

NORTH DAKOTA 2019 TRAFFIC REPORT



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

May 2020

NORTH DAKOTA 2019 TRAFFIC REPORT

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

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May 2020

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OVERVIEW

This report contains summaries of data obtained from studies conducted in 2019 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 3518 locations on various highways, roads, and streets primarily in the central 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
1986	685	648	1.06	419	94.60	8,694	8,225	5,634

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)
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
2019	762	949	0.80	762	124.54	10,388	12,938	9,859

FUEL TAXED INCLUDES GALLONS OF GAS FOR OTHER THAN MOTOR VEHICLES

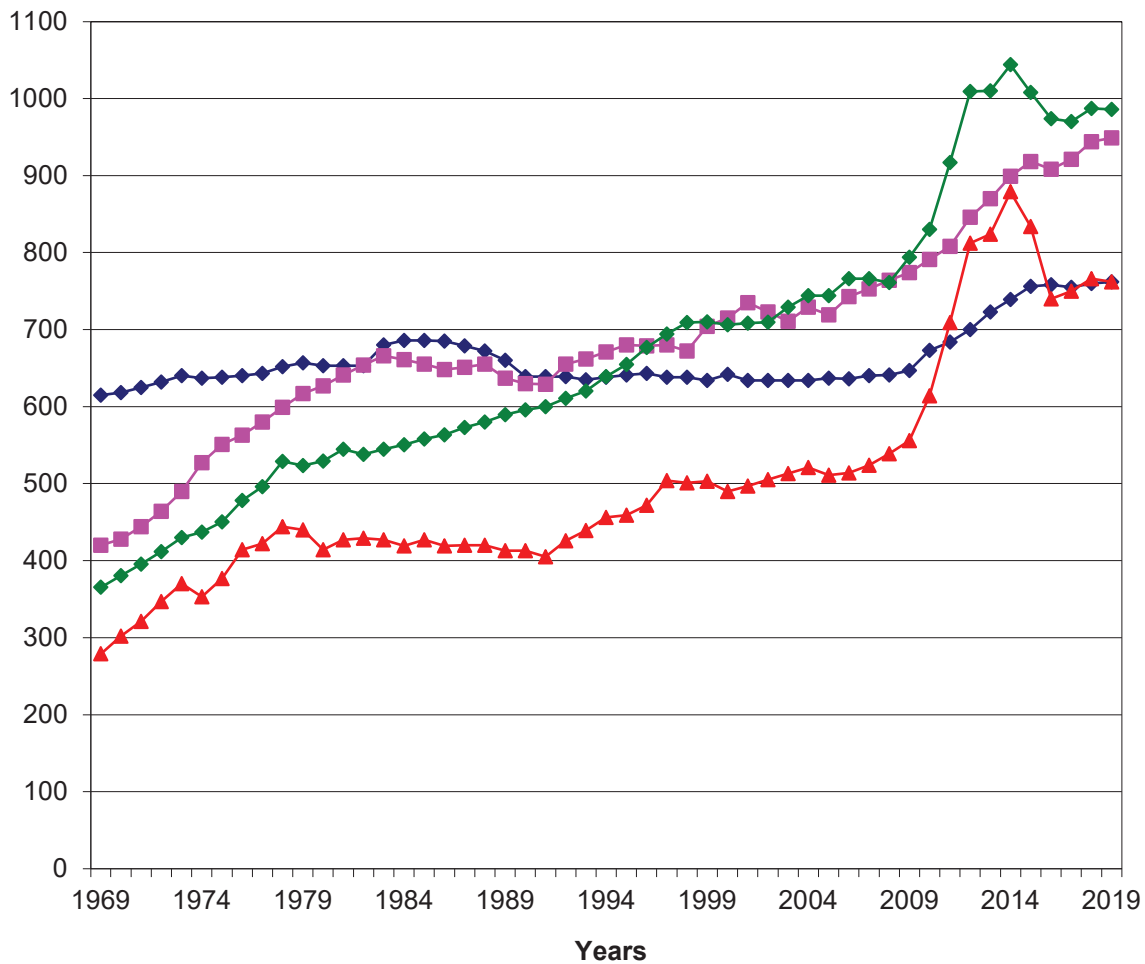
Annual Vehicle Miles figures are for all roads in the state including trails and unimproved roads

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

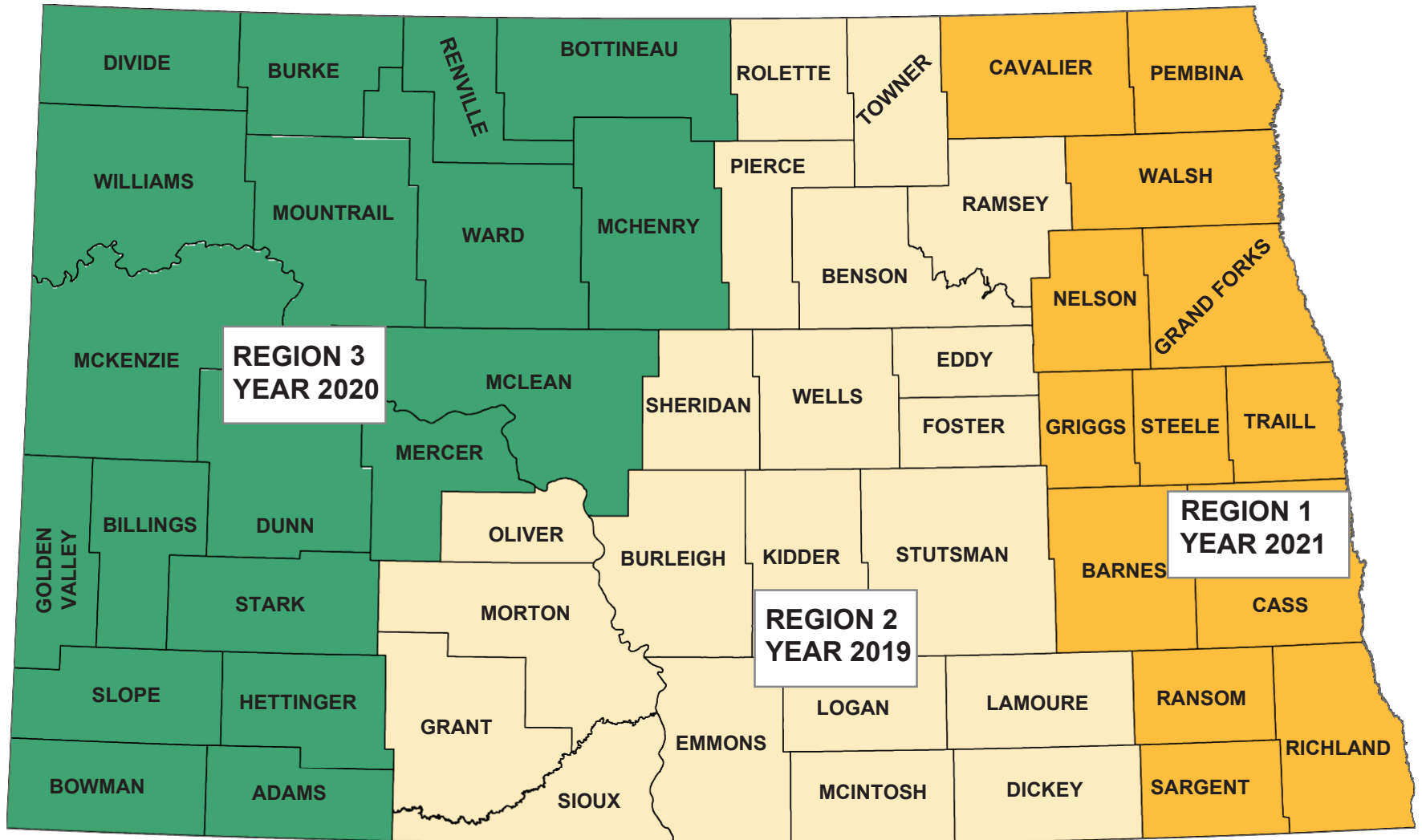
For the Years 1969 - 2019



North Dakota Department of Transportation Current Traffic Counting Cycle



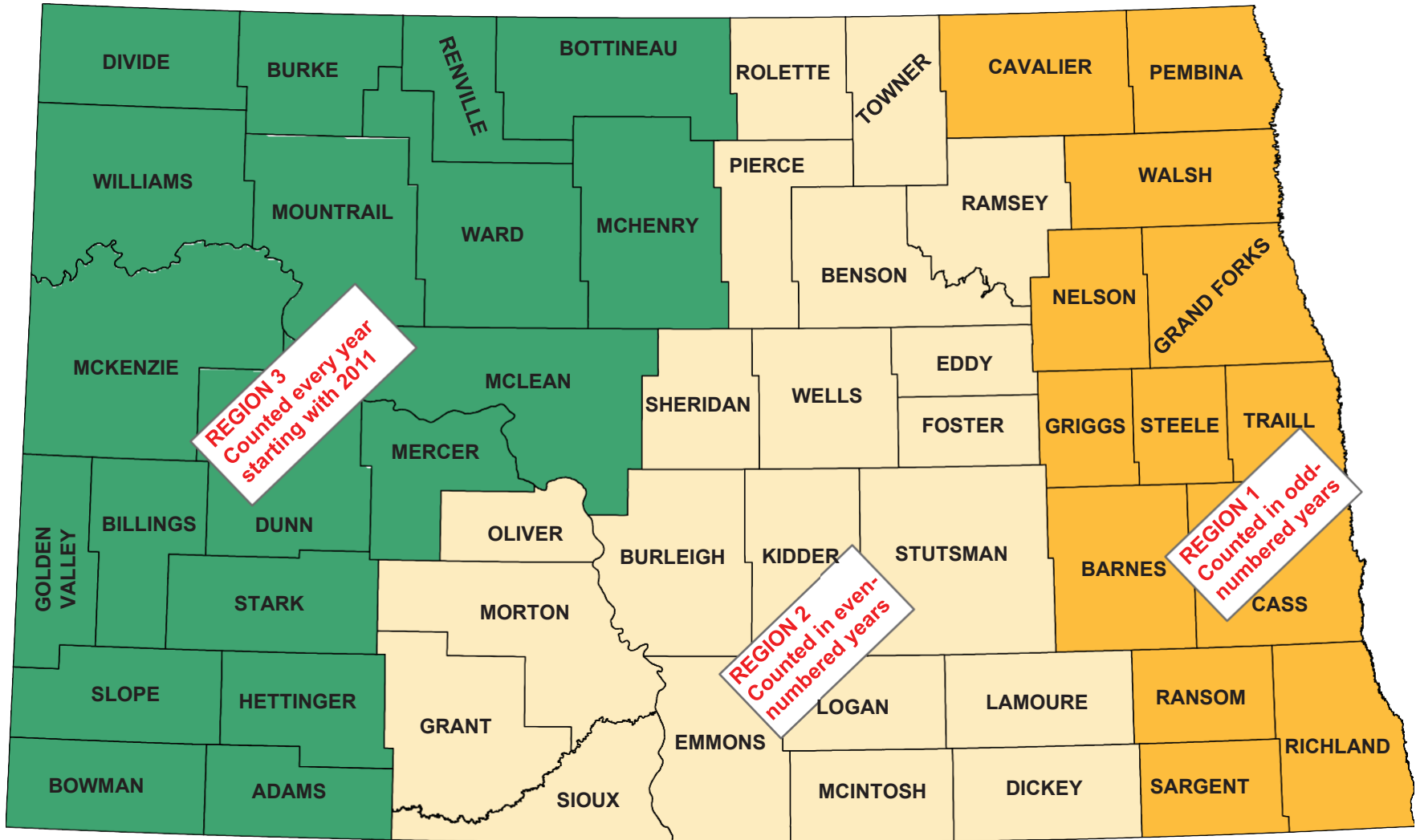
Region 3 and one other region per year were counted from 2012 to 2016.
One region is counted per year starting in 2017. Region 3 is no longer counted every year.



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	2019	2022
Mandan	2019	2022
Devils Lake	2019	2022
Jamestown	2019	2022

*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

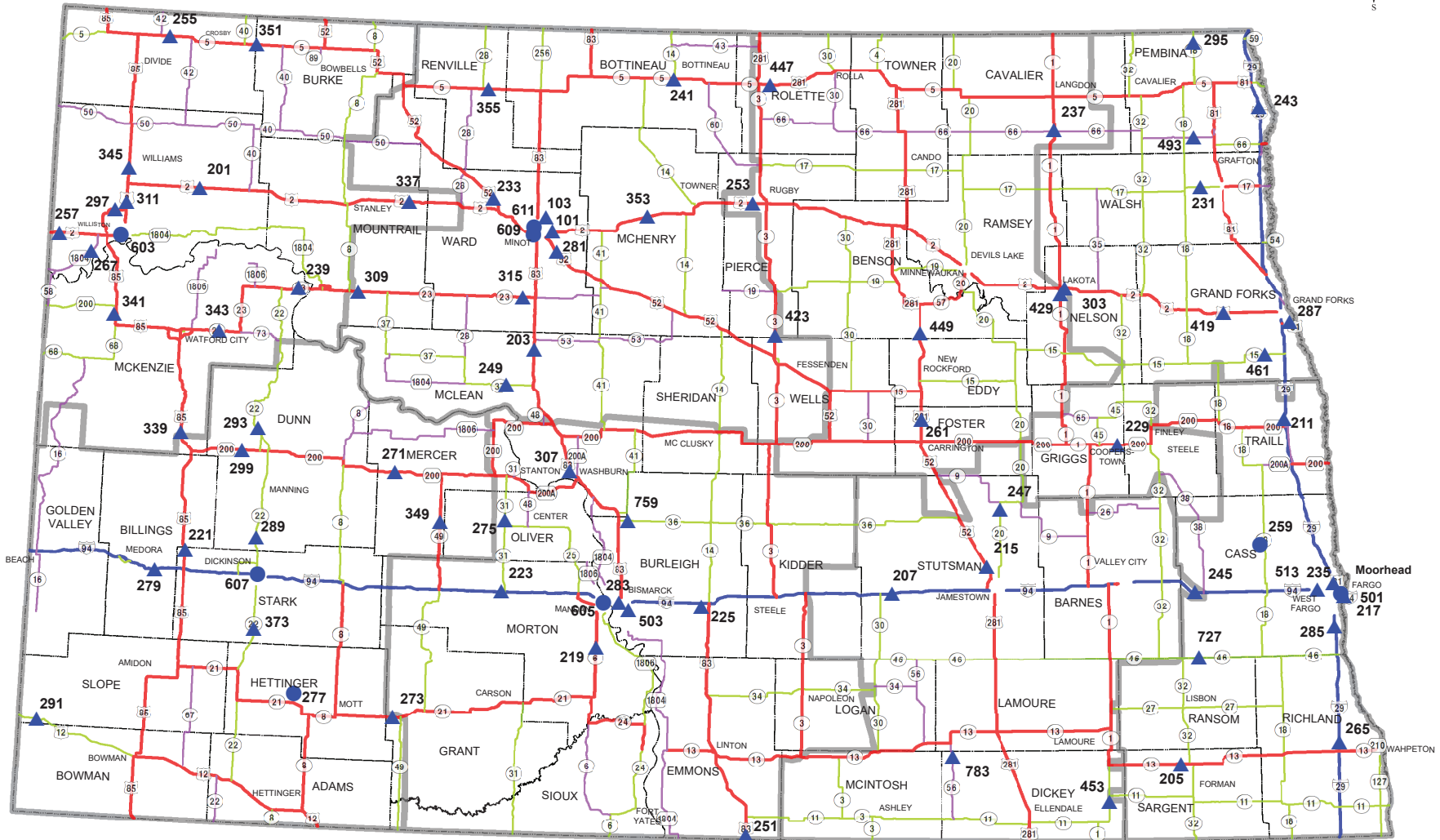
**NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
ATR LOCATIONS**

