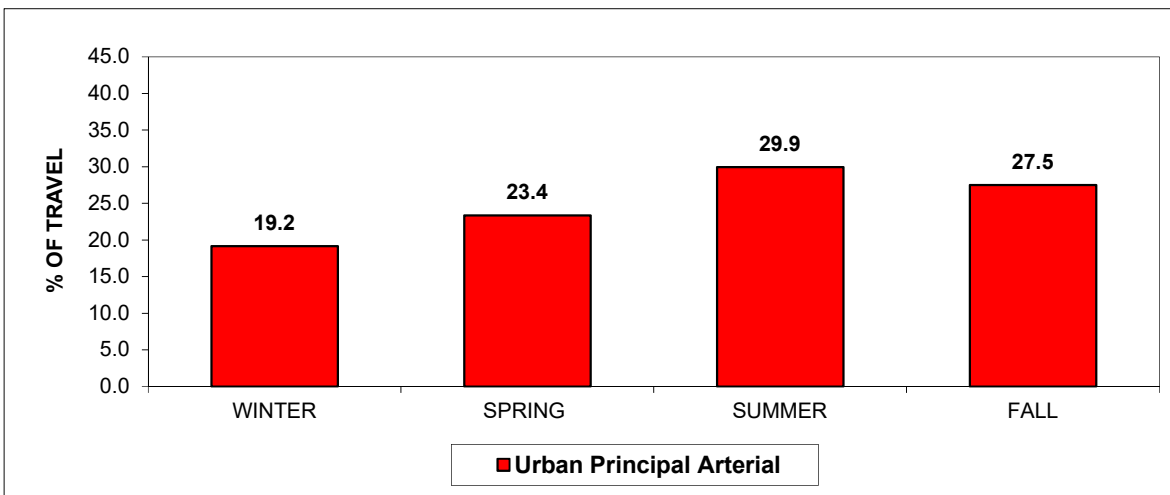
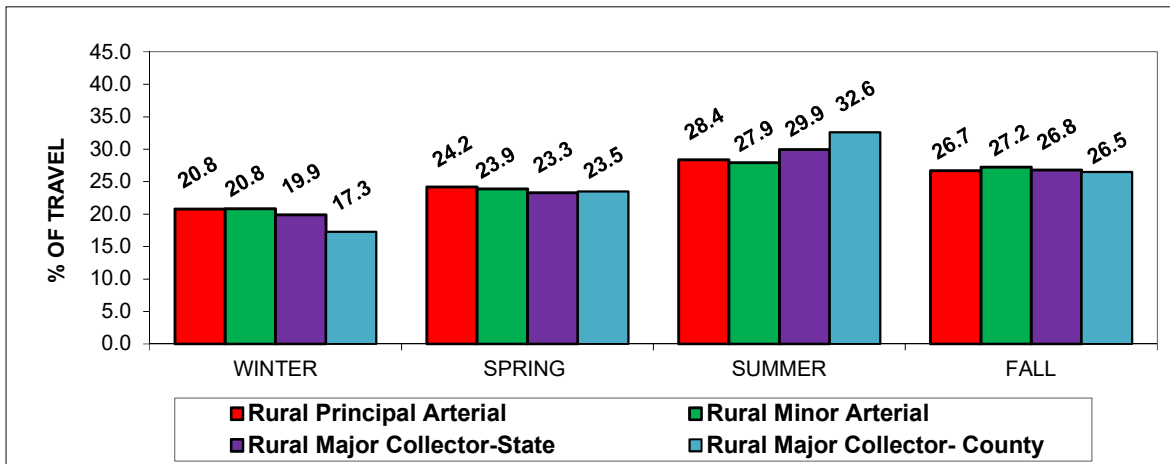
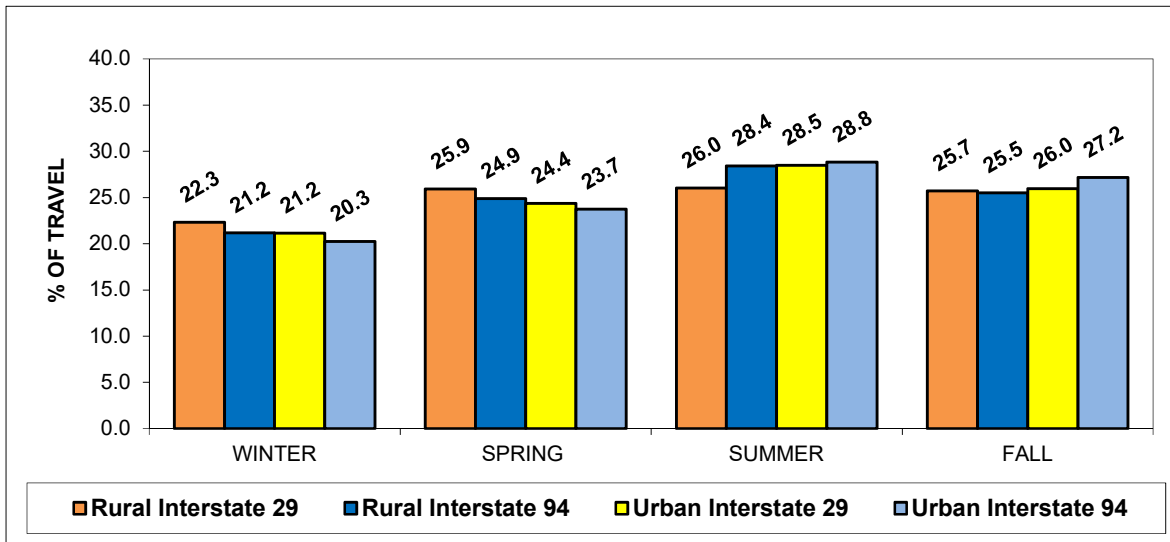
MONTHLY DISTRIBUTION OF ANNUAL TRAFFIC

TOTAL TRUCKS



SEASONAL DISTRIBUTION OF TRAVEL

TOTAL TRUCKS



**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2018**

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	4180	428	10.2%	350	8.4%	253	58-42
		WEST	4160	701	16.9%	446	10.7%	349	56-44
		EAST & WEST	8340	808	9.7%	683	8.2%		
223	NEW SALEM	EAST	4228	633	15.0%	501	11.8%	372	57-43
		WEST	4156	519	12.5%	394	9.5%	453	47-53
		EAST & WEST	8384	985	11.7%	793	9.5%		
245	TOWER CITY	EAST	5848	941	16.1%	724	12.4%	765	49-51
		WEST	5811	843	14.5%	738	12.7%	664	53-47
		EAST & WEST	11659	1,703	14.6%	1425	12.2%		
279	PAINTED CANYON	EAST	2229	443	19.9%	312	14.0%	200	61-39
		WEST	2185	468	21.4%	336	15.4%	298	53-47
		EAST & WEST	4414	738	16.7%	624	14.1%		
INTERSTATE RURAL - I-29									
211	BUXTON	NORTH	6273	1,132	18.0%	813	13.0%	634	56-44
		SOUTH	6196	1,091	17.6%	774	12.5%	442	64-36
		NORTH & SOUTH	12469	1,702	13.6%	1471	11.8%		
243	BOWESMONT	NORTH	1656	321	19.4%	238	14.4%	73	77-23
		SOUTH	1637	303	18.5%	231	14.1%	80	74-26
		NORTH & SOUTH	3293	493	15.0%	385	11.7%		
265	MOORETON	NORTH	3476	547	15.7%	388	11.2%	317	55-45
		SOUTH	3521	523	14.9%	401	11.4%	293	58-42
		NORTH & SOUTH	6997	987	14.1%	755	10.8%		
285	DAVENPORT	NORTH	6194	826	13.3%	724	11.7%	401	64-36
		SOUTH	6195	930	15.0%	798	12.9%	588	58-42
		NORTH & SOUTH	12389	1,644	13.3%	1381	11.1%		
INTERSTATE URBAN - I-94									
217	FARGO (U)	EAST	36512	4,827	13.2%	4420	12.1%	2652	63-38
		WEST	37374	4,609	12.3%	4448	11.9%	2590	63-37
		EAST & WEST	73886	8,293	11.2%	7593	10.3%		
283	BISMARCK (U)	EAST	15088	1,515	10.0%	1372	9.1%	1418	49-51
		WEST	14918	1,570	10.5%	1382	9.3%	1392	50-50
		EAST & WEST	30006	2,989	10.0%	2748	9.2%		
INTERSTATE URBAN - I-29									
235	FARGO (U)	NORTH	18915	2,850	15.1%	2313	12.2%	2171	52-48
		SOUTH	18015	2,404	13.3%	1973	11.0%	2202	47-53
		NORTH & SOUTH	36930	4,728	12.8%	4017	10.9%		
PRINCIPAL ARTERIAL RURAL									
201	RAY	EAST	2671	347	13.0%	280	10.5%	249	53-47
		WEST	2656	319	12.0%	276	10.4%	220	56-44
		EAST & WEST	5327	582	10.9%	525	9.9%		