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



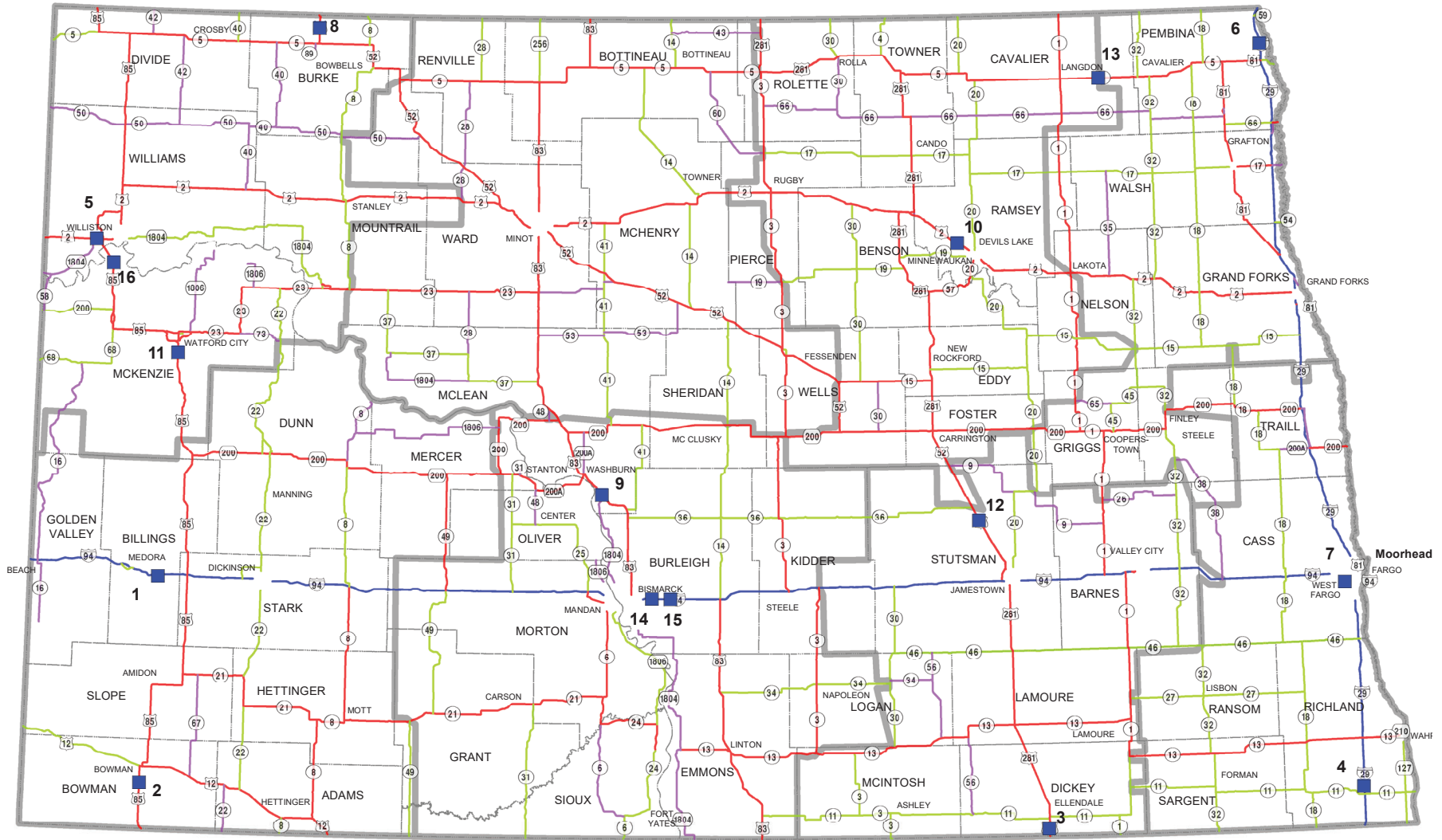
(11)

Station Type	Functional Class	Number of ATR Stations
▲ Class	— Interstate Rural	8 Rural Interstate
● Volume	— Principal Arterial Rural	40 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 2019

File pathway: F:\PLANNING\NREIS\shjeflo\Reports\Annual 2018\ArcMap\ATR Locations_2019.mxd

Weigh - In - Motion Locations



(12)

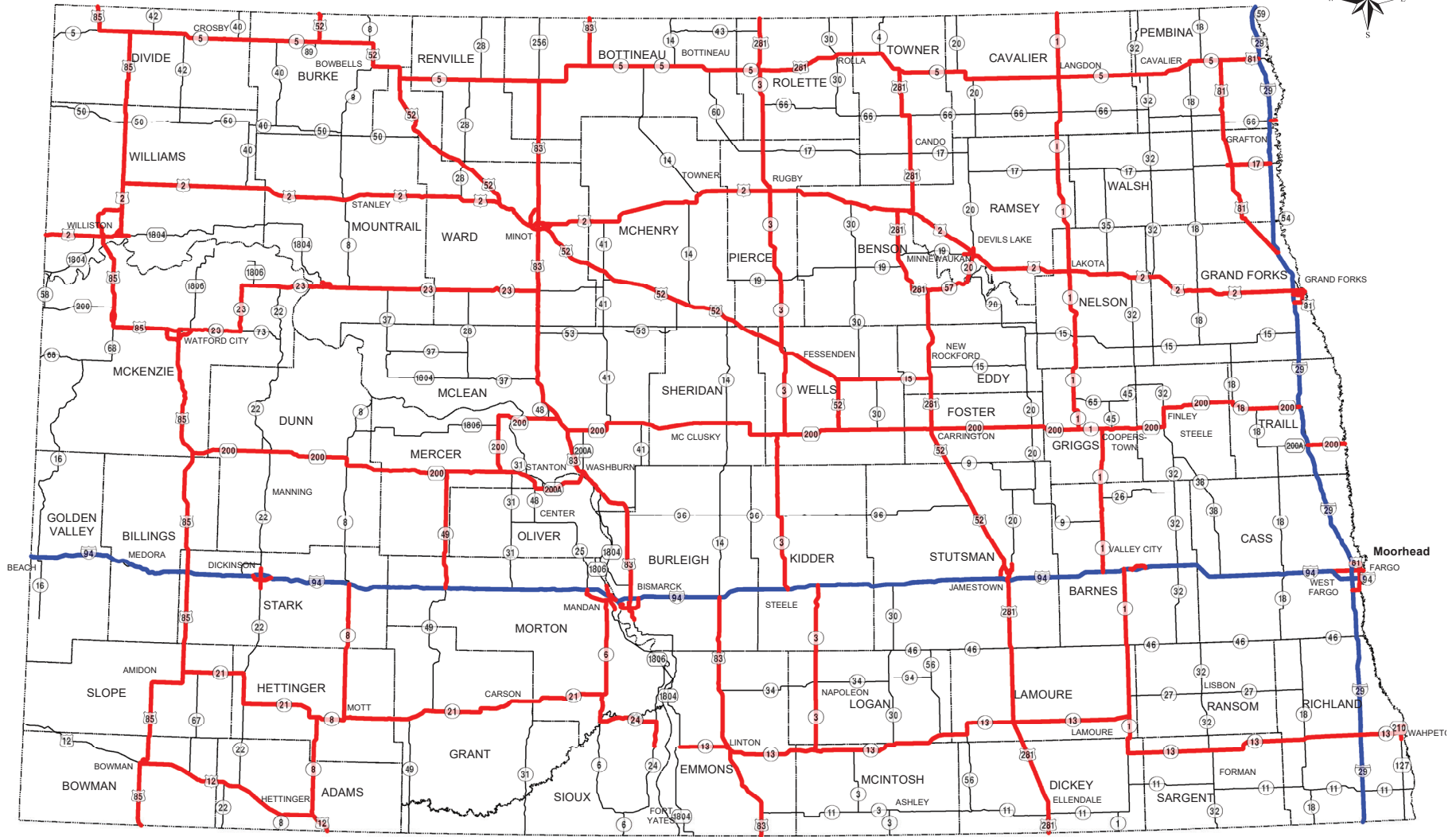
■ WIM Sites

- | | | | |
|---------------|----------------|-------------------|-----------------------|
| 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 2020





File pathway: F:\PLANNING\NREIS\shjeflo\Reports\Annual 2019\ArcMap\WIM Locations 2020.mxd

National Highway System Mileage

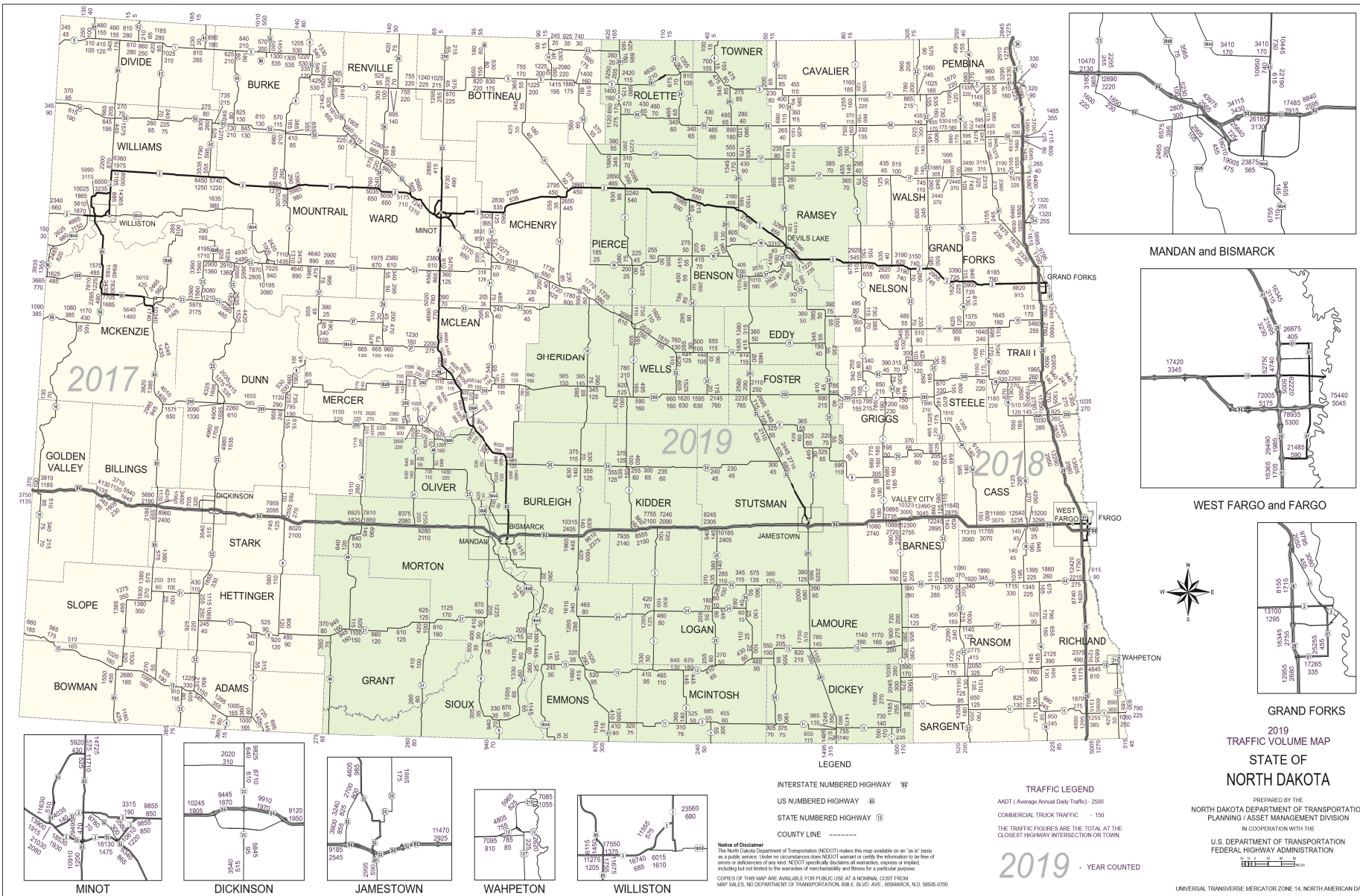


(13)

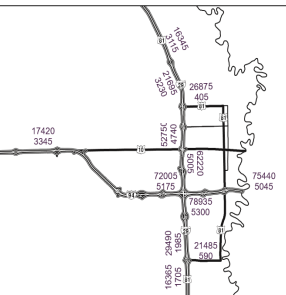
NHS Mileage

 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

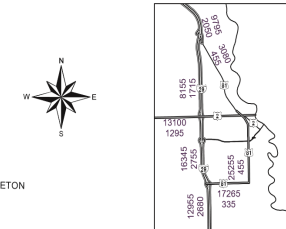
Planning & Asset Management Division
Traffic Data Section
December 2019



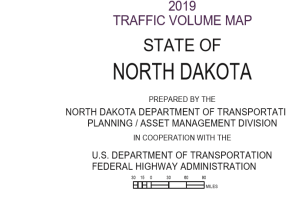
MANDAN and BISMARCK



WEST FARGO and FARGO



GRAND FORKS



2019 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

1:50,000

UNITED STATES TRANSVERSE MERCATOR ZONE 14, NORTH AMERICAN DATUM 83

2019 - YEAR COUNTED

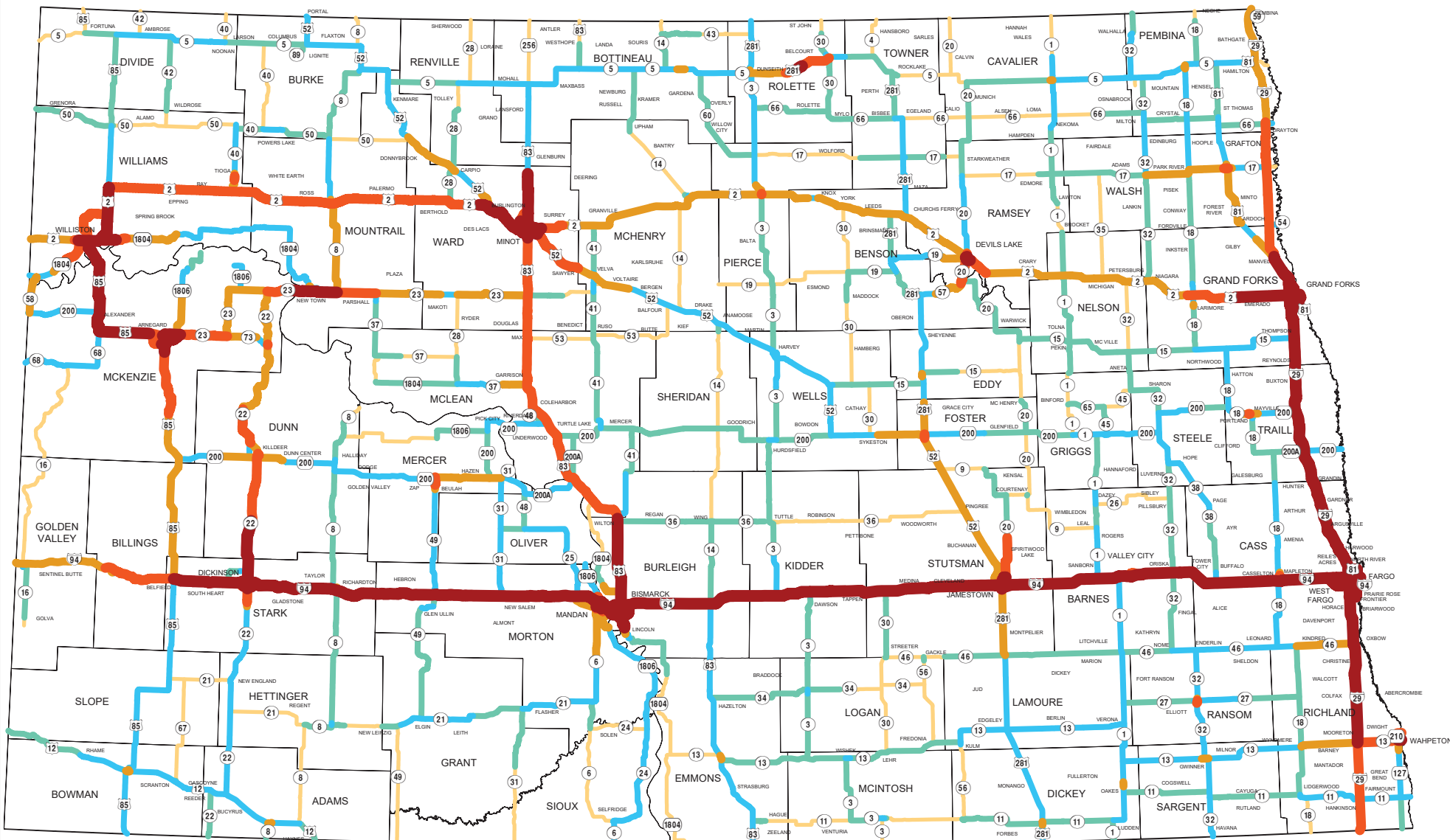
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LEGEND
INTERSTATE NUMBERED HIGHWAY
US NUMBERED HIGHWAY
STATE NUMBERED HIGHWAY
COUNTY LINE

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

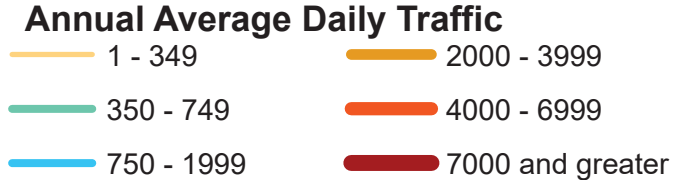
MINOT DICKINSON JAMESTOWN WAHPETON WILLISTON

Annual Average Daily Traffic (2019)



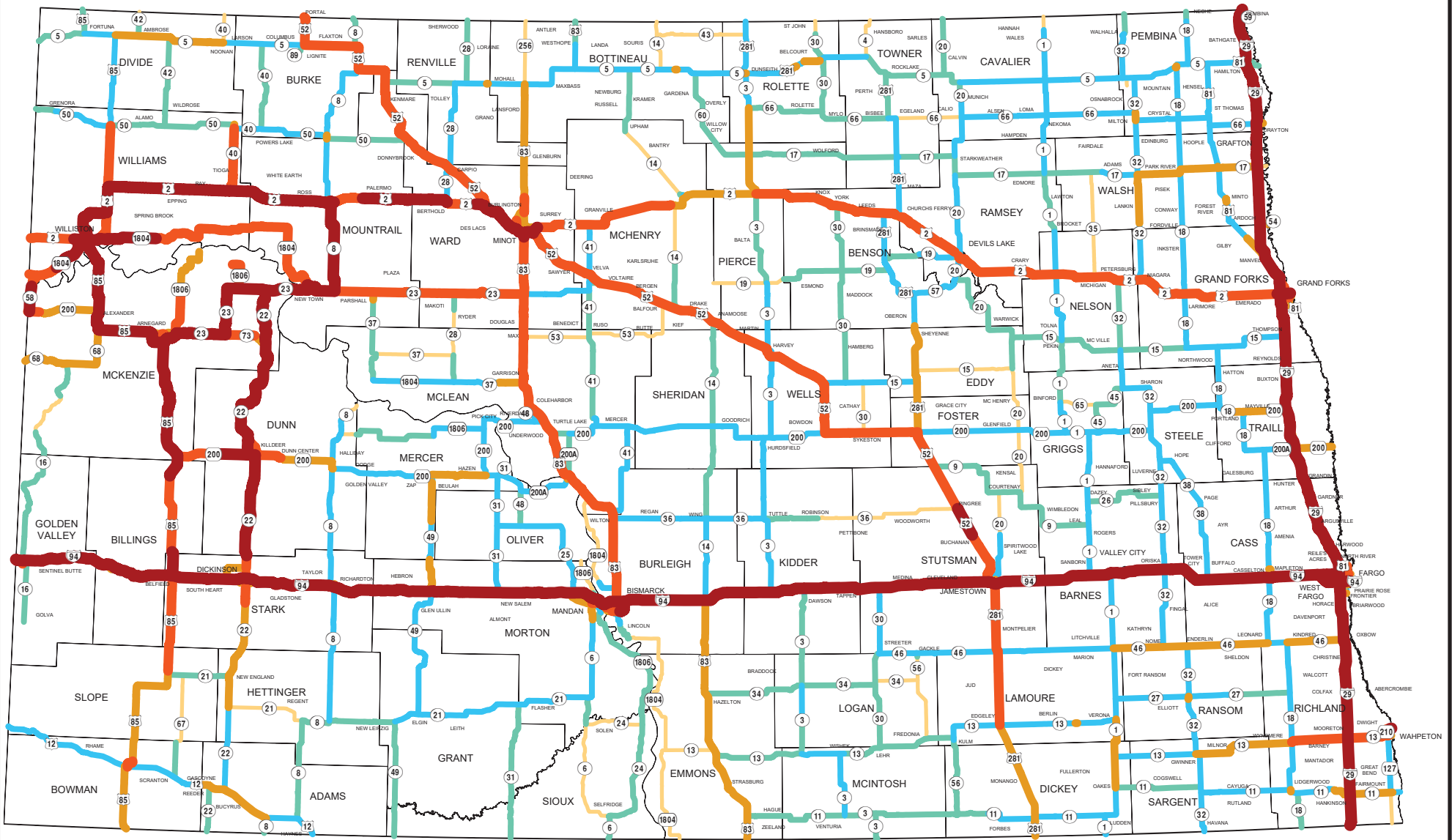
(15)

Notes: - Data from 2019 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).



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 Traffic Data Section
 February 2020

Truck Annual Average Daily Traffic (2019)



Notes: - Data from 2019 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).

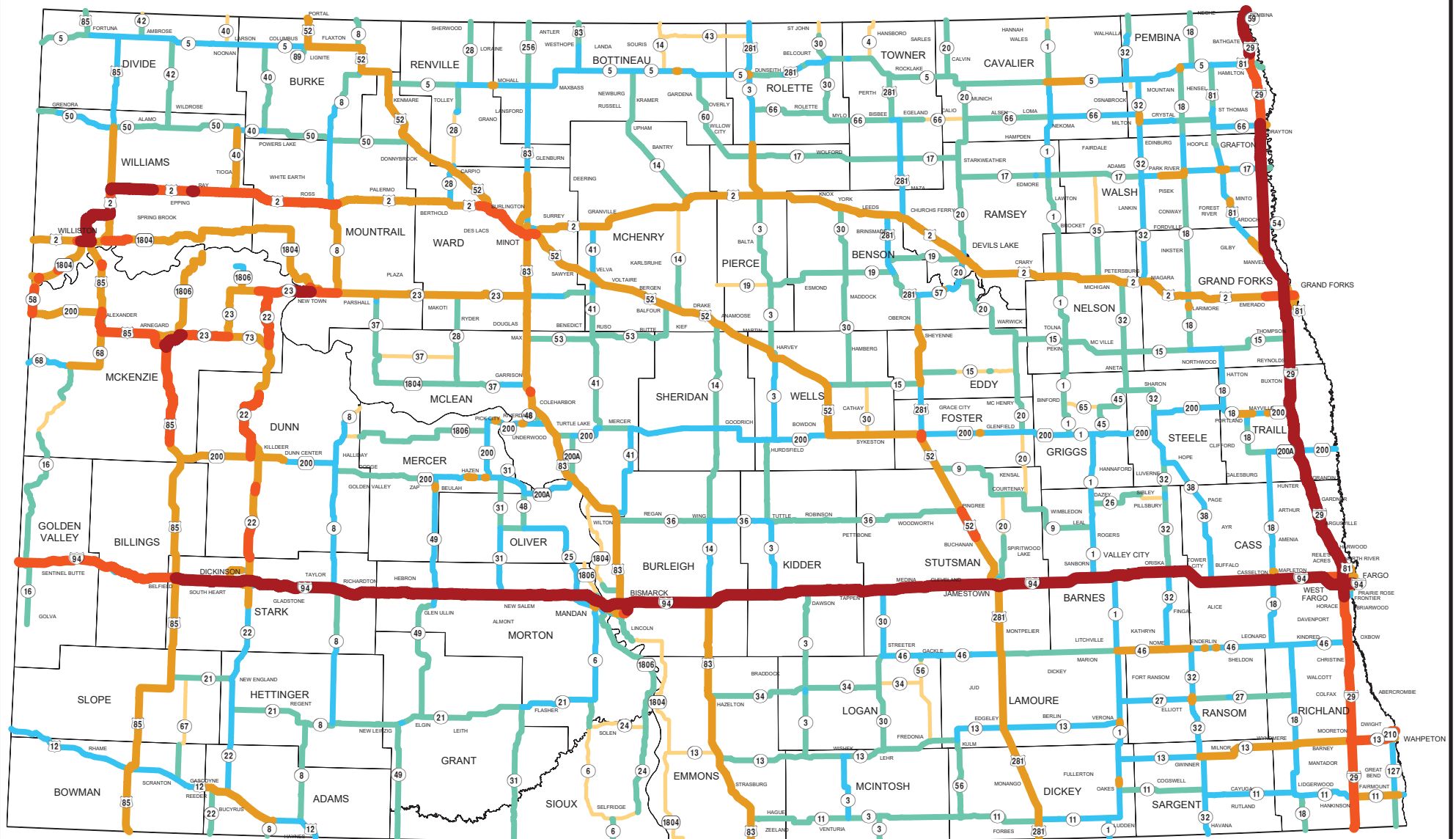
Truck Annual Average Daily Traffic



Planning & Asset Management Division
 Traffic Data Section
 February 2020

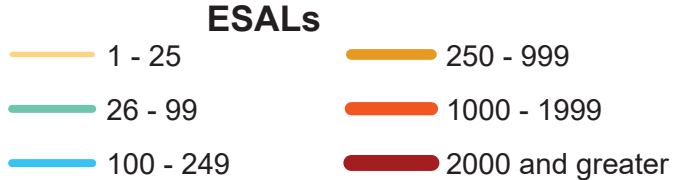


Equivalent Single Axle Loads (ESALs) 2019



(17)

Notes: - Data from 2019 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).

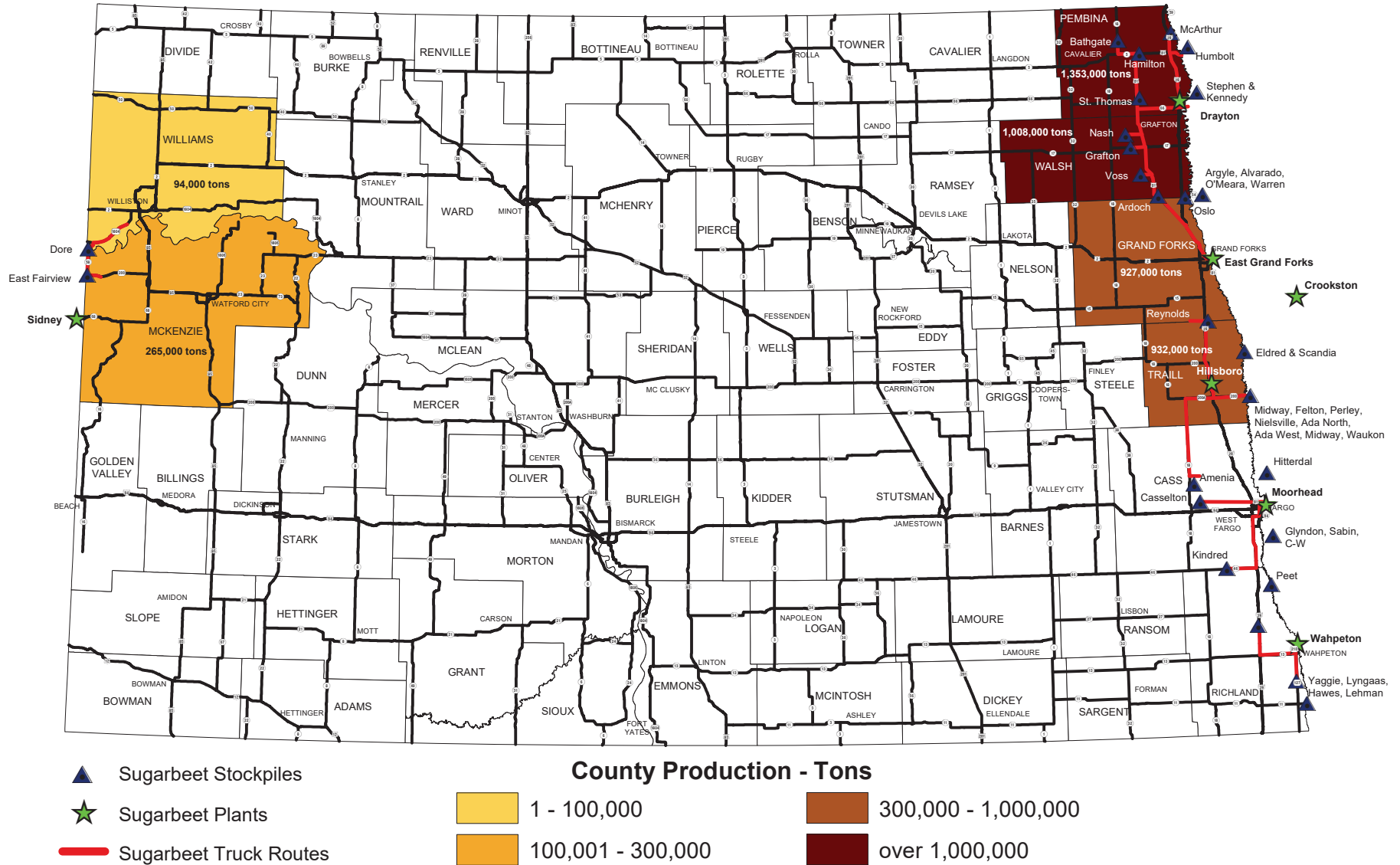


Planning & Asset Management Division
 Traffic Data Section
 April 2020

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 2018 production year because 2019 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 5,731,000 tons.



Planning & Asset Management Division
 Traffic Data Section
 January 2020

PERMANENT STATION COMPARISON OF AADT BY YEAR

STATION NUMBER	LOCATION	1999	2001	2003	2005	2007	2009	2011	2013	2015	2016	2017	2018	2019	% CHANGE 2019/2018	% CHANGE 2019/2009	% CHANGE 2019/1999
URBAN INTERSTATE 94																	
217	FARGO (U)	50450	51514	56852	61012	63051	64436	66026	65677	73191	72116	73505	73886	75438	2.1%	17.1%	49.5%
283	BISMARCK (U)	17704	18584	17590	20144	24770	23589	24611	26937	28891	29629	25986	30006	26186	-12.7%	11.0%	47.9%
	MEAN	34077	35049	37221	40578	43911	44013	45319	46307	51041	50873	49746	51946	50812	-5.3%	14.0%	48.7%
RURAL INTERSTATE 94																	
207	MEDINA	6326	6644	7210	6778	6941	7048	8512	8593	8825	8732	8551	8340	8176	-2.0%	16.0%	29.2%
223	NEW SALEM			5950	6034	6252	6595	7655	8731	9831	8726	8456	8384	8373	-0.1%	27.0%	--
245	TOWER CITY		8030	8974	9146	9440	9948	10940	11671	12132	11985	11829	11659	11306	-3.0%	13.7%	--
279	PAINTED CANYON	3404	3656	3688	3608	4086	3654	4395	4851	5760	3865	4487	4414	4378	-0.8%	19.8%	28.6%
	MEAN	4865	6110	6456	6392	6680	6811	7876	8462	9137	8327	8331	8199	8058	-1.5%	19.1%	28.9%
URBAN INTERSTATE 29																	
235	FARGO (U)			24536	25772	26642	31746	31347	31522	32532	33593	34215	36930	35909	-2.8%	13.1%	--
	MEAN			24536	25772	26642	31746	31347	31522	32532	33593	34215	36930	35909	-2.8%	13.1%	--
RURAL INTERSTATE 29																	
211	BUXTON		9374	10198	10426	10951	10980	11280	11760	12239	12405	12500	12469	12258	-1.7%	11.6%	--
243	BOWESMONT	2920	2974	2896	3074	3662	3442	3582	3759	3332	3248	3338	3293	3162	-4.0%	-8.1%	8.3%
265	MOORETON	5390	5078	5636	5962	6059	6078	6414	6572	7002	7092	7181	6997	6838	-2.3%	12.5%	26.9%
285	DAVENPORT			9670	10254	10221	10447	10778	11118	11567	11888	12377	12389	12341	-0.4%	18.1%	--
	MEAN	4155	5809	7100	7429	7723	7737	8014	8302	8535	8658	8849	8787	8650	-2.1%	8.5%	17.6%
RURAL PRINCIPAL ARTERIAL																	
201	RAY	1580	1660	1656	1748	2115	2963	7236	7863	6980	5103	5205	5327	5917	11.1%	99.7%	274.5%
203	MAX	3460	3420	3562	3530	3653	4107	5200	5402	5345	5026	5035	4876	4693	-3.8%	14.3%	35.6%
205	GWINNER	1108	1076	1124	1266	1200	1066	1193	1096	1227	1176	1178	1212	1155	-4.7%	8.3%	4.2%
215	JAMESTOWN		2694	2778	2702	2859	2992	3346	3543	3636	3518	3512	3439	3339	-2.9%	11.6%	--
219	MANDAN	1534	1460	1498	1490	1488	1546	1565	1620	1799	2332	2142	1753	1751	-0.1%	13.3%	14.1%
221	FAIRFIELD	1354	1420	1418	1468	1754	1820	3604	4747	4183	3235	3262	3504	3448	-1.6%	89.5%	154.7%
229	COOPERSTOWN			902	846	819	924	902	884	872	855	829	813	748	-8.0%	-19.0%	--
233	FOXHOLM	1922	1878	1914	1888	2100	2158	2698	2992	2596	2376	2390	2296	2253	-1.9%	4.4%	17.2%
237	NEKOMA			780	714	886	781	777	822	871	869	878	922	859	-6.8%	10.0%	--
239	NEW TOWN	1480	1588	1630	1618	1726	2680	5820	6896	6542	5123	5836	6362	6820	7.2%	154.5%	360.8%
241	BOTTINEAU	1038	906	1000	978	1007	1145	1159	1296	1352	1313	1302	1230	1226	-0.3%	7.1%	18.1%
251	HAGUE	656	734	734	704	729	782	747	985	912	1000	865	832	868	4.3%	11.0%	32.3%
253	RUGBY			2600	2556	2510	2666	2922	3140	3145	3026	2961	2877	2854	-0.8%	7.1%	--
255	CROSBY		528	558	540	581	632	1212	1744	1337	994	872	837	861	2.9%	36.2%	--
257	WILLISTON			1192	1204	1265	1206	2586	2991	2478	1875	2140	2435	2338	-4.0%	93.9%	--
261	CARRINGTON						1661	1735	1805	1798	1946	1846	1774	1676	-5.5%	0.9%	--
271	GOLDEN VALLEY			660	690	713	784	1286	1422	1230	1243	1173	1185	1150	-3.0%	46.7%	--
273	NEW LEIPZIG		382	366	352	335	346	360	376	407	381	365	359	367	2.2%	6.1%	--
281	SAWYER		3566	3754	3890	4004	4112	4825	5224	5040	4839	4738	4729	4651	-1.6%	13.1%	--
297	WILLISTON_NW								1514	1936	2924	3907	4553	5501	20.8%	--	--
299	KILLDEER200W												1873	1989	6.2%	--	--
303	MICHIGAN	3634	3476	3522	3436	3384	3612	4027	4265	4719	4127	4053	3919	3794	-3.2%	5.0%	4.4%
307	WASHBURN		3790	3912	4016	4363	5146	5767	6050	6069	5806	5708	5519	5569	0.9%	8.2%	--
309	NEWTOWN_EAST									5331	3991	4398	4414	4638	5.1%	--	--
311	WILLISTON_2N								12090	11018	7868	8550	9132	10004	9.5%	--	--
315	RYDER_E23__											2030	2172	2382	9.7%	--	--
337	BLAISDELL_E2										5007	4589	4619	4837	4.7%	--	--
339	GRASSY_BUTTE									4402	3217	3350	3727	3818	2.4%	--	--
341	ALEXANDER85W									8888	6467	6172	6579	7202	9.5%	--	--
343	WATFORD_E23__										5031	5518	6016	5976	-0.7%	--	--
345	WILLIAMS_N85											2038	2240	2199	-1.8%	--	--
349	BEULAH_S49__											1420	1444	1459	1.0%	--	--
351	COLUMBUS_W5										643	592	545	550	0.9%	--	--
353	GRANVILLE_E2												2783	2795	0.4%	--	--
355	MOHALL_W5___												761	754	-0.9%	--	--
419	EMERADO_W2									6788	6721	6792	6516	6187	-5.0%	--	--