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2018**

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	NORTH	2438	461	18.9%	341	14.0%		-
205	GWINNER	EAST	600	123	20.5%	112	18.7%	12	90-10
		WEST	612	152	24.8%	120	19.6%	47	72-28
		EAST & WEST	1212	196	16.2%	159	13.1%		
215	JAMESTOWN	EAST	1727	303	17.5%	198	11.5%	183	52-48
		WEST	1712	387	22.6%	188	11.0%	126	60-40
		EAST & WEST	3439	503	14.6%	364	10.6%		
219	MANDAN	NORTH	874	113	12.9%	87	10.0%	79	52-48
		SOUTH	879	200	22.8%	107	12.2%	63	63-37
		NORTH & SOUTH	1753	301	17.2%	174	9.9%		
221	FAIRFIELD	NORTH	1737	341	19.6%	191	11.0%	106	64-36
		SOUTH	1767	337	19.1%	232	13.1%	126	65-35
		NORTH & SOUTH	3504	418	11.9%	373	10.6%		
229	COOPERSTOWN	EAST	421	110	26.1%	48	11.4%	30	62-38
		WEST	392	109	27.8%	50	12.8%	27	65-35
		EAST & WEST	813	143	17.6%	87	10.7%		
233	FOXHOLM	EAST	1134	211	18.6%	126	11.1%	12	91-9
		WEST	1162	212	18.2%	128	11.0%	92	58-42
		EAST & WEST	2296	276	12.0%	227	9.9%		
237	NEKOMA	NORTH	456	77	16.9%	64	14.0%	38	63-37
		SOUTH	466	87	18.7%	69	14.8%	26	73-27
		NORTH & SOUTH	922	147	15.9%	119	12.9%		
239	NEW TOWN	EAST	3143	389	12.4%	323	10.3%	236	58-42
		WEST	3219	358	11.1%	315	9.8%	284	53-47
		EAST & WEST	6362	685	10.8%	622	9.8%		
241	BOTTINEAU	EAST	604	143	23.7%	93	15.4%	44	68-32
		WEST	626	121	19.3%	85	13.6%	45	65-35
		EAST & WEST	1230	173	14.1%	147	12.0%		
251	HAGUE	NORTH	420	69	16.4%	56	13.3%	35	62-38
		SOUTH	412	77	18.7%	55	13.3%	27	67-33
		NORTH & SOUTH	832	117	14.1%	101	12.1%		
253	RUGBY	EAST	1445	239	16.5%	169	11.7%	60	74-26
		WEST	1432	266	18.6%	196	13.7%	129	60-40
		EAST & WEST	2877	406	14.1%	318	11.1%		
255	CROSBY	EAST	417	100	24.0%	55	13.2%	39	59-41
		WEST	420	97	23.1%	55	13.1%	36	60-40
		EAST & WEST	837	151	18.0%	102	12.2%		
257	WILLISTON	EAST	1212	216	17.8%	114	9.4%	88	56-44
		WEST	1223	242	19.8%	145	11.9%	106	58-42
		EAST & WEST	2435	334	13.7%	235	9.7%		
261	CARRINGTON	NORTH	886	179	20.2%	116	13.1%	81	59-41
		SOUTH	888	197	22.2%	106	11.9%	106	50-50

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2018**

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	1774	254	14.3%	210	11.8%		
273	NEW LEIPZIG	EAST	179	42	23.5%	27	15.1%	10	73-27
		WEST	180	34	18.9%	21	11.7%	17	55-45
		EAST & WEST	359	51	14.2%	38	10.6%		
281	SAWYER	EAST	2340	383	16.4%	344	14.7%	217	61-39
		WEST	2389	391	16.4%	349	14.6%	143	71-29
		EAST & WEST	4729	573	12.1%	535	11.3%		
297	WILLISTON NW	NORTH	2268	287	12.7%	251	11.1%	245	51-49
		SOUTH	2285	365	16.0%	267	11.7%	216	55-45
		NORTH & SOUTH	4553	613	13.5%	497	10.9%		
299	KILLDEER200W	EAST	935	135	14.4%	105	11.2%	96	52-48
		WEST	938	116	12.4%	102	10.9%	97	51-49
		EAST & WEST	1873	218	11.6%	198	10.6%		
303	MICHIGAN	EAST	1957	306	15.6%	244	12.5%	179	58-42
		WEST	1962	341	17.4%	253	12.9%	185	58-42
		EAST & WEST	3919	573	14.6%	462	11.8%		
307	WASHBURN	NORTH	2768	526	19.0%	355	12.8%	322	52-48
		SOUTH	2751	445	16.2%	357	13.0%	218	62-38
		NORTH & SOUTH	5519	849	15.4%	663	12.0%		
309	NEWTOWN EAST	EAST	2226	400	18.0%	335	15.0%	137	71-29
		WEST	2188	332	15.2%	252	11.5%	83	75-25
		EAST & WEST	4414	599	13.6%	509	11.5%		
311	WILLISTON 2N	EAST	4584	471	10.3%	433	9.4%	451	49-51
		WEST	4548	514	11.3%	458	10.1%	438	51-49
		EAST & WEST	9132	953	10.4%	849	9.3%		
315	RYDER E23	EAST	1089	198	18.2%	146	13.4%	78	65-35
		WEST	1083	155	14.3%	123	11.4%	26	83-17
		EAST & WEST	2172	329	15.1%	237	10.9%		
337	BLAISDELL E2	EAST	2283	419	18.4%	364	15.9%	193	65-35
		WEST	2336	417	17.9%	371	15.9%	77	83-17
		EAST & WEST	4619	580	12.6%	530	11.5%		
339	GRASSY BUTTE	NORTH	1868	209	11.2%	189	10.1%	133	59-41
		SOUTH	1859	269	14.5%	219	11.8%	164	57-43
		NORTH & SOUTH	3727	426	11.4%	371	10.0%		
341	ALEXANDER85W	NORTH	3276	415	12.7%	338	10.3%	240	58-42
		SOUTH	3303	425	12.9%	312	9.4%	134	70-30
		NORTH & SOUTH	6579	676	10.3%	608	9.2%		
343	WATFORD E23	EAST	3010	506	16.8%	391	13.0%	159	71-29
		WEST	3006	633	21.1%	474	15.8%	215	69-31
		EAST & WEST	6016	713	11.9%	600	10.0%		
345	WILLIAMS N85	NORTH	1147	165	14.4%	124	10.8%	103	55-45
		SOUTH	1093	152	13.9%	120	11.0%	96	56-44

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2018**

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									
345	WILLIAMS N85	NORTH & SOUTH	2240	282	12.6%	229	10.2%		
349	BEULAH S49	NORTH	724	128	17.7%	90	12.4%	46	66-34
		SOUTH	720	128	17.8%	97	13.5%	63	61-39
		NORTH & SOUTH	1444	221	15.3%	168	11.6%		
351	COLUMBUS W5	EAST	271	68	25.1%	39	14.4%	27	59-41
		WEST	274	62	22.6%	38	13.9%	13	75-25
		EAST & WEST	545	89	16.3%	69	12.7%		
353	GRANVILLE E2	EAST	1401	259	18.5%	193	13.8%	159	55-45
		WEST	1382	256	18.5%	195	14.1%	110	64-36
		EAST & WEST	2783	427	15.3%	351	12.6%		
355	MOHALL W5	EAST	382	70	18.3%	51	13.4%	30	63-37
		WEST	379	77	20.3%	49	12.9%	31	61-39
		EAST & WEST	761	105	13.8%	89	11.7%		
419	EMERADO W2	EAST	3250	437	13.4%	360	11.1%	269	57-43
		WEST	3266	579	17.7%	465	14.2%	319	59-41
		EAST & WEST	6516	904	13.9%	728	11.2%		
423	HARVEY N3	NORTH	309	102	33.0%	44	14.2%	21	68-32
		SOUTH	308	76	24.7%	38	12.3%	20	66-34
		NORTH & SOUTH	617	115	18.6%	70	11.3%		
429	LAKOTA S1	NORTH	293	140	47.8%	45	15.4%	29	61-39
		SOUTH	301	116	38.5%	54	17.9%	20	73-27
		NORTH & SOUTH	594	165	27.8%	90	15.2%		
447	DUNSEITH E	NORTH	1281	346	27.0%	139	10.9%	106	57-43
		SOUTH	1294	259	20.0%	169	13.1%	125	57-43
		NORTH & SOUTH	2575	378	14.7%	291	11.3%		
449	SHEYENNE N	NORTH	560	81	14.5%	64	11.4%	52	55-45
		SOUTH	571	102	17.9%	73	12.8%	34	68-32
		NORTH & SOUTH	1131	143	12.6%	110	9.7%		
MINOR ARTERIAL RURAL									
231	GRAFTON	EAST	1223	238	19.5%	169	13.8%	63	73-27
		WEST	1229	195	15.9%	172	14.0%	95	64-36
		EAST & WEST	2452	334	13.6%	290	11.8%		
247	COURTENAY	NORTH	241	37	15.4%	24	10.0%	13	65-35
		SOUTH	235	33	14.0%	22	9.4%	15	59-41
		NORTH & SOUTH	476	54	11.3%	41	8.6%		
249	GARRISON	EAST	820	176	21.5%	133	16.2%	68	66-34
		WEST	816	213	26.1%	129	15.8%	130	50-50
		EAST & WEST	1636	339	20.7%	244	14.9%		
275	HANNOVER	NORTH	348	88	25.3%	50	14.4%	33	60-40
		SOUTH	344	65	18.9%	45	13.1%	35	56-44
		NORTH & SOUTH	692	114	16.5%	86	12.4%		
289	MANNING	NORTH	2563	463	18.1%	427	16.7%	128	77-23