PERMANENT STATION COMPARISON OF AADT BY YEAR

STATION NUMBER	LOCATION	1999	2001	2003	2005	2007	2009	2011	2013	2015	2016	2017	2018	2019	% CHANGE 2019/2018	% CHANGE 2019/2009	% CHANGE 2019/1999
RURAL PRINCIPAL ARTERIAL																	
423	HARVEY_N3__									672	654	621	617	602	-2.4%	--	--
429	LAKOTA_S1__									608	602	598	594	582	-2.0%	--	--
447	DUNSEITH_E__									2605	2604	2602	2575	2715	5.4%	--	--
449	SHEYENNE_N__										1218	1145	1131	1016	-10.2%	--	--
	MEAN	1777	1905	1778	1782	1875	2054	2808	3425	3493	3033	2990	2962	3039	0.8%	29.6%	91.6%
RURAL MINOR ARTERIAL																	
231	GRAFTON		2550	2654	2670	2469	2541	2507	2523	2561	2538	2461	2452	2447	-0.2%	-3.7%	--
247	COURTENAY		502	476	470	456	463	485	457	473	490	446	476	444	-6.7%	-4.1%	--
249	GARRISON	1180	1180	1208	1168	1177	1254	1473	1702	1812	1815	1670	1636	1600	-2.2%	27.6%	35.6%
275	HANNOVER	568	526	504	502	530	603	604	649	746	1091	916	692	643	-7.1%	6.6%	13.2%
289	MANNING			1632	1604	1901	2591	4178	5719	5540	4417	4588	5093	5170	1.5%	99.5%	--
291	MARMARTH								803	793	698	633	650	657	1.1%	--	--
293	KILLDEER								3861	4231	2989	3612	4283	4326	1.0%	--	--
295	NECHE								449	426	404	402	394	316	-19.8%	--	--
373	DICKINSON22S										2046	1669	1654	1821	10.1%	--	--
453	OAKES_S1____											1211	1253	1183	-5.6%	--	--
461	THOMPSON_W15									1587	1597	1600	1555	1559	0.3%	--	--
727	ENDERLIN_E46									1893	1826	1875	1984	1944	-2.0%	--	--
759	WILTON_E36__									576	585	578	565	554	-1.9%	--	--
	MEAN	874	1190	1295	1283	1307	1490	1849	2020	1876	1708	1666	1745	1743	-2.4%	25.2%	24.4%
RURAL MAJOR COLLECTOR - STATE																	
267	TRENTON						2530	4526	5183	5067	4059	3620	4278	4697	9.8%	85.7%	--
493	ST_THOMAS_W_									644	601	604	612	592	-3.3%	--	--
783	KULM_S56____									163	196	169	190	280	47.4%	--	--
	MEAN						2530	4526	5183	1958	1619	1464	1693	1856	18.0%	85.7%	--
RURAL MAJOR COLLECTOR - COUNTY																	
101	MINOT55ST_NE									2655	2557	2634	2732	2602	-4.8%	--	--
103	MINOT46AV_NE									1124	1104	1084	1207	1247	3.3%	--	--
225	STERLING			520	484	558	582	587	656	834	865	867	814	869	6.8%	49.3%	--
259	AYR	324	364	372	360	350	363	343	329	341	351	352	359	353	-1.7%	-2.8%	9.0%
277	REGENT	288	318	294	298	309	317	325	343	362	339	310	297	310	4.4%	-2.2%	7.6%
	MEAN	306	341	395	381	406	421	418	443	1063	1043	1049	1082	1076	1.6%	14.8%	8.3%
URBAN PRINCIPAL ARTERIAL																	
287	GRAND FORKS			19270	19248	19947	19719	20413	21396	21197	23090	22837	22174	22186	0.1%	12.5%	--
501	FARGO (U)	23578	25762	25892	26264	24533	25283	24421	24073	25518	25990	26353	22640	23971	5.9%	-5.2%	1.7%
503	BISMARCK (U)								12859	14093	14061	13876	13374	13505	1.0%	--	--
513	WFARGO_MAIN_ (U)										6159	6874	6764	6633	-1.9%	--	--
601	BISMARCK (U)	13037	12475	11855	11828	12174	11605								--	--	--
603	WILLISTON (U)	4024	4042	4160	4316	4623	5108	9070	10990	9594	7351	6662	7193	7580	5.4%	48.4%	88.4%
605	MANDAN (U)			20152	20240	20530	19813	19749	20891	20615	21326	19203	18934	18164	-4.1%	-8.3%	--
	MEAN	13546	14093	16266	16379	16361	16306	18413	18042	18203	16330	15968	15180	15340	1.0%	11.8%	45.0%
URBAN MINOR ARTERIAL																	
607	DICKINSON (U)	3160	3152	3034	3090	2967	2925	3142	3329	3297	3473	3234	2907	2804	-3.5%	-4.1%	-11.3%
611	MINOT (U)	2994	2974	2638	2626	2340	2736	3426	2974	2770	2838	2559	2571	2515	-2.2%	-8.1%	-16.0%
	MEAN	3077	3063	2836	2858	2654	2831	3284	3152	3034	3156	2897	2739	2660	-2.9%	-6.1%	-13.6%
URBAN COLLECTOR & LOCAL URBAN																	
609	MINOT (U)	1912	2068	2342	2328	2191	2358	2782	2802	2924	2837	2643	2545	2573	1.1%	9.1%	34.6%
	MEAN	1912	2068	2342	2328	2191	2358	2782	2802	2924	2837	2643	2545	2573	1.1%	9.1%	34.6%

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	1999	2001	2003	2005	2007	2009	2011	2013	2015	2016	2017	2018	2019	% CHANGE 2019/2018	% CHANGE 2019/2009	% CHANGE 2019/1999
URBAN INTERSTATE																	
217	FARGO (U)	3796	4140	4436	4988	4774	4625	4907	5100	5476	5079	5022	5040	5076	0.7%	9.8%	33.7%
235	FARGO (U)			2614	2720	2960	2994	3467	3305	3452	3685	3585	3775	3629	-3.9%	21.2%	--
283	BISMARCK (U)	1812	1708	1878	2162	2663	2006	2297	2831	2918	2474	2445	2747	3111	13.3%	55.1%	71.7%
	MEAN	2804	2924	2976	3290	3466	3208	3557	3745	3949	3746	3684	3854	3939	3.4%	28.7%	52.7%
RURAL INTERSTATE																	
207	MEDINA	1448	1586	1578	1646	1756	1674	2052	2132	2136	2271	2355	2334	2295	-1.7%	37.1%	58.5%
211	BUXTON		2136	2374	2516	2832	2378	2755	2998	2949	2834	2591	2578	2606	1.1%	9.6%	--
223	NEW SALEM			1162	1290	1462	1439	1728	1903	2127	2203	2170	2156	2207	2.4%	53.4%	--
243	BOWESMONT	1044	1164	1176	1156	1411	1170	1288	1270	1286	1272	1322	1306	1256	-3.8%	7.4%	20.3%
245	TOWER CITY			1796	1974	2156	2144	2549	2759	2944	2856	2899	3049	2851	-6.5%	33.0%	--
265	MOORETON	836	716	854	976	1061	1027	1112	1268	1244	1182	1227	1282	1211	-5.5%	17.9%	44.9%
279	PAINTED CANYON	654	1006	1040	1036	1405	1097	1351	1711	1632	1391	1552	1552	1533	-1.2%	39.7%	134.4%
285	DAVENPORT			1136	1252	1313	1243	1357	1541	1583	1661	1734	1792	1758	-1.9%	41.4%	--
	MEAN	996	1322	1390	1481	1675	1522	1774	1948	1988	1959	1981	2006	1965	-2.2%	29.9%	64.5%
RURAL PRINCIPAL ARTERIAL																	
201	RAY	260	286	256	310	466	783	2698	2818	2342	1398	1578	1729	1955	13.1%	149.7%	651.9%
203	MAX	492	548	558	512	559	691	925	1026	840	695	716	1102	1060	-3.8%	53.4%	115.4%
205	GWINNER		150	154	148	132	105	131	117	156	168	177	183	176	-3.8%	67.6%	--
215	JAMESTOWN		446	474	558	682	689	851	957	1052	765	982	974	926	-4.9%	34.4%	--
219	MANDAN	166	140	148	142	138	147	143	187	201	237	230	209	232	11.0%	57.8%	39.8%
221	FAIRFIELD	280	272	270	294	475	505	1100	1455	1354	951	968	1086	1057	-2.7%	109.3%	277.5%
229	COOPERSTOWN											182	186	167	-10.2%	--	--
233	FOXHOLM	420	390	438	440	531	518	689	755	585	526	608	628	658	4.8%	27.0%	56.7%
237	NEKOMA			130	116	150	102	144	138	159	145	155	144	149	3.5%	46.1%	--
239	NEW TOWN	140	132		140	230	678	2458	2958	2607	1619	2058	2394	2710	13.2%	299.7%	1835.7%
241	BOTTINEAU	152	176	126	118	142	151	160	184	205	193	224	198	201	1.5%	33.1%	32.2%
251	HAGUE								316	330	345	296	285	305	7.0%	--	--
253	RUGBY			432	418	426	364	466	496	496	486	480	431	470	9.0%	29.1%	--
255	CROSBY		146	128	96	130	149	432	795	543	381	293	256	256	0.0%	71.8%	--
257	WILLISTON			130	158	175	146	657	941	596	364	552	647	663	2.5%	354.1%	--
261	CARRINGTON						249	275	306	282	314	272	259	253	-2.3%	1.6%	--
271	GOLDEN VALLEY					75	95	276	427	285	241	212	226	218	-3.5%	129.5%	--
273	NEW LEIPZIG		76	66	44	45	54	51	62	62	71	68	74	79	6.8%	46.3%	--
281	SAWYER		376	412	486	538	582	838	1021	782	893	945	949	911	-4.0%	56.5%	--
297	WILLISTON_NW								877	1016	1632	2292	2649	3017	13.9%	--	--
299	KILLDEER200W												1037	1080	4.1%	--	--
303	MICHIGAN	630	580	570	538	529	535	619	617	684	631	713	738	654	-11.4%	22.2%	3.8%
307	WASHBURN		586	548	548	622	698	907	987	1024	929	918	906	936	3.3%	34.1%	--
309	NEWTOWN_EAST									1334	712	895	834	903	8.3%	--	--
311	WILLISTON_2N								5068	4130	2815	2118	3340	3680	10.2%	--	--
315	RYDER_E23__											486	563	613	8.9%	--	--
337	BLAISDELL_E2										1259	1211	1234	1324	7.3%	--	--
339	GRASSY_BUTTE									1694	1145	1204	1333	1385	3.9%	--	--
341	ALEXANDER85W									4528	3120	2981	3137	3306	5.4%	--	--
343	WATFORD_E23_										2363	2792	3142	3201	1.9%	--	--
345	WILLIAMS_N85											791	943	871	-7.6%	--	--
349	BEULAH_S49__											259	244	259	6.1%	--	--
351	COLUMBUS_W5										221	192	167	168	0.6%	--	--
353	GRANVILLE_E2												534	536	0.4%	--	--
355	MOHALL_W5__												216	225	4.2%	--	--
419	EMERADO_W2									1007	933	920	906	791	-12.7%	--	--
423	HARVEY_N3__									104	100	107	102	107	4.9%	--	--
429	LAKOTA_S1__									117	120	115	112	108	-3.6%	--	--
447	DUNSEITH_E__									162	139	117	110	119	8.2%	--	--
449	SHEYENNE_N__											234	198	229	182	-20.5%	--
	MEAN	318	307	303	298	336	381	727	1023	989	792	792	861	898	1.8%	85.4%	376.6%

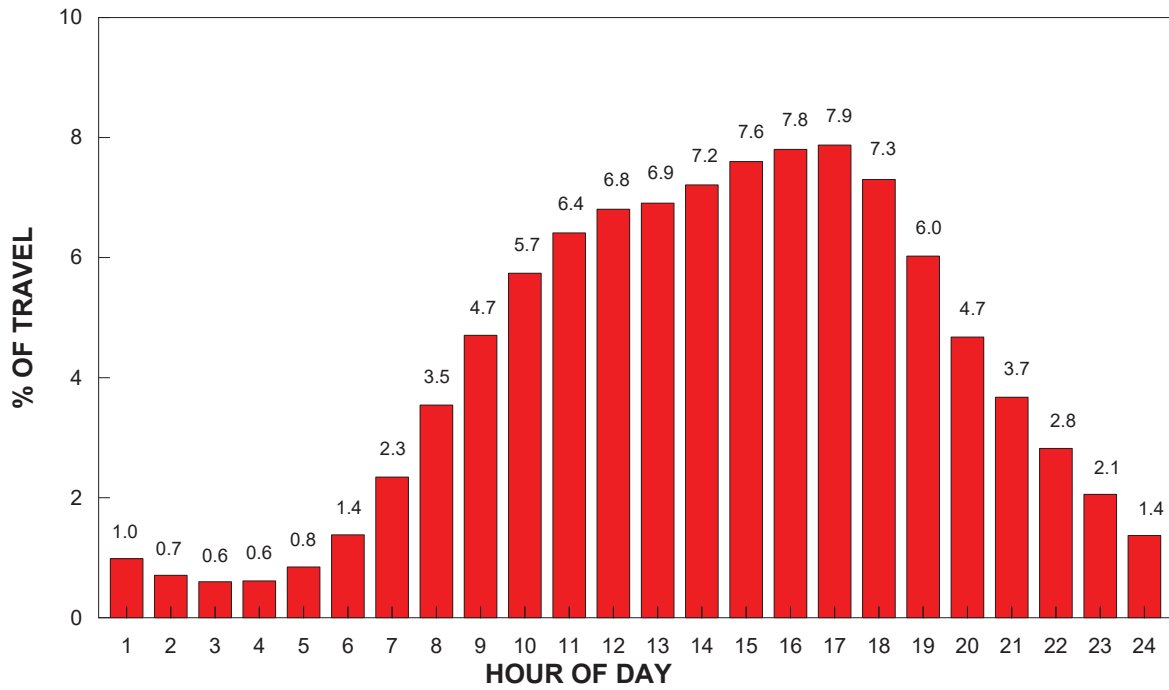
PERMANENT STATION COMPARISON OF TRUCK AADT BY YEAR

STATION NUMBER	LOCATION	1999	2001	2003	2005	2007	2009	2011	2013	2015	2016	2017	2018	2019	% CHANGE 2019/2018	% CHANGE 2019/2009	% CHANGE 2019/1999
RURAL MINOR ARTERIAL																	
231	GRAFTON		228	232	274	228	243	237	225	266	286	277	290	290	0.0%	19.3%	--
247	COURTENAY		48	36	40	35	34	44	40	39	45	34	31	32	3.2%	-5.9%	--
249	GARRISON	122	104	104	104	113	134	158	222	267	177	174	187	178	-4.8%	32.8%	45.9%
275	HANNOVER	74	60	62	66	58	78	89	111	109	152	116	88	94	6.8%	20.5%	27.0%
289	MANNING			144	132	283	539	1281	1937	1706	1125	1309	1548	1591	2.8%	195.2%	--
291	MARMARTH								211	194	157	171	197	187	-5.1%	--	--
293	KILLDEER								1766	1800	1038	1516	1881	1704	-9.4%	--	--
295	NECHE								116	84	90	120	126	125	-0.8%	--	--
373	DICKINSON22S										404	308	306	330	7.8%	--	--
453	OAKES_S1____											283	302	256	-15.2%	--	--
461	THOMPSON_W15									192	183	184	185	179	-3.2%	--	--
727	ENDERLIN_E46									318	322	351	351	346	-1.4%	--	--
759	WILTON_E36__									126	133	125	119	124	4.2%	--	--
	MEAN	98	110	116	123	143	206	362	579	464	343	382	432	418	-1.2%	52.4%	36.5%
RURAL MAJOR COLLECTOR - STATE																	
267	TRENTON						369	1284	1501	1310	834	675	1031	1160	12.5%	214.4%	--
493	ST_THOMAS_W_									208	188	192	184	146	-20.7%	--	--
783	KULM_S56____									36	47	39	40	67	67.5%	--	--
	MEAN						369	1284	1501	518	356	302	418	458	19.8%	214.4%	--
RURAL MAJOR COLLECTOR - COUNTY																	
101	MINOT55ST_NE									587	472	437	420	391	-6.9%	--	--
103	MINOT46AV_NE									231	194	182	178	222	24.7%	--	--
225	STERLING				40	54	63	80	70	115	142	141	141	160	13.5%	154.0%	--
	MEAN				40	54	63	80	70	311	269	253	246	258	10.4%	154.0%	--
URBAN PRINCIPAL ARTERIAL																	
287	GRAND FORKS									420	438	421	418	411	-1.7%	--	--
503	BISMARCK (U)								1706	1832	1768	1748	1613	1679	4.1%	--	--
513	WFARGO_MAIN_(U)										1084	1205	1115	1143	2.5%	--	--
	MEAN								1706	1126	1097	1125	1049	1078	1.6%	--	--