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2018**

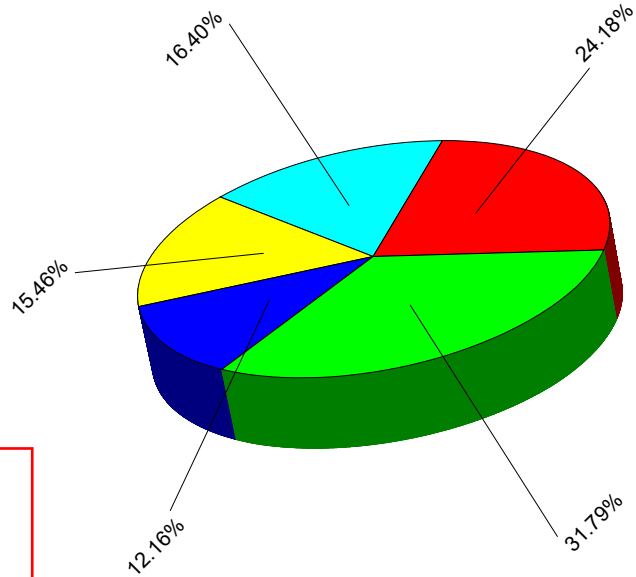
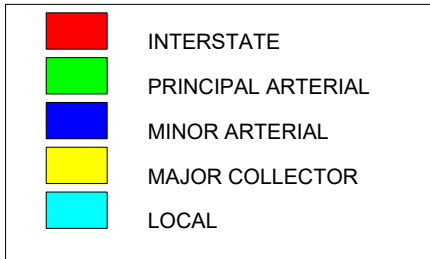
STATION NUMBER	STATION NAME	DIRECTION	ANNUAL AVERAGE DAILY TRAFFIC (AADT)	---- PEAK HOUR ----		----- DESIGN HOUR -----			
				VOLUME	% OF AADT	VOLUME	% OF AADT	VOLUME OPPOSITE DIR	DIRECTIONAL DISTRIBUTION
MINOR ARTERIAL RURAL									
289	MANNING	SOUTH	2530	456	18.0%	412	16.3%	130	76-24
		NORTH & SOUTH	5093	631	12.4%	583	11.4%		
291	MARMARTH	EAST	325	92	28.3%	52	16.0%	43	55-45
		WEST	325	71	21.8%	52	16.0%	19	73-27
		EAST & WEST	650	109	16.8%	91	14.0%		
293	KILLDEER	NORTH	2153	345	16.0%	301	14.0%	87	78-22
		SOUTH	2130	388	18.2%	325	15.3%	129	72-28
		NORTH & SOUTH	4283	536	12.5%	451	10.5%		
295	NECHE	NORTH	192	43	22.4%	29	15.1%	21	58-42
		SOUTH	202	58	28.7%	34	16.8%	8	81-19
		NORTH & SOUTH	394	82	20.8%	58	14.7%		
373	DICKINSON22S	NORTH	828	108	13.0%	83	10.0%	61	58-42
		SOUTH	826	129	15.6%	110	13.3%	58	65-35
		NORTH & SOUTH	1654	215	13.0%	159	9.6%		
453	OAKES S1	NORTH	626	84	13.4%	73	11.7%	88	45-55
		SOUTH	627	111	17.7%	81	12.9%	59	58-42
		NORTH & SOUTH	1253	184	14.7%	147	11.7%		
461	THOMPSON W15	EAST	806	167	20.7%	117	14.5%	43	73-27
		WEST	749	141	18.8%	114	15.2%	70	62-38
		EAST & WEST	1555	225	14.5%	186	12.0%		
727	ENDERLIN E46	EAST	998	216	21.6%	116	11.6%	112	51-49
		WEST	986	207	21.0%	130	13.2%	112	54-46
		EAST & WEST	1984	266	13.4%	231	11.6%		
759	WILTON E36	EAST	286	78	27.3%	41	14.3%	19	68-32
		WEST	279	60	21.5%	33	11.8%	24	58-42
		EAST & WEST	565	95	16.8%	60	10.6%		
MAJOR COLLECTOR - COUNTY									
101	MINOT55ST NE	NORTH	1356	200	14.7%	173	12.8%	195	47-53
		SOUTH	1376	228	16.6%	186	13.5%	161	54-46
		NORTH & SOUTH	2732	404	14.8%	342	12.5%		
103	MINOT46AV NE	EAST	607	123	20.3%	106	17.5%	66	62-38
		WEST	600	140	23.3%	112	18.7%	100	53-47
		EAST & WEST	1207	212	17.6%	182	15.1%		
225	STERLING	EAST	424	80	18.9%	64	15.1%	25	72-28
		WEST	390	97	24.9%	49	12.6%	34	59-41
		EAST & WEST	814	138	17.0%	100	12.3%		
259	AYR	EAST	179	68	38.0%	29	16.2%	11	73-28
		WEST	180	38	21.1%	29	16.1%	9	76-24
		EAST & WEST	359	78	21.7%	51	14.2%		
277	REGENT	NORTH	146	46	31.5%	26	17.8%	14	65-35
		SOUTH	151	75	49.7%	26	17.2%	15	63-37

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2018**

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
MAJOR COLLECTOR - COUNTY									
277	REGENT	NORTH & SOUTH	297	89	30.0%	47	15.8%		
MAJOR COLLECTOR - STATE									
267	TRENTON	NORTH	2147	465	21.7%	200	9.3%	223	47-53
		SOUTH	2131	374	17.6%	241	11.3%	149	62-38
		NORTH & SOUTH	4278	839	19.6%	412	9.6%		
783	KULM S56	NORTH	93	54	58.1%	24	25.8%	7	77-23
		SOUTH	97	33	34.0%	27	27.8%	2	93-7
		NORTH & SOUTH	190	71	37.4%	35	18.4%		
PRINCIPAL ARTERIAL URBAN									
287	GRAND FORKS	NORTH	11287	1,247	11.0%	1134	10.0%	1223	48-52
		SOUTH	10887	1,268	11.6%	1205	11.1%	1122	52-48
		NORTH & SOUTH	22174	2,463	11.1%	2306	10.4%		
501	FARGO (U)	NORTH	10537	1,467	13.9%	1380	13.1%	786	64-36
		SOUTH	12103	1,607	13.3%	1492	12.3%	1002	60-40
		NORTH & SOUTH	22640	2,687	11.9%	2474	10.9%		
503	BISMARCK (U)	EAST	6813	919	13.5%	846	12.4%	726	54-46
		WEST	6561	826	12.6%	726	11.1%	778	48-52
		EAST & WEST	13374	1,668	12.5%	1572	11.8%		
513	WFARGO MAIN (U)	EAST	3554	1,073	30.2%	520	14.6%	258	67-33
		WEST	3210	666	20.7%	529	16.5%	299	64-36
		EAST & WEST	6764	1,685	24.9%	969	14.3%		
603	WILLISTON (U)	EAST	3605	437	12.1%	384	10.7%	335	53-47
		WEST	3588	439	12.2%	363	10.1%	311	54-46
		EAST & WEST	7193	793	11.0%	723	10.1%		
605	MANDAN (U)	EAST	9099	997	11.0%	928	10.2%	1189	44-56
		WEST	9835	1,293	13.1%	1187	12.1%	832	59-41
		EAST & WEST	18934	2,194	11.6%	2051	10.8%		
MINOR ARTERIAL-URBAN									
607	DICKINSON (U)	EAST	1462	569	38.9%	218	14.9%	131	62-38
		WEST	1445	258	17.9%	217	15.0%	77	74-26
		EAST & WEST	2907	714	24.6%	360	12.4%		
611	MINOT (U)	EAST	1241	264	21.3%	173	13.9%	119	59-41
		WEST	1330	234	17.6%	178	13.4%	130	58-42
		EAST & WEST	2571	426	16.6%	315	12.3%		
COLLECTOR URBAN									
609	MINOT (U)	EAST	1298	218	16.8%	159	12.2%	145	52-48
		WEST	1247	190	15.2%	157	12.6%	127	55-45
		EAST & WEST	2545	361	14.2%	299	11.7%		

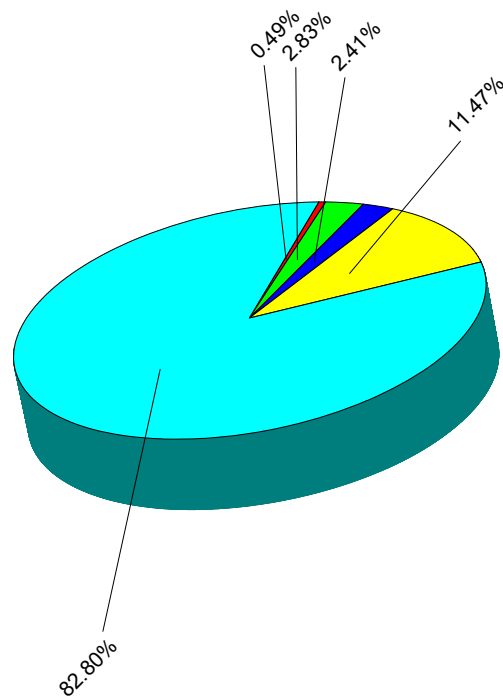
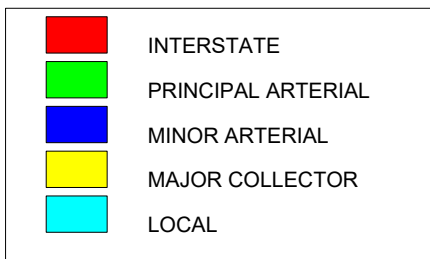
2018 COMPARISON OF VEHICLE MILES TO RURAL ROAD MILES

Vehicle Miles Traveled



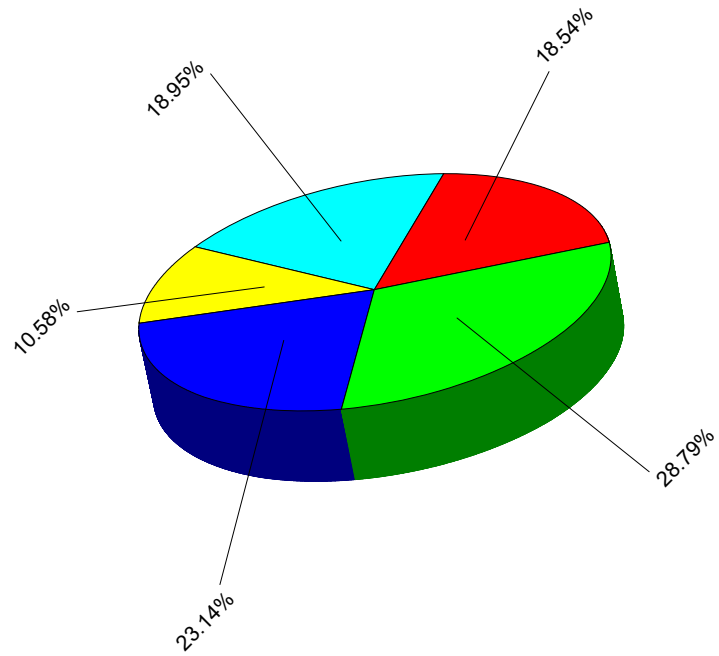
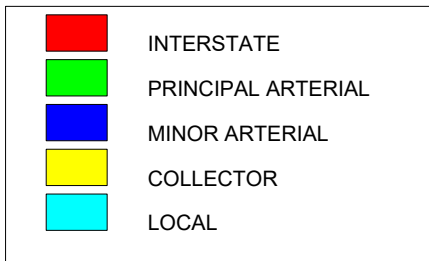
Interesting Facts:
 -Local roads comprise about 83% of the roads in the state but carry only about 16% of the traffic.
 -Interstates comprise less than 1% of the roads but carry around 24% of the traffic.
 -Principal Arterials comprise less than 3% of the roads but carry about 32% of the traffic.