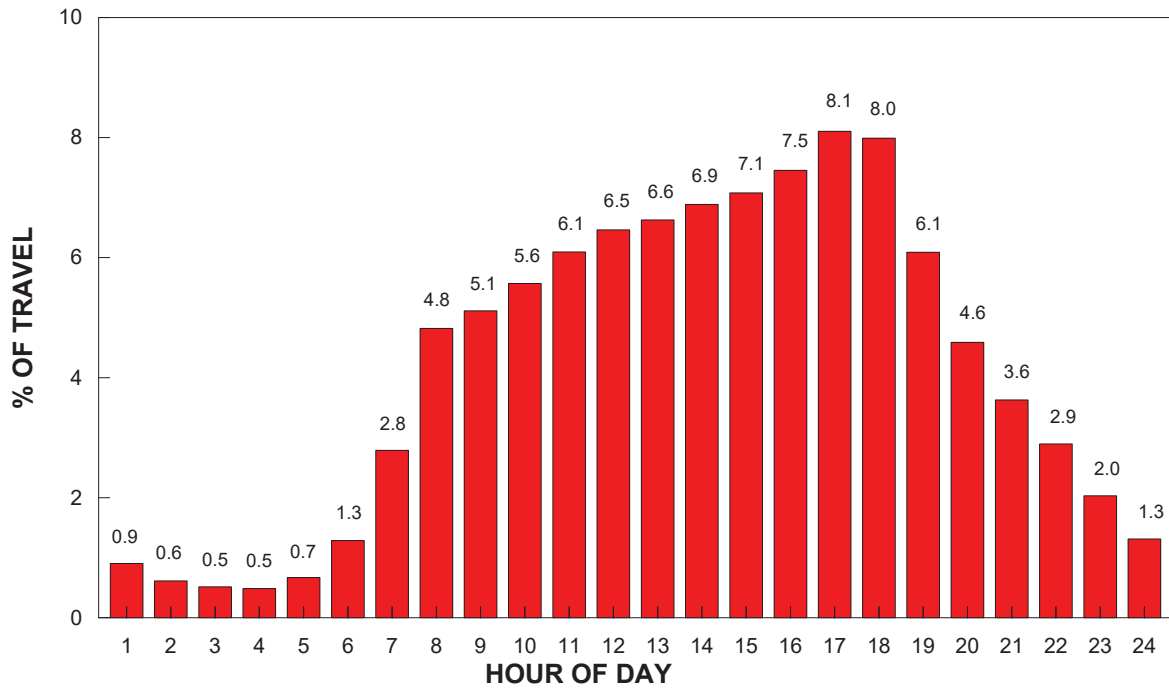
Missing data is the result of years when a recording station was out of service.

HOURLY DISTRIBUTION OF TRAVEL

RURAL INTERSTATE 94

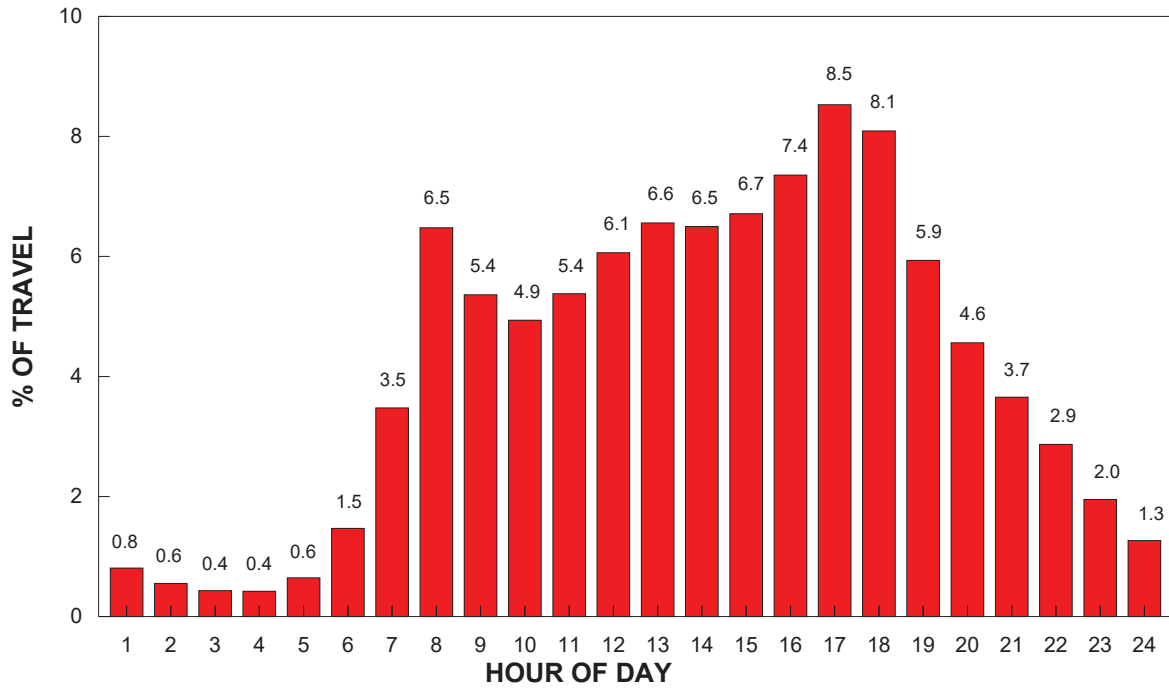


RURAL INTERSTATE 29

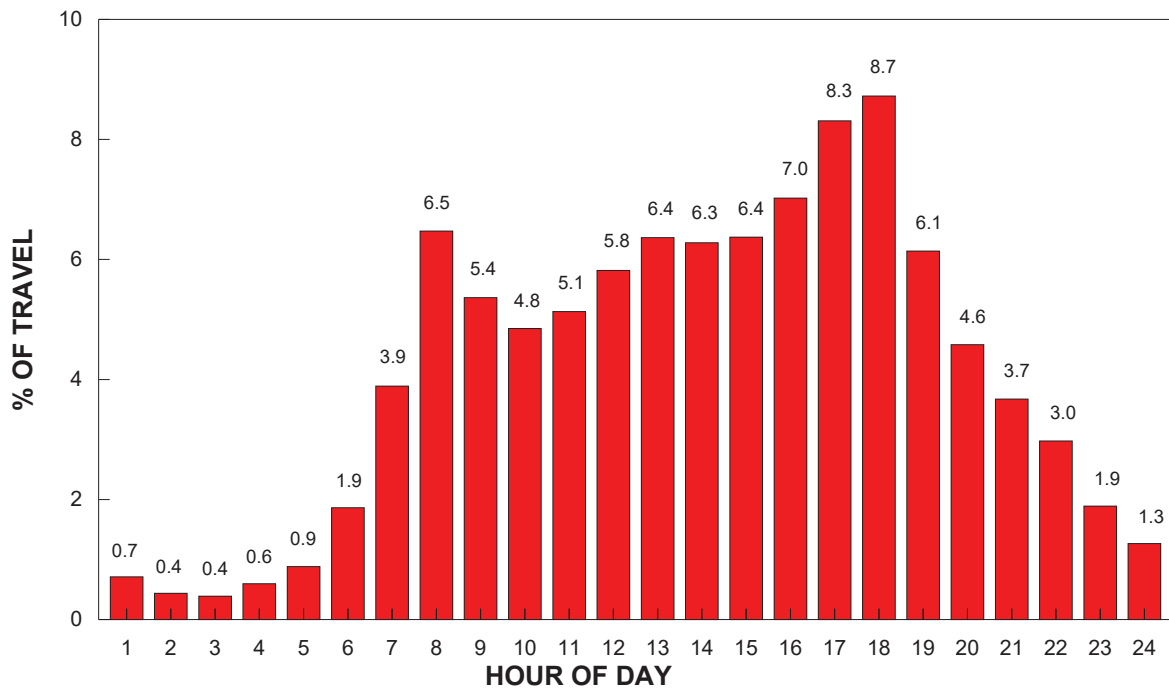


HOURLY DISTRIBUTION OF TRAVEL

URBAN INTERSTATE 94

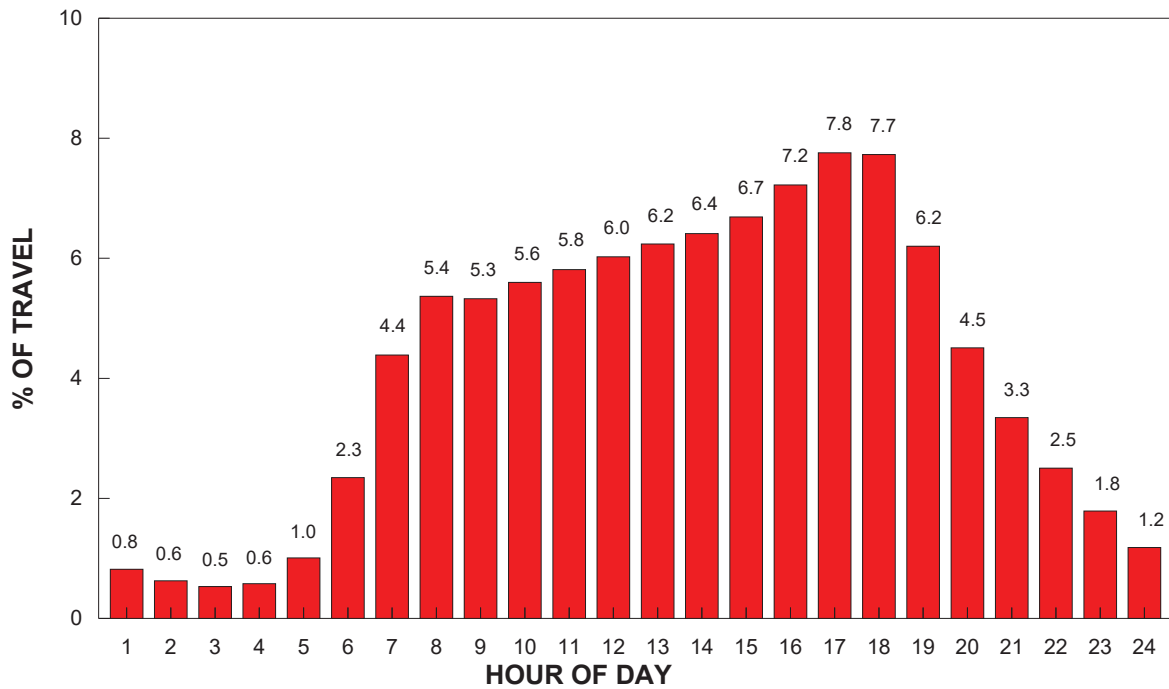


URBAN INTERSTATE 29

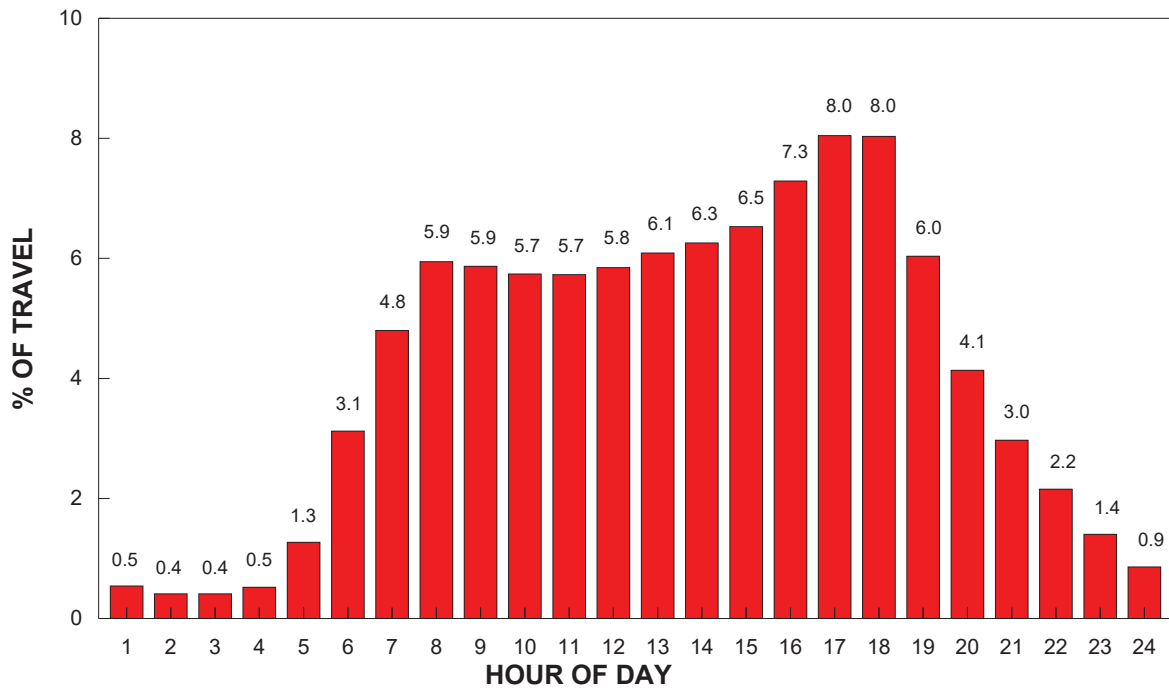


HOURLY DISTRIBUTION OF TRAVEL

RURAL PRINCIPAL ARTERIAL

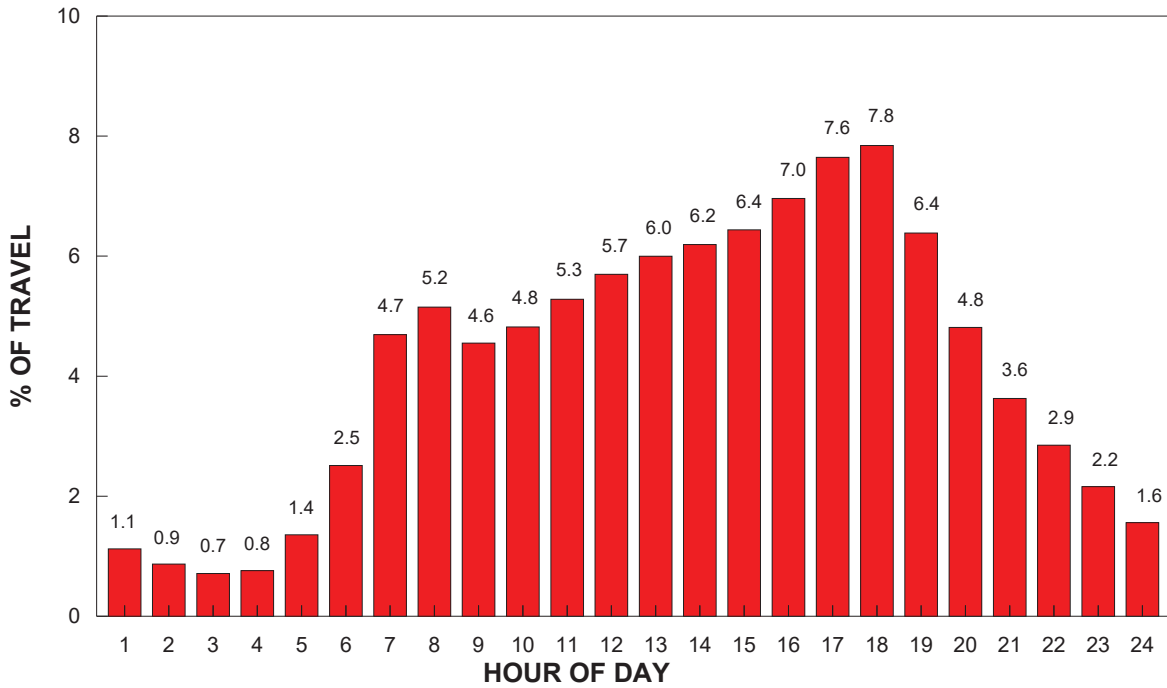


RURAL MINOR ARTERIAL

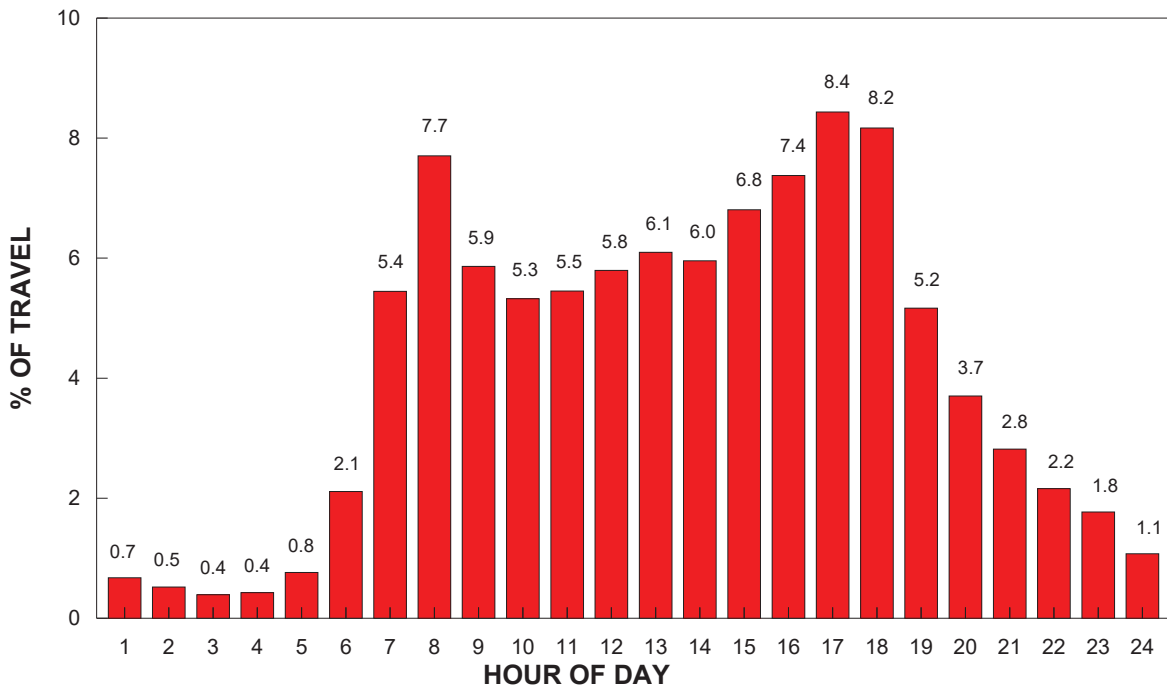


HOURLY DISTRIBUTION OF TRAVEL

RURAL MAJOR COLLECTOR - STATE

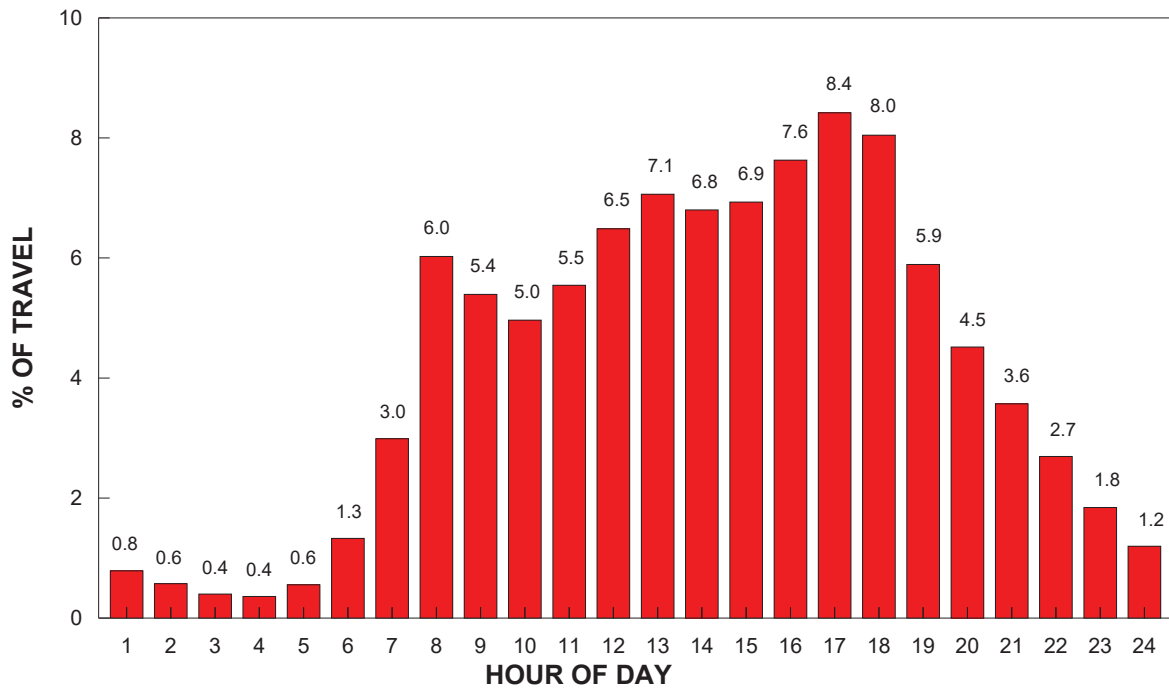


RURAL MAJOR COLLECTOR - COUNTY

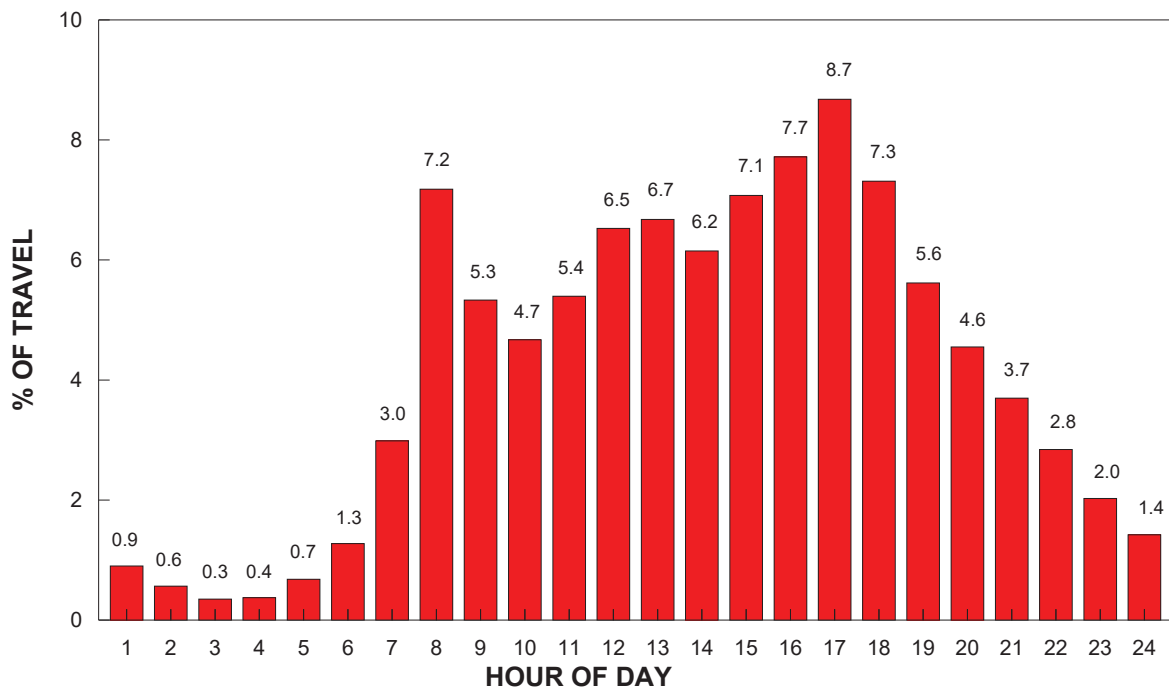


HOURLY DISTRIBUTION OF TRAVEL

URBAN PRINCIPAL ARTERIAL

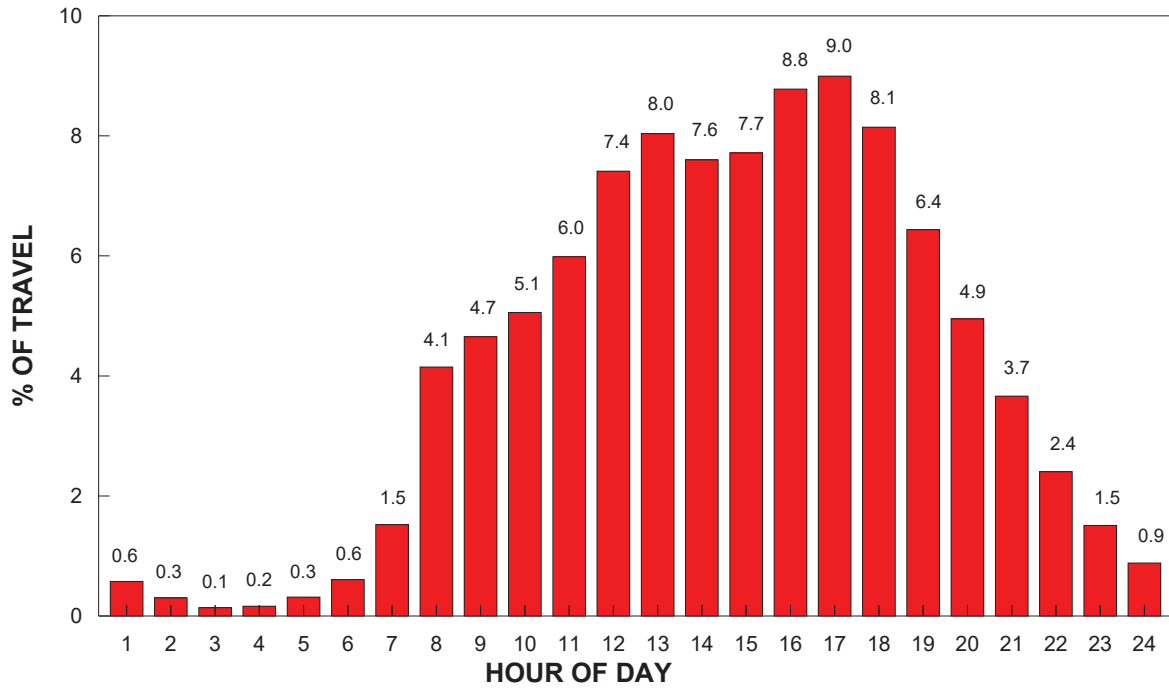


URBAN MINOR ARTERIAL

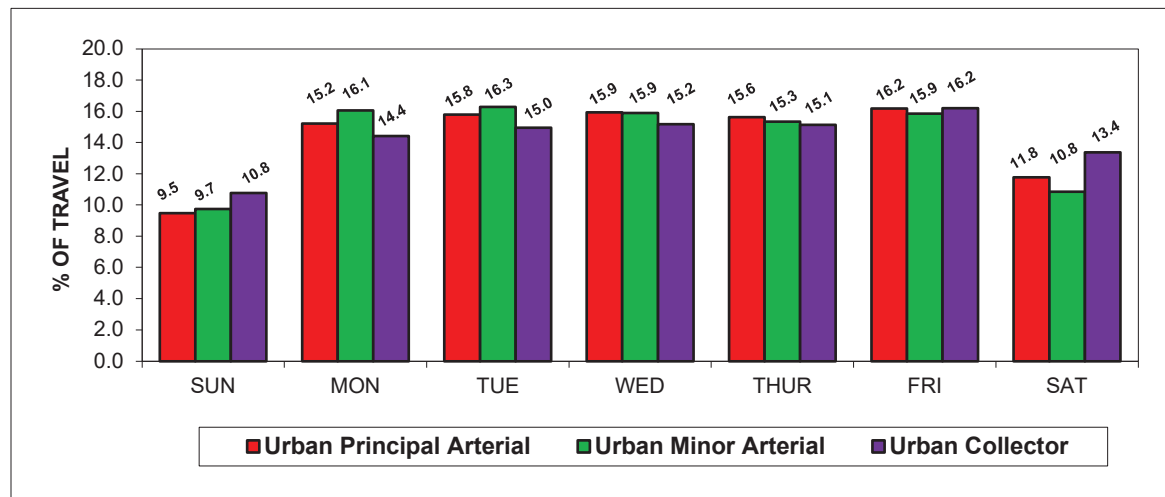
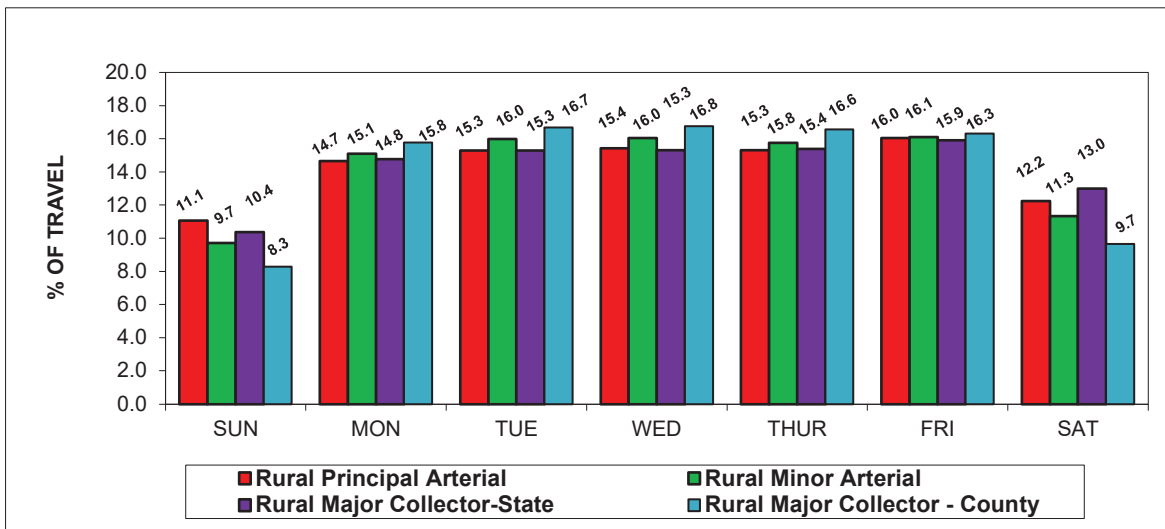
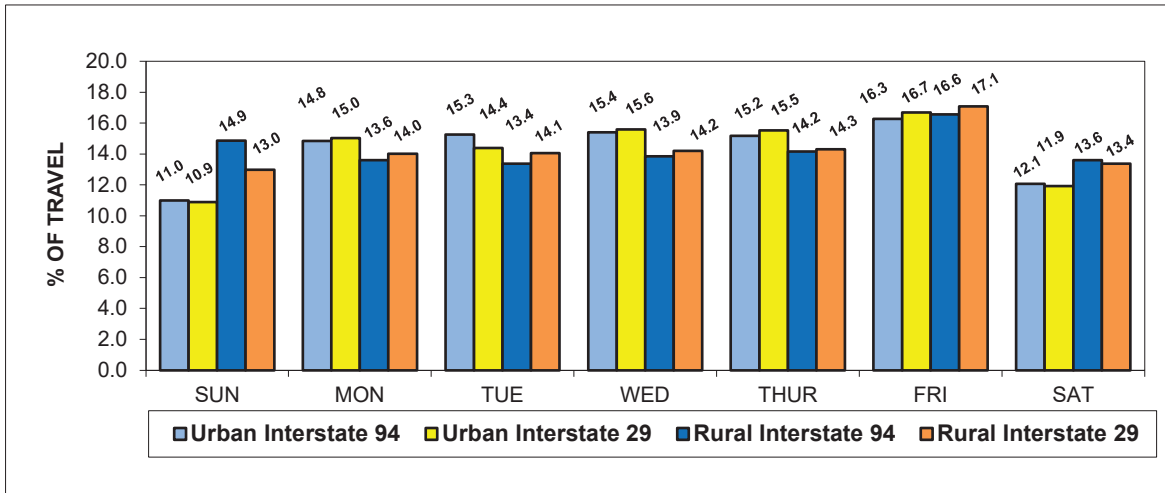