Road Miles



2018 COMPARISON OF VEHICLE MILES TO URBAN ROAD MILES

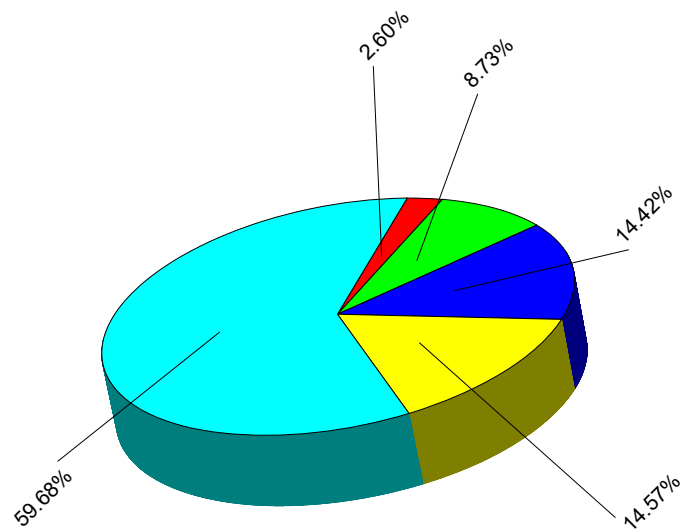
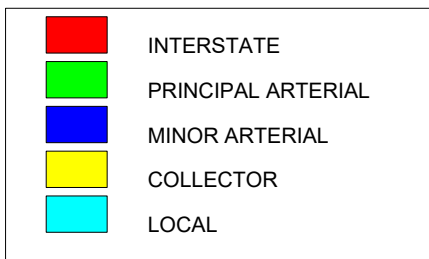
Vehicle Miles Traveled



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 2018 EXISTING MILEAGE OF NORTH DAKOTA ROADS AND STREETS
CLASSIFIED BY SYSTEMS**

SYSTEM	SURFACED MILEAGE			UNSURFACED MILEAGE		TOTALS	NHS
	HARD SURFACES			GRADED/ DRAINED	UNIMPROVED ROADS		HARD SURFACES
	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

2018 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	50,252	202,685	86,122	67,136	69,017	475,211
DEVILS LAKE		19,030	6,238	7,228	4,861	37,357
DICKINSON	19,995	31,626	33,035	14,740	29,910	129,306
FARGO	299,190	173,272	243,712	88,097	240,372	1,044,644
GRAND FORKS	15,690	117,731	56,218	34,909	39,864	264,413
JAMESTOWN	15,891	28,537	10,942	10,319	13,869	79,559
MANDAN	65,614	44,700	33,868	9,825	11,645	165,652
MINOT		109,768	67,916	20,988	55,822	254,493
VALLEY CITY	16,491	5,425	7,431	5,306	6,386	41,038
WAHPETON		12,950	7,687	4,584	11,103	36,325
WEST FARGO	37,633	19,859	63,458	20,139	26,621	167,710
WILLISTON		43,256	33,427	14,048	23,016	113,746
TOTAL	520,757	808,838	650,055	297,319	532,486	2,809,454

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

2018 RURAL ANNUAL VEHICLE MILES OF TRAVEL BY FUNCTIONAL CLASS

(VEHICLE MILES OF TRAVEL SHOWN IN THOUSANDS)

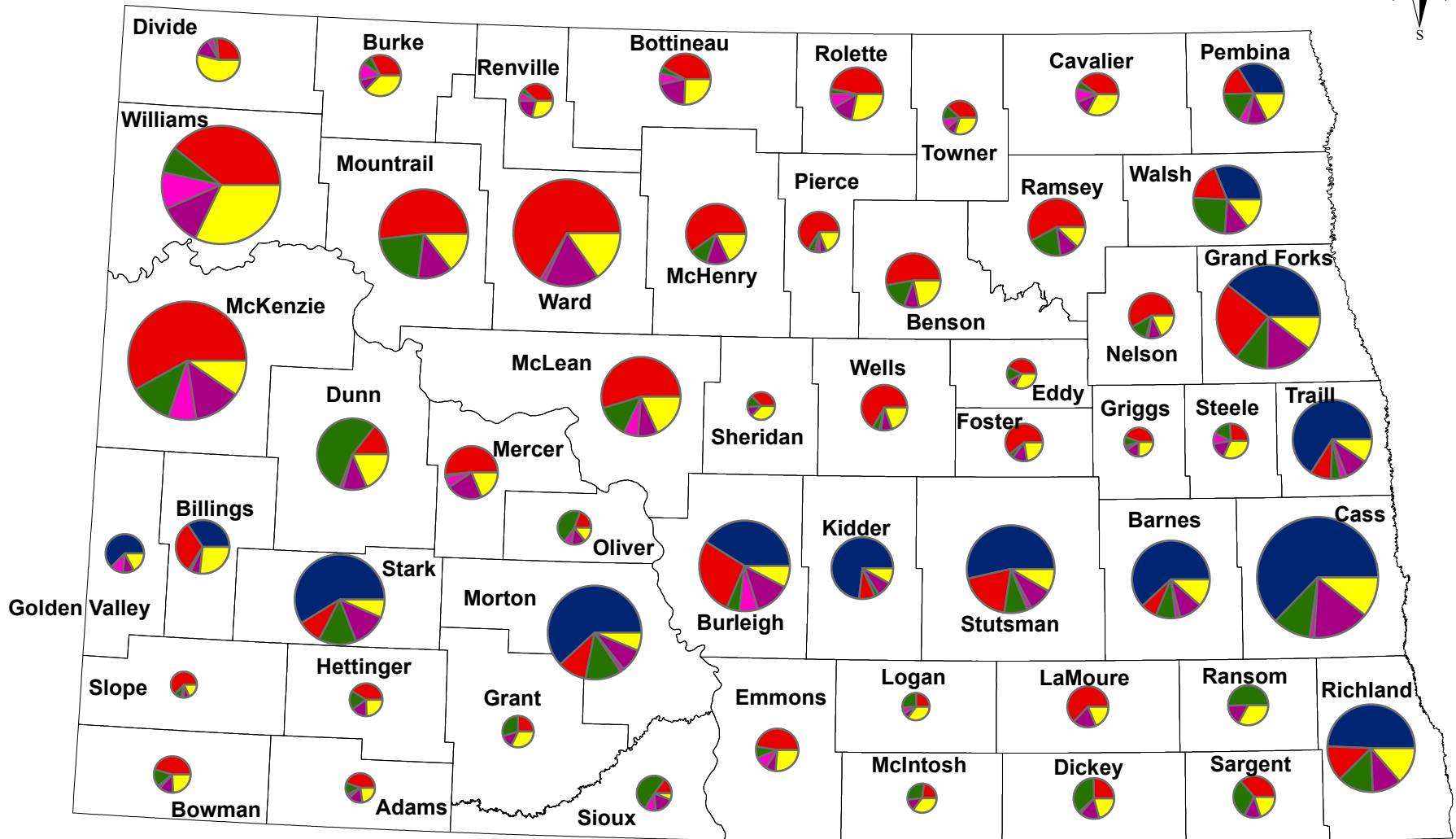
COUNTY	INTERSTATE	PRINCIPAL ARTERIAL	MINOR ARTERIAL	STATE MAJOR COLLECTOR	COUNTY MAJOR COLLECTOR	LOCAL ROADS	TOTAL
ADAMS		13,154	3,751	1,320	4,605	6,652	29,482
BARNES	126,850	13,962	17,052	3,760	19,545	23,694	204,863
BENSON		52,834	16,796	288	8,955	21,557	100,430
BILLINGS	33,654	31,205	1,520		5,327	26,149	97,855
BOTTINEAU		37,374	3,957	6,173	18,854	22,700	89,058
BOWMAN		20,820	6,905	1,076	5,659	11,037	45,497
BURKE		18,906	4,204	8,037	5,174	21,900	58,220
BURLEIGH	114,999	77,170	12,936	18,605	34,904	21,590	280,204
CASS	312,849		50,645	6,391	75,402	53,481	498,766
CAVALIER		24,324	3,471	6,327	6,847	20,080	61,049
DICKEY		14,170	20,587	932	8,766	11,652	56,107
DIVIDE		16,539	1,712	2,689	8,192	33,893	63,026
DUNN		24,968	94,676	2,620	18,924	32,016	173,204
EDDY		12,760	4,594		2,808	9,647	29,810
EMMONS		29,168	5,330	6,049	4,767	16,115	61,429
FOSTER		29,153	1,938		6,155	10,660	47,907
GOLDEN VALLEY	31,589			5,515	4,720	8,738	50,564
GRAND FORKS	142,881	89,980	37,321	1,953	54,013	37,970	364,119
GRANT		8,481	10,014		4,391	10,839	33,724
GRIGGS		12,646	2,987	1,250	4,363	7,224	28,470
HETTINGER		15,098	6,789		5,832	8,911	36,629
KIDDER	94,964	10,742	3,010		10,187	10,547	129,451
LAMOURE		35,897	494	243	10,476	10,659	57,770
LOGAN		6,368	6,688	1,781	1,784	8,918	25,539
MC HENRY		73,263	12,108	890	14,966	21,838	123,064
MC INTOSH		6,674	8,370		3,727	10,220	28,991
MC KENZIE		276,643	56,259	36,347	61,597	46,053	476,897
MC LEAN		116,592	28,332	12,324	17,041	38,702	212,991
MERCER		48,696	1,501	6,037	20,990	17,667	94,890
MORTON	185,580	29,996	37,175	4,065	24,069	18,914	299,797
MOUNTRAIL		138,828	56,298	2,389	33,449	38,736	269,701
NELSON		40,361	8,645	1,106	6,596	12,284	68,991
OLIVER		7,557	17,551	2,768	5,241	5,486	38,603
PEMBINA	41,909	20,319	20,827	5,295	13,407	21,977	123,734
PIERCE		37,187	3,190	2,131	3,038	10,681	56,228
RAMSEY		64,170	21,312		11,926	13,393	110,801
RANSOM			27,511		9,091	18,021	54,622
RENVILLE		14,622	1,790	3,011	8,061	11,132	38,616
RICHLAND	128,861	34,035	34,491		28,005	35,667	261,058
ROLETTE		44,855	3,023	8,369	12,617	26,858	95,721
SARGENT		21,503	18,422		7,539	11,777	59,242
SHERIDAN		9,517	3,688	240	2,900	9,490	25,836
SIOUX		6,127	21,165	4,150	7,183	2,531	41,157
SLOPE		14,599	2,008	696	1,633	4,194	23,130
STARK	161,721	23,748	37,312		34,223	18,126	275,131
STEELE		10,521	7,013	4,094	6,340	13,044	41,012
STUTSMAN	140,750	50,274	22,515	4,259	23,020	22,131	262,949
TOWNER		14,738	5,019	3,572	3,366	11,535	38,229
TRAILL	141,015	18,115	8,395	5,335	20,665	20,279	213,804
WALSH	48,825	28,353	38,704	1,244	18,195	22,794	158,116
WARD		260,728		5,587	64,837	59,581	390,733
WELLS		47,531	3,466	762	5,726	13,842	71,326
WILLIAMS		188,069	34,649	47,460	54,036	153,675	477,888
TOTAL	1,706,446	2,243,341	858,115	237,138	854,137	1,157,255	7,056,432