HOURLY DISTRIBUTION OF TRAVEL

URBAN COLLECTOR

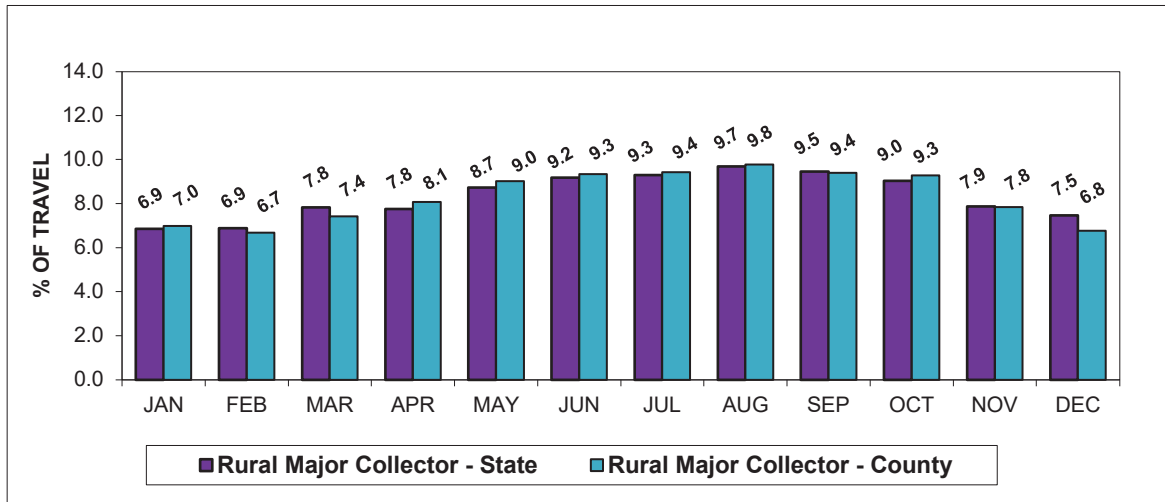
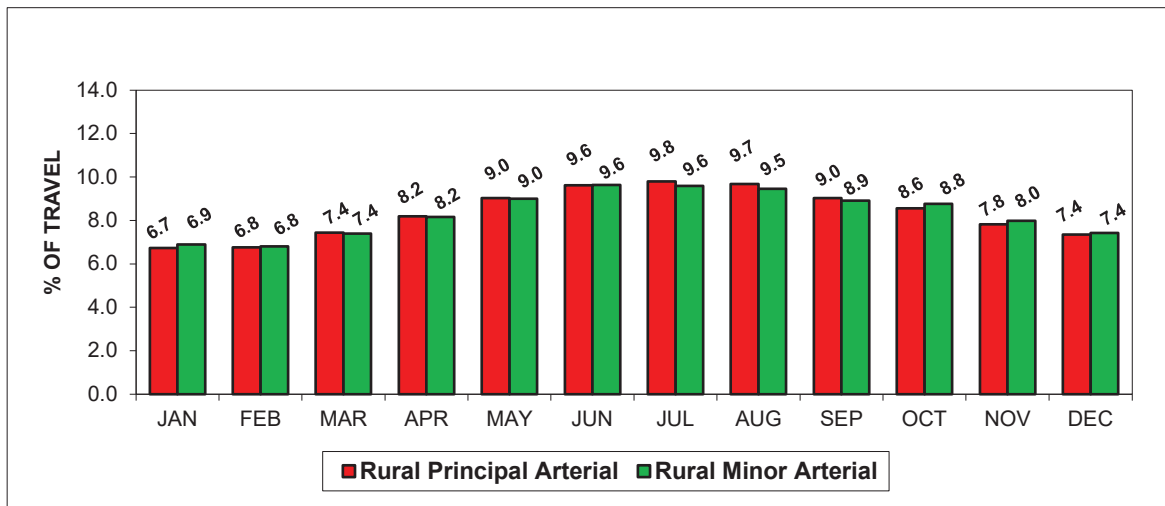
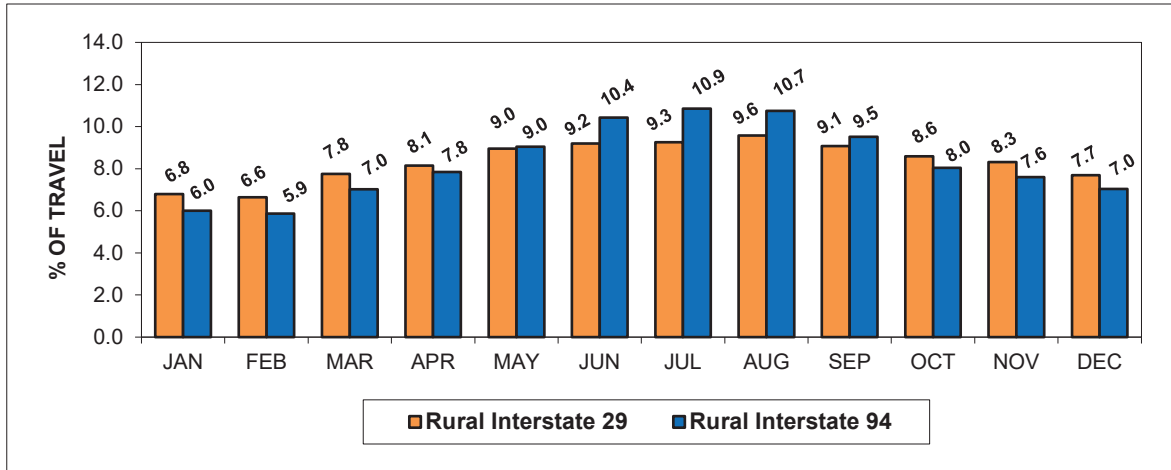


DAILY DISTRIBUTION OF TRAVEL TOTAL VEHICLES



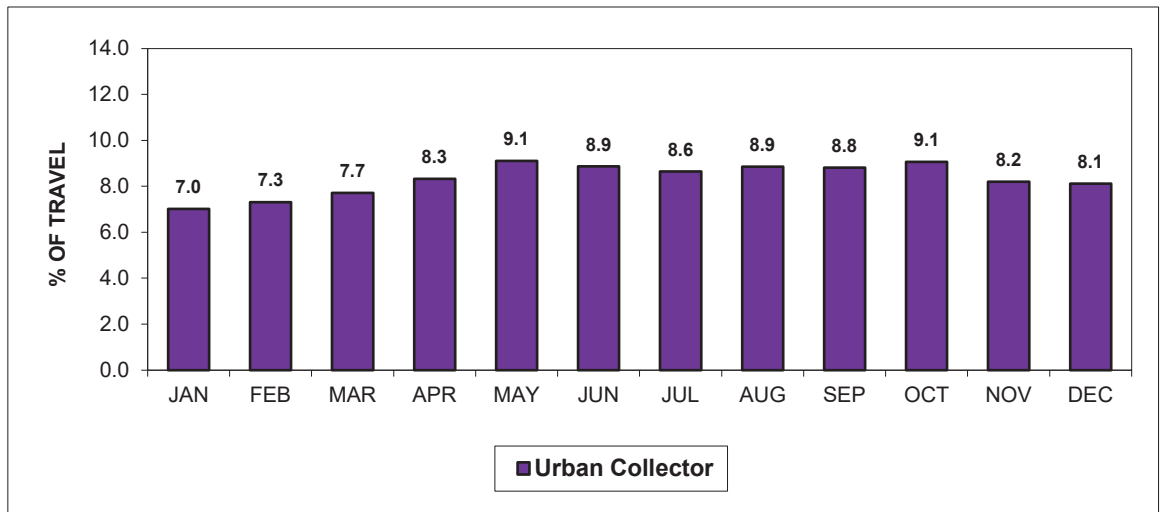
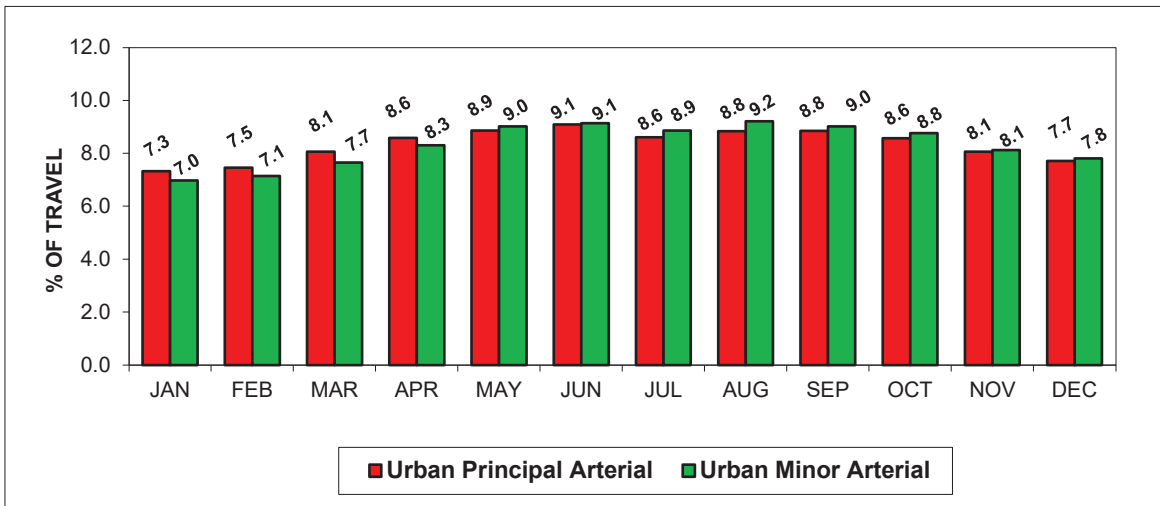
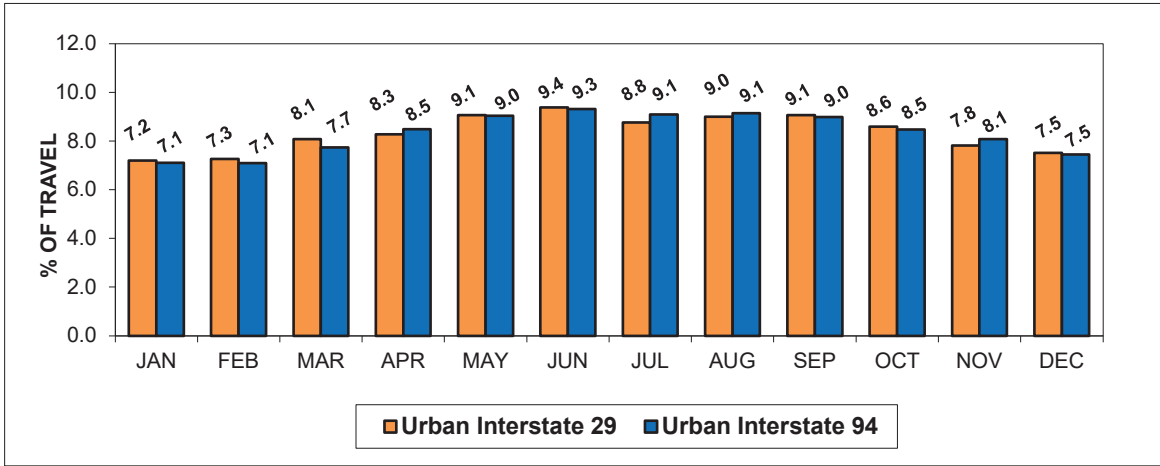
MONTHLY DISTRIBUTION OF ANNUAL TRAFFIC

TOTAL RURAL VEHICLES



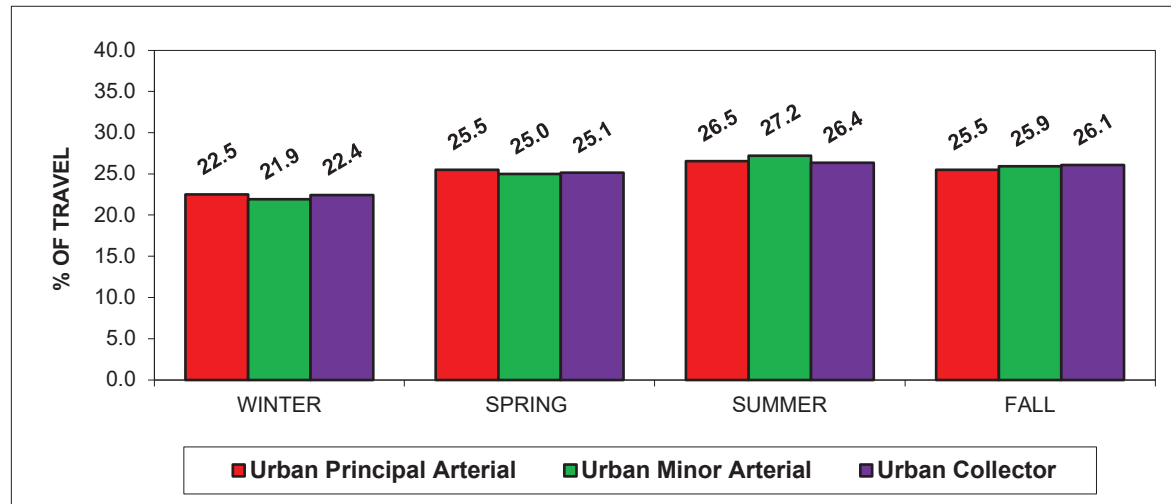
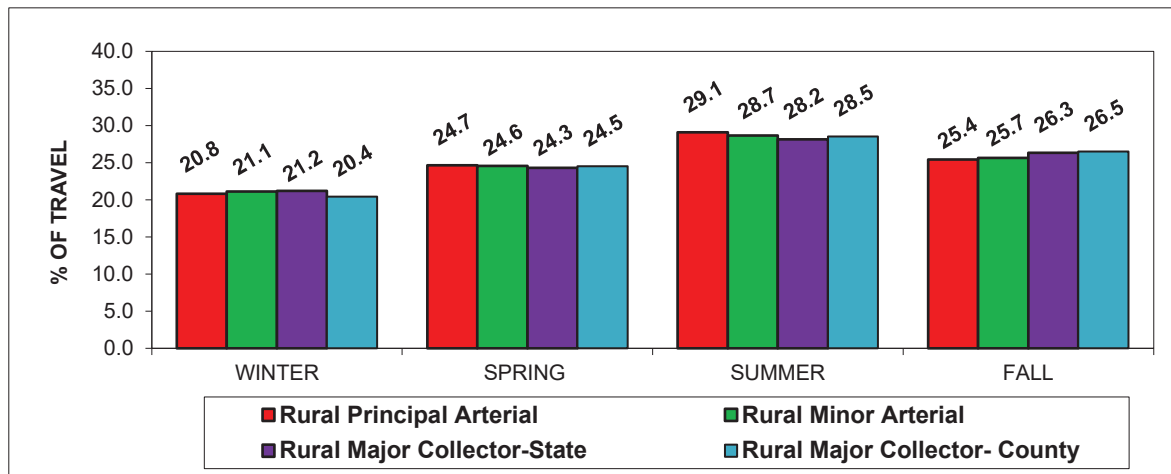
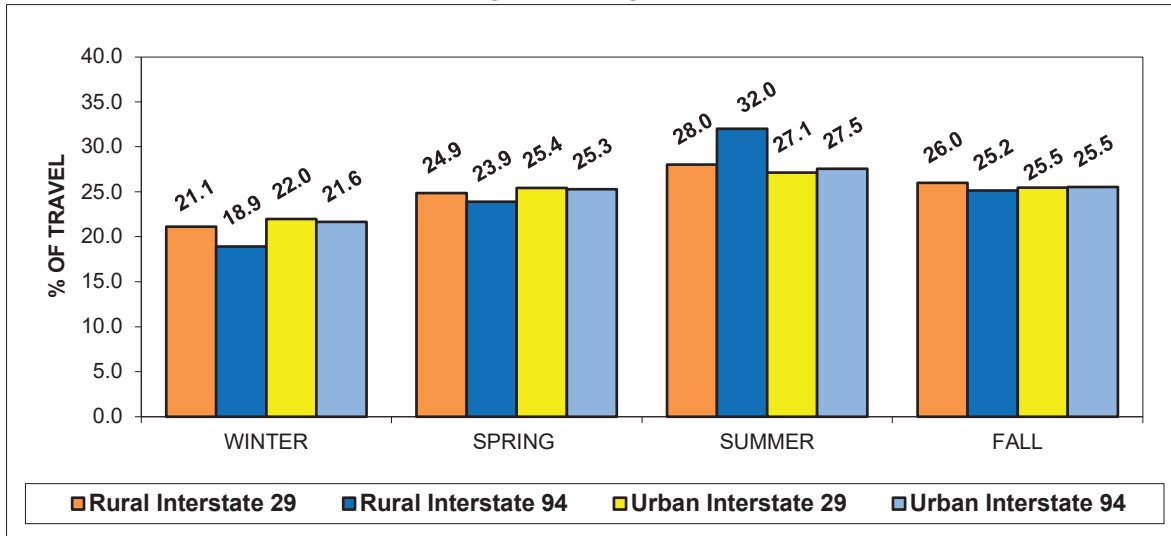
MONTHLY DISTRIBUTION OF ANNUAL TRAFFIC