2018 ANNUAL VEHICLE MILES OF TRAVEL BY COUNTY

(VEHICLE MILES OF TRAVEL SHOWN IN THOUSANDS)

COUNTY	RURAL	URBAN	COUNTY TOTAL	PERCENT OF STATE TRAVEL
ADAMS	29,482		29,482	0.30%
BARNES	204,863	41,038	245,901	2.49%
BENSON	100,430		100,430	1.02%
BILLINGS	97,855		97,855	0.99%
BOTTINEAU	89,058		89,058	0.90%
BOWMAN	45,497		45,497	0.46%
BURKE	58,220		58,220	0.59%
BURLEIGH	280,204	475,211	755,415	7.66%
CASS	498,766	1,212,354	1,711,120	17.34%
CAVALIER	61,049		61,049	0.62%
DICKEY	56,107		56,107	0.57%
DIVIDE	63,026		63,026	0.64%
DUNN	173,204		173,204	1.76%
EDDY	29,810		29,810	0.30%
EMMONS	61,429		61,429	0.62%
FOSTER	47,907		47,907	0.49%
GOLDEN VALLEY	50,564		50,564	0.51%
GRAND FORKS	364,119	264,413	628,531	6.37%
GRANT	33,724		33,724	0.34%
GRIGGS	28,470		28,470	0.29%
HETTINGER	36,629		36,629	0.37%
KIDDER	129,451		129,451	1.31%
LAMOURE	57,770		57,770	0.59%
LOGAN	25,539		25,539	0.26%
MC HENRY	123,064		123,064	1.25%
MC INTOSH	28,991		28,991	0.29%
MC KENZIE	476,897		476,897	4.83%
MC LEAN	212,991		212,991	2.16%
MERCER	94,890		94,890	0.96%
MORTON	299,797	165,652	465,450	4.72%
MOUNTRAIL	269,701		269,701	2.73%
NELSON	68,991		68,991	0.70%
OLIVER	38,603		38,603	0.39%
PEMBINA	123,734		123,734	1.25%
PIERCE	56,228		56,228	0.57%
RAMSEY	110,801	37,357	148,157	1.50%
RANSOM	54,622		54,622	0.55%
RENVILLE	38,616		38,616	0.39%
RICHLAND	261,058	36,325	297,383	3.01%
ROLETTE	95,721		95,721	0.97%
SARGENT	59,242		59,242	0.60%
SHERIDAN	25,836		25,836	0.26%
SIOUX	41,157		41,157	0.42%
SLOPE	23,130		23,130	0.23%
STARK	275,131	129,306	404,437	4.10%
STEELE	41,012		41,012	0.42%
STUTSMAN	262,949	79,559	342,508	3.47%
TOWNER	38,229		38,229	0.39%
TRAILL	213,804		213,804	2.17%
WALSH	158,116		158,116	1.60%
WARD	390,733	254,493	645,226	6.54%
WELLS	71,326		71,326	0.72%
WILLIAMS	477,888	113,746	591,634	6.00%
TOTAL	7,056,432	2,809,454	9,865,886	100.00%

2018 RURAL ANNUAL VEHICLE MILES OF TRAVEL BY FUNCTIONAL CLASSIFICATION



(48)

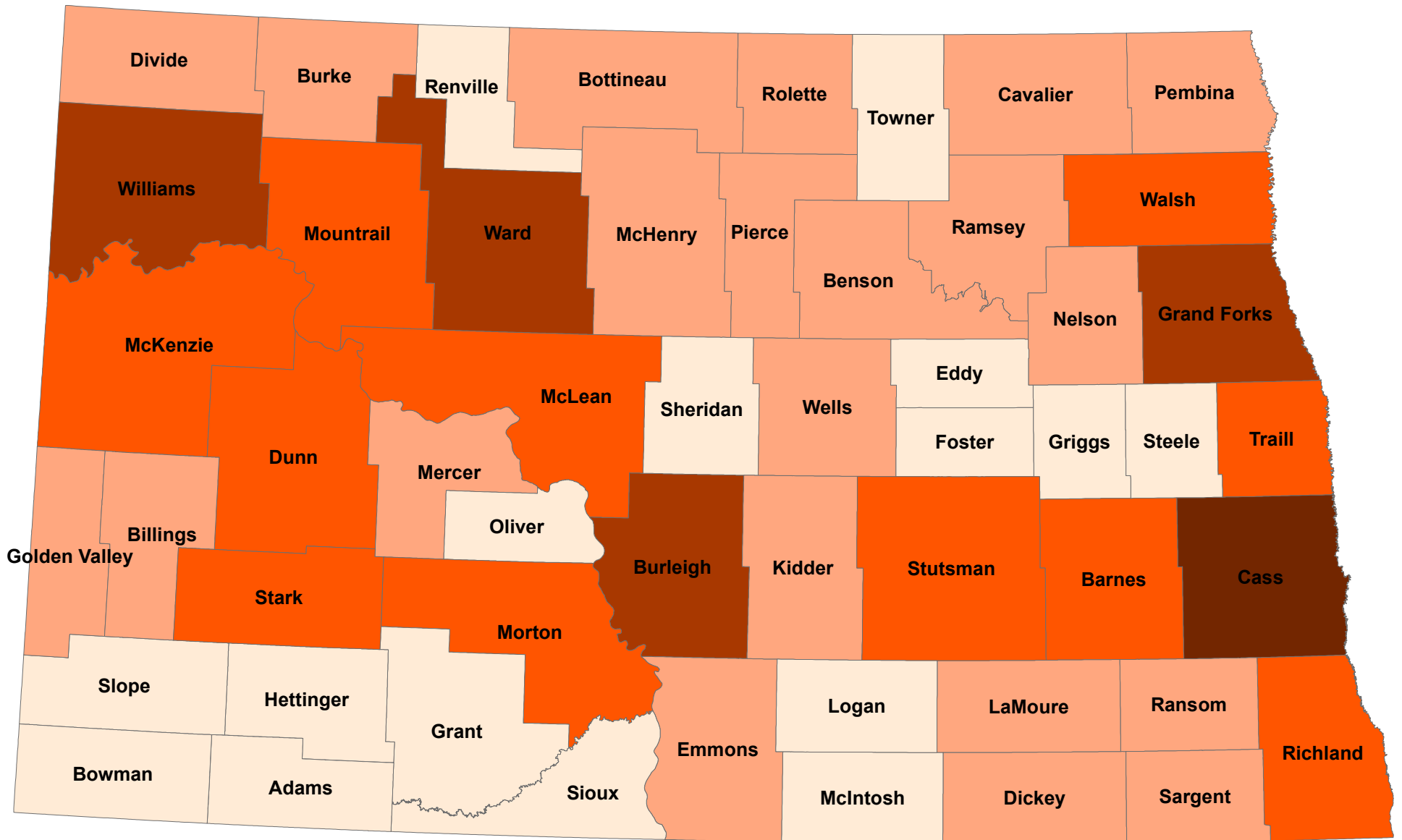
FUNCTIONAL CLASSES

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

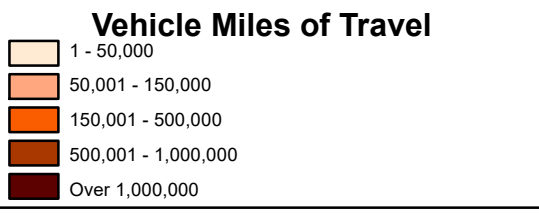
NOTES: - Data from page 46 of this report.
 - The size of each individual pie chart is representative of the total VMT in that county.

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2018 TOTAL ANNUAL VEHICLE MILES OF TRAVEL



(49)



NOTES: - Data from page 47 of this report.
 - Vehicle miles of travel shown in thousands.

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Statewide VMT

All State Highways

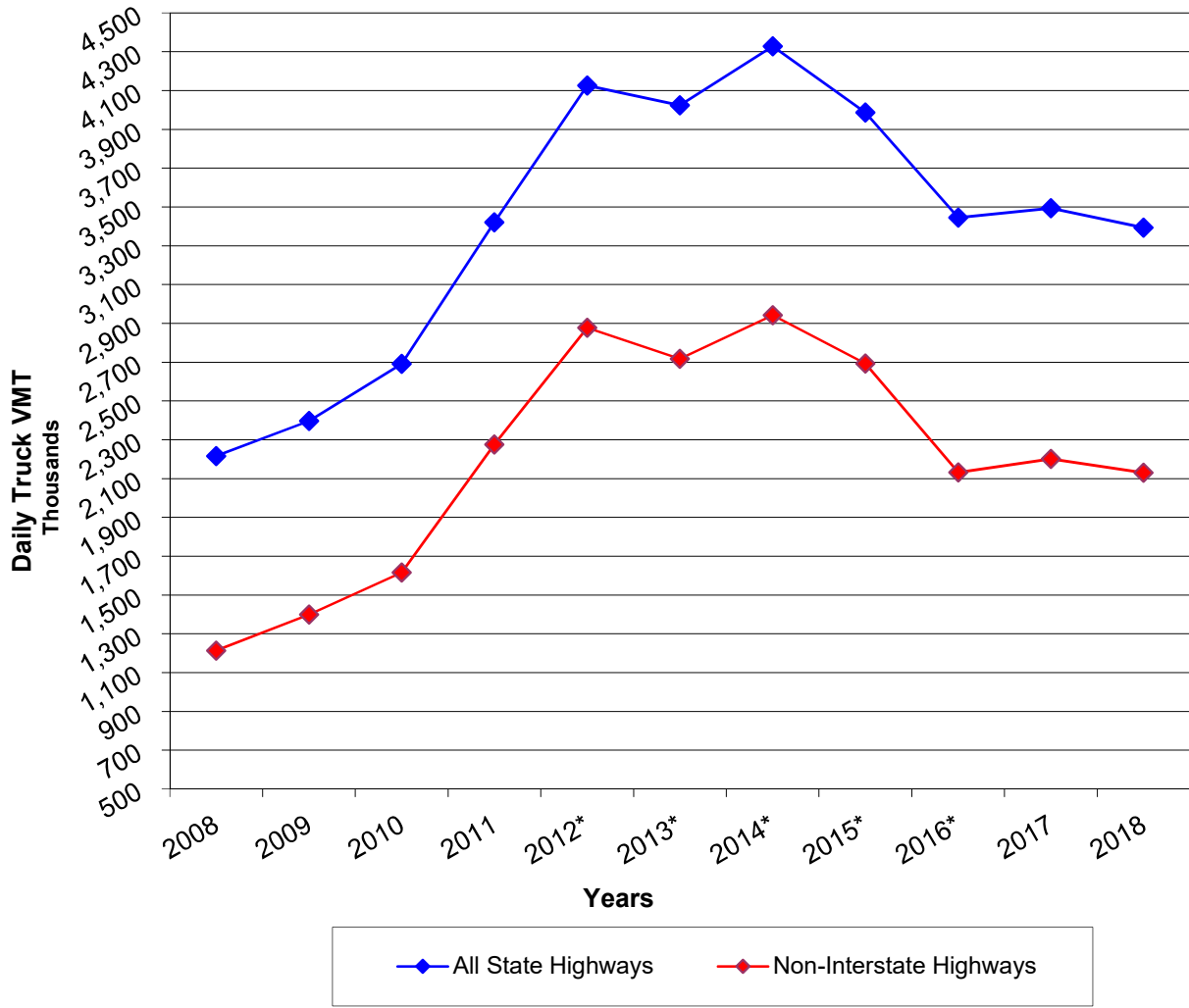
Years	Annual Daily VMT	Annual VMT	Annual Daily Truck VMT	Annual Truck VMT	% Total Trucks	% Combination Trucks
2002	12,372,609	4,516,002,285	2,065,392	753,868,080	16.69%	12.69%
2003	12,584,059	4,593,181,535	2,132,255	778,273,075	16.94%	12.94%
2004	12,834,849	4,684,719,885	2,139,703	780,991,595	16.67%	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%
2018	17,109,024	6,244,793,760	3,393,625	1,238,673,125	19.84%	15.84%

Non-Interstate Highways

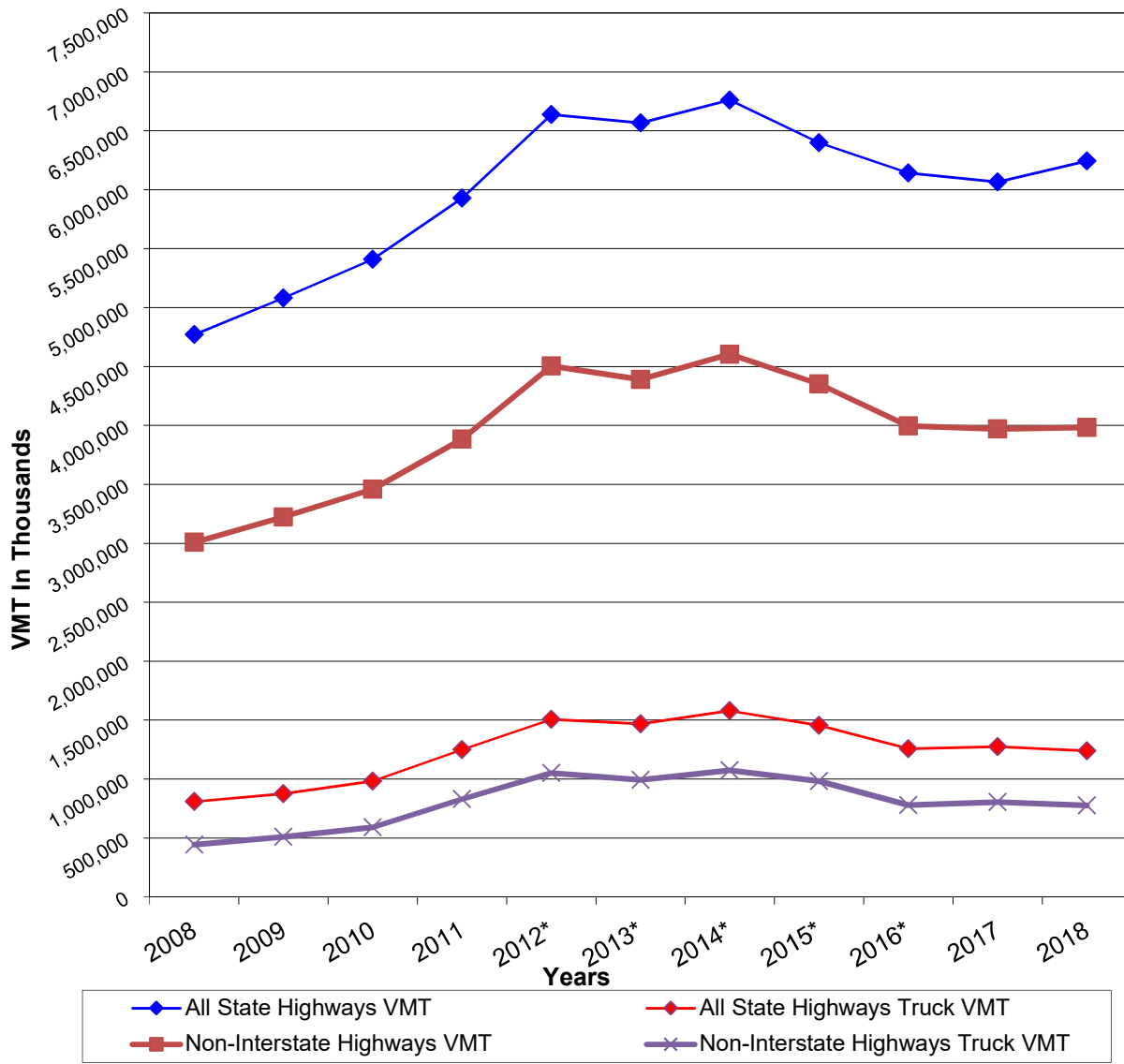
Years	Annual Daily VMT	Annual VMT	Annual Daily Truck VMT	Annual Truck VMT	% Total Trucks	% Combination Trucks
2002	7,998,087	2,919,301,755	1,169,617	426,910,205	14.62%	11.62%
2003	8,063,953	2,943,342,845	1,210,348	441,777,020	15.01%	12.01%
2004	8,106,756	2,958,965,940	1,181,721	431,328,165	14.58%	11.58%
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%
2018	10,912,447	3,983,043,155	2,130,594	777,666,810	19.52%	16.52%

*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

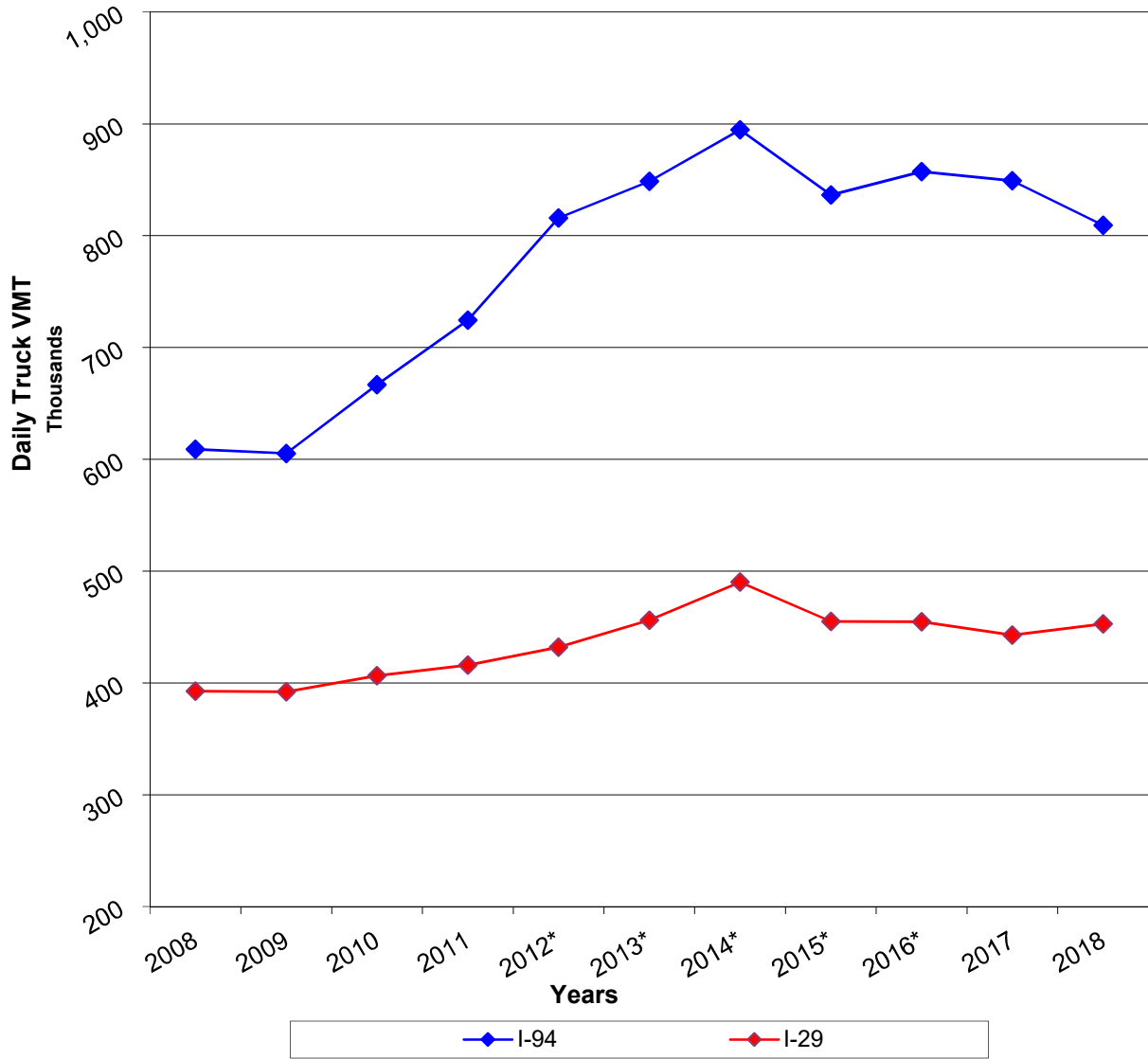
Years	Annual Daily VMT	Annual VMT	Annual Daily Truck VMT	Annual Truck VMT	% Total Trucks	% Combination Trucks
2001	2,526,691	922,242,215	521,943	190,509,195	20.66%	16.66%
2002	2,635,093	961,808,945	524,858	191,573,170	19.92%	15.92%
2003	2,692,975	982,935,875	536,105	195,678,325	19.91%	15.91%
2004	2,860,897	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%
2018	3,842,369	1,402,464,685	809,431	295,442,315	21.07%	17.07%

I-29

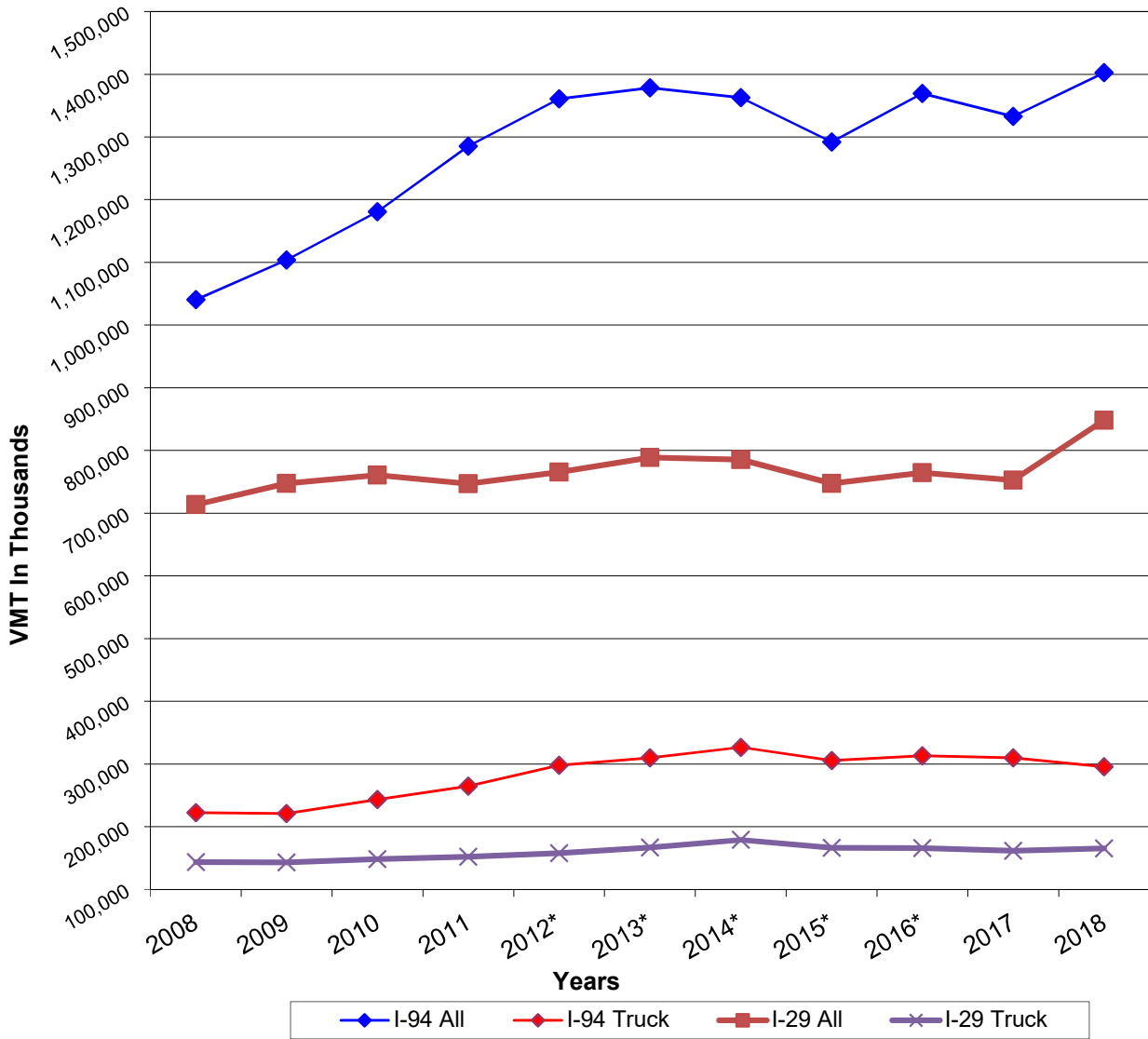
Years	Annual Daily VMT	Annual VMT	Annual Daily Truck VMT	Annual Truck VMT	% Total Trucks	% Combination Trucks
2001	1,670,382	609,689,430	345,233	126,010,045	20.67%	17.67%
2002	1,739,429	634,891,585	370,917	135,384,705	21.32%	18.32%
2003	1,827,132	666,903,180	385,802	140,817,730	21.12%	18.12%
2004	1,867,196	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%
2018	2,324,048	848,277,520	452,829	165,282,585	19.48%	16.48%

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

Annual Daily Truck VMT for Interstate



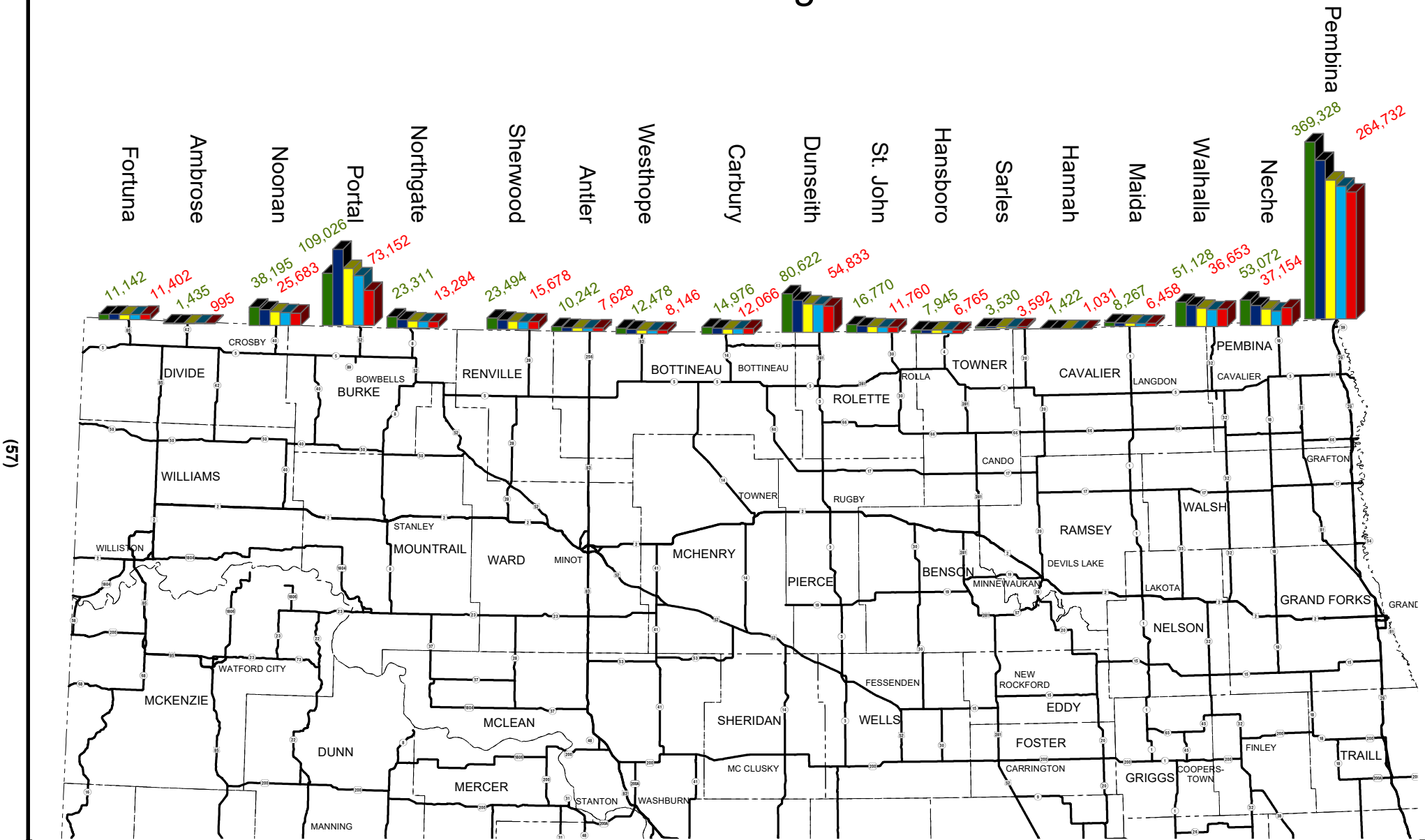
Annual VMT for Interstate



BORDER CROSSINGS
(VEHICLES ENTERING THE UNITED STATES FROM CANADA)

PORT OF ENTRY	HWY	----- AUTOMOBILES -----			----- TRUCKS -----		
		FISCAL 2017	FISCAL 2018	% CHANGE	FISCAL 2017	FISCAL 2018	% CHANGE
FORTUNA	85	10,783	11,402	5.74%	4,686	4,083	-12.87%
AMBROSE	42	1,233	995	-19.30%	12	157	1208.33%
NOONAN	40	26,915	25,683	-4.58%	3,581	2,439	-31.89%
PORTAL	52	103,682	73,152	-29.45%	81,981	90,894	10.87%
NORTHGATE	8	13,516	13,284	-1.72%	12,689	13,278	4.64%
SHERWOOD	28	15,273	15,678	2.65%	6,649	5,604	-15.72%
ANTLER	256	7,068	7,628	7.92%	1,813	3,023	66.74%
WESTHOPE	83	7,851	8,146	3.76%	9,131	8,877	-2.78%
CARBURY	14	10,966	12,066	10.03%	1,588	2,062	29.85%
DUNSEITH	281	57,866	54,833	-5.24%	25,513	27,678	8.49%
ST. JOHN	30	11,610	11,760	1.29%	479	738	54.07%
HANSBORO	4	7,322	6,765	-7.61%	308	162	-47.40%
SARLES	20	3,362	3,592	6.84%	1,081	659	-39.04%
HANNAH	CMC 1013	1,026	1,031	0.49%	172	79	-54.07%
MAIDA	1	6,276	6,458	2.90%	1,386	1,495	7.86%
WALHALLA	32	35,191	36,653	4.15%	7,253	7,582	4.54%
NECHE	18	30,187	37,154	23.08%	7,708	7,515	-2.50%
PEMBINA	I-29	277,247	264,732	-4.51%	214,218	222,733	3.97%
TOTAL		627,374	591,012	-5.80%	380,248	399,058	4.95%

Total Auto Volume Entering from Canada



Bar Chart Years

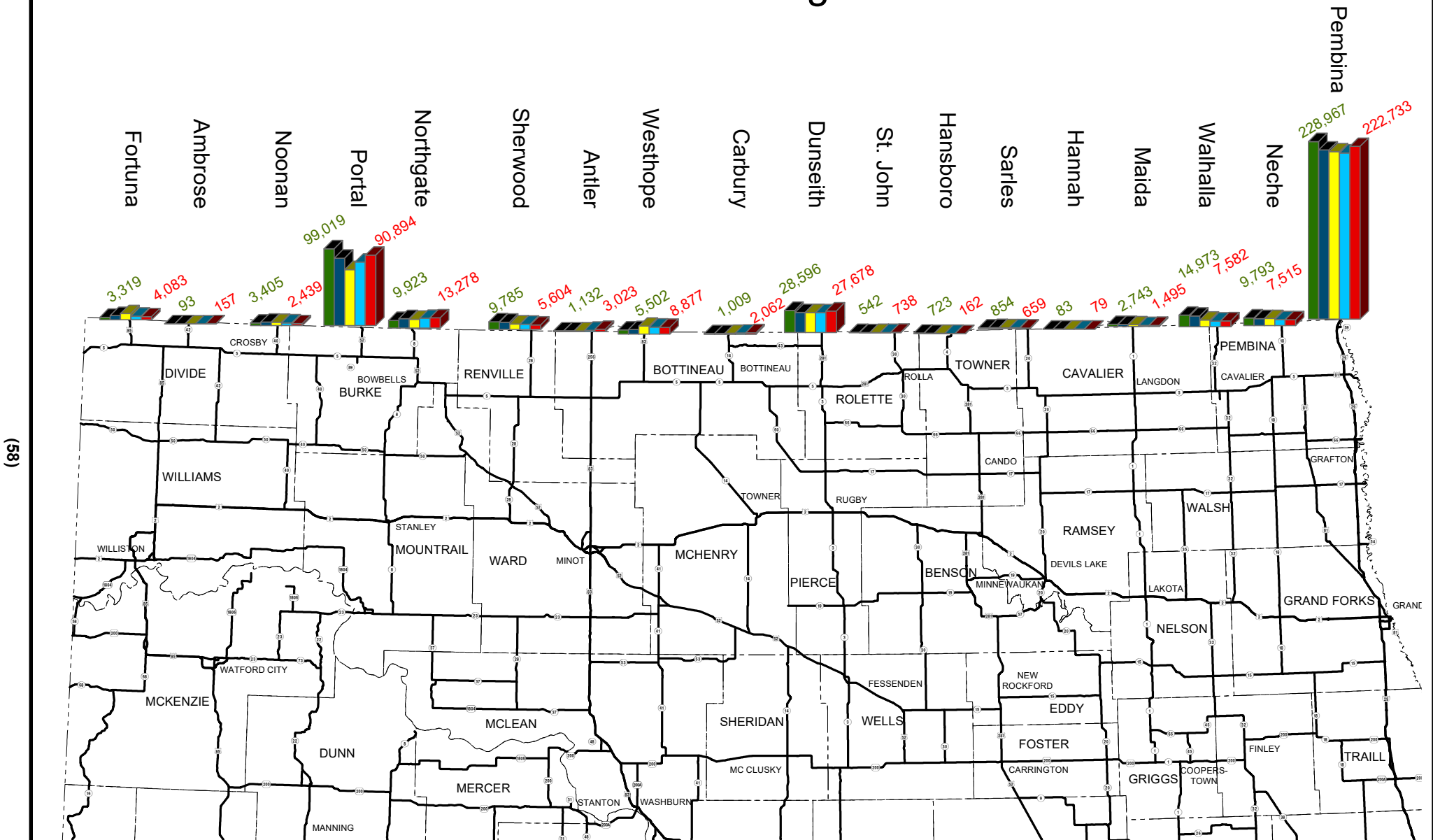


NOTE - The size of the bar chart corresponds to total autos by border crossing.
 - The numbers given above the charts are for the years 2014 (green) and 2018 (red).
 - This border crossing data is provided by the U.S. Department of Homeland Security.
 - The reporting period was for the 2018 fiscal year which ran from Oct. 1, 2017 to Sept. 30, 2018.



Planning & Asset Management Division
 Traffic Data Section
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Total Truck Volume Entering from Canada



(58)

Bar Chart Years

- 2014
- 2015
- 2016
- 2017
- 2018

NOTE - The size of the bar chart corresponds to total trucks by border crossing.
 - The numbers given above the charts are for the years 2014 (green) and 2018 (red).
 - This border crossing data is provided by the U.S. Department of Homeland Security.
 - The reporting period was for the 2018 fiscal year which ran from Oct. 1, 2017 to Sept. 30, 2018.



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