TOTAL URBAN VEHICLES

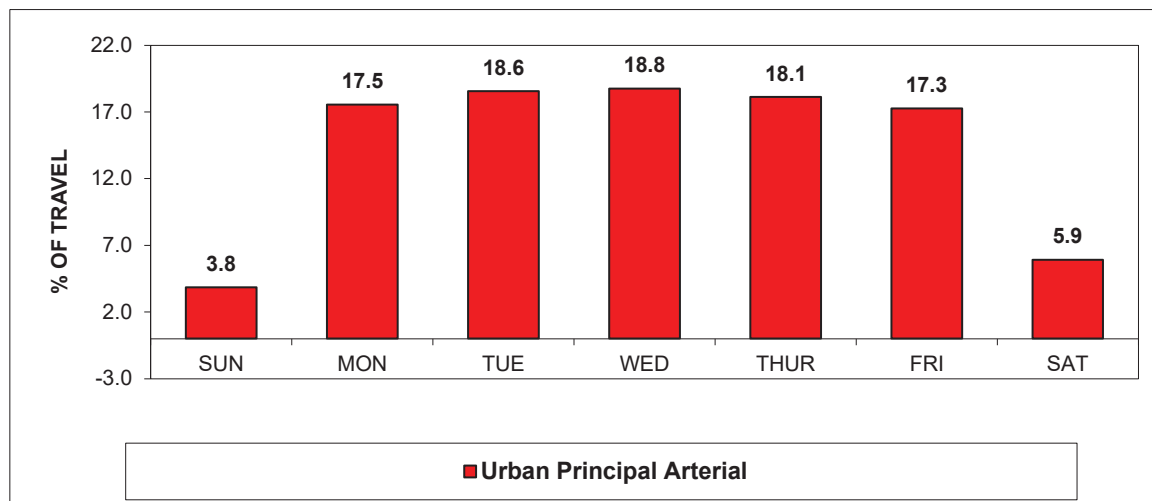
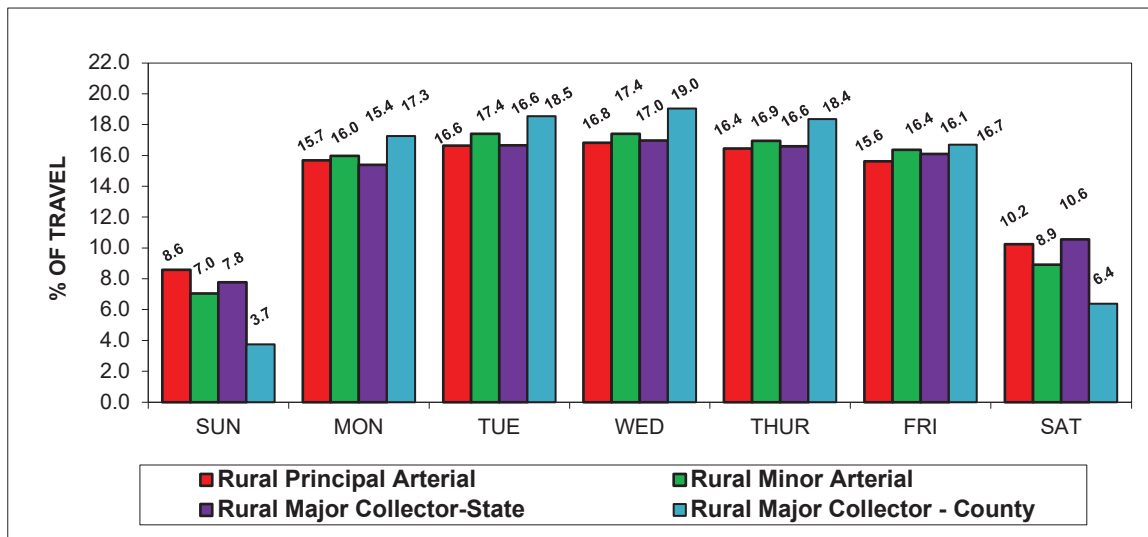
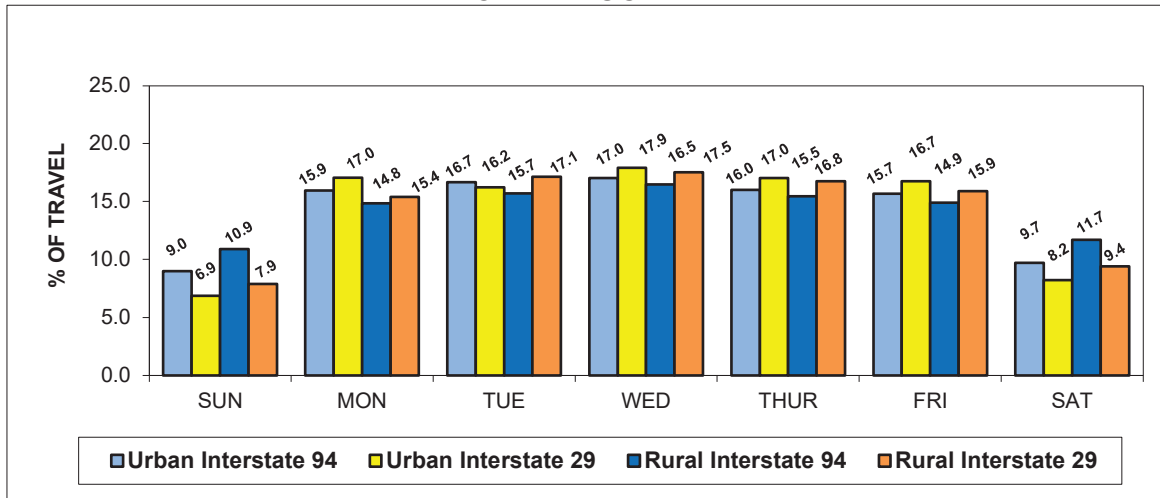


SEASONAL DISTRIBUTION OF TRAVEL

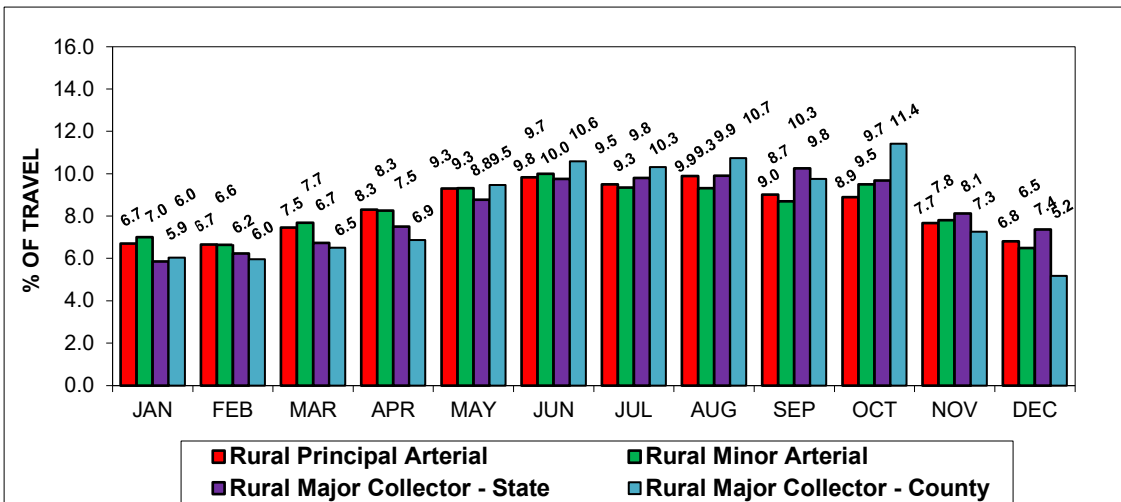
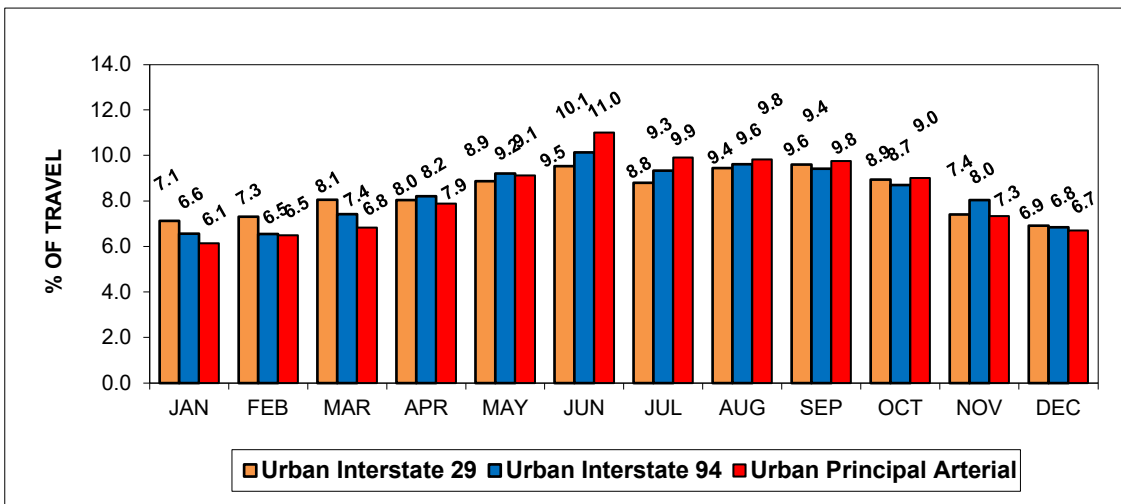
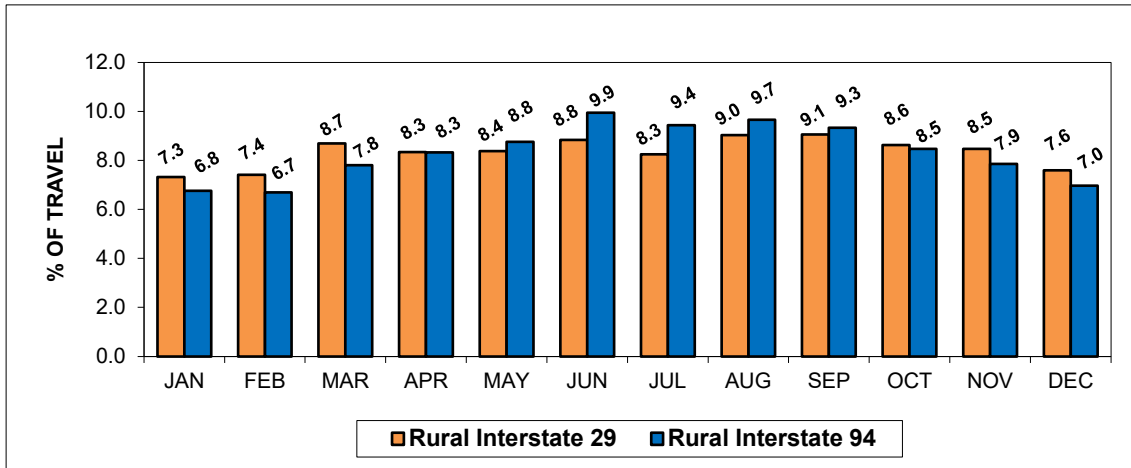
TOTAL VEHICLES



DAILY DISTRIBUTION OF TRAVEL TOTAL TRUCKS

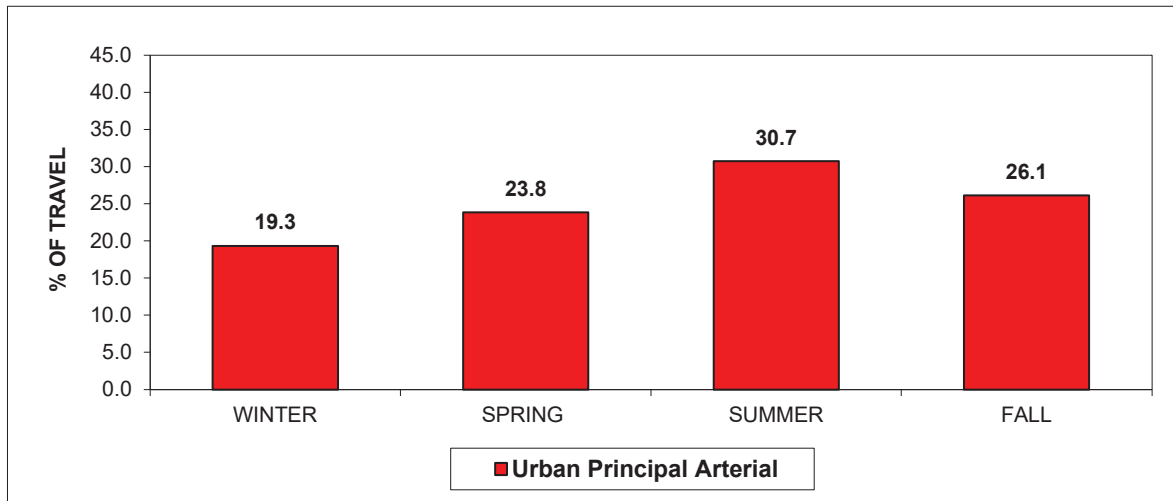
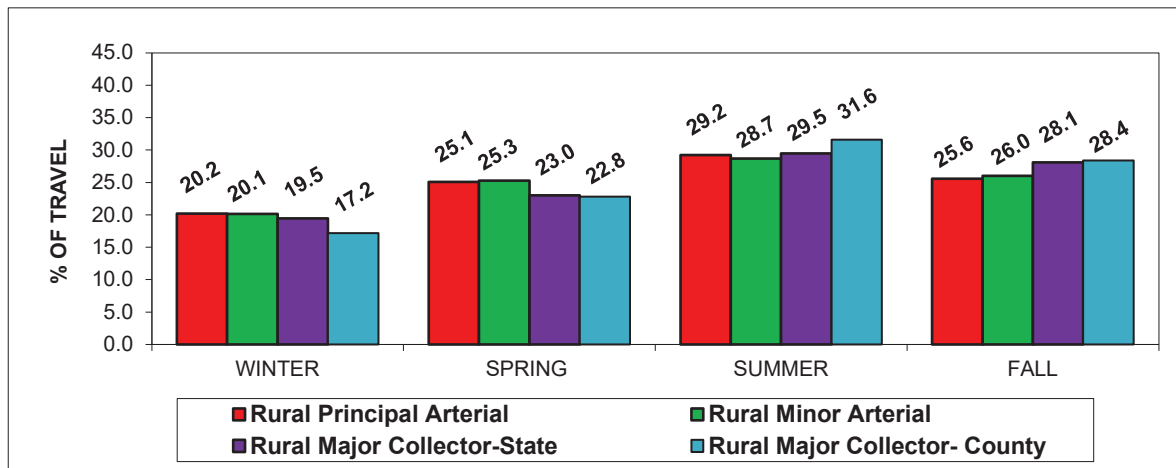
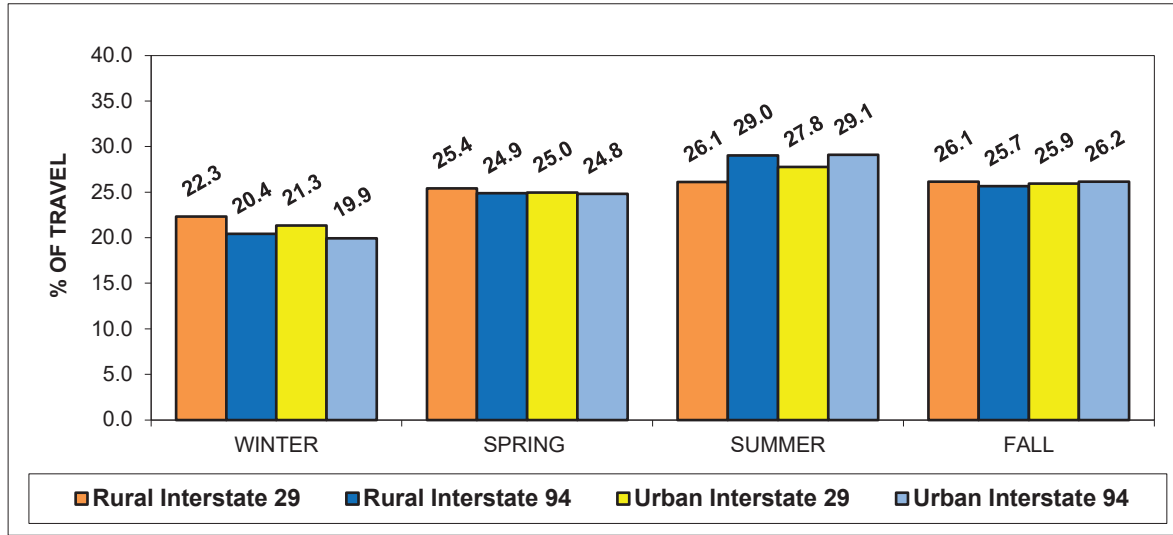


MONTHLY DISTRIBUTION OF ANNUAL TRAFFIC TOTAL TRUCKS



SEASONAL DISTRIBUTION OF TRAVEL

TOTAL TRUCKS



**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2019**

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	4095	724	17.7%	412	10.1%	401	51-49
		WEST	4081	745	18.3%	576	14.1%	604	49-51
		EAST & WEST	8176	1,262	15.4%	793	9.7%		
223	NEW SALEM	EAST	4217	636	15.1%	496	11.8%	414	55-45
		WEST	4156	569	13.7%	466	11.2%	432	52-48
		EAST & WEST	8373	1,040	12.4%	931	11.1%		
245	TOWER CITY	EAST	5657	1,079	19.1%	737	13.0%	645	53-47
		WEST	5649	849	15.0%	725	12.8%	653	53-47
		EAST & WEST	11306	1,762	15.6%	1415	12.5%		
279	PAINTED CANYON	EAST	2209	410	18.6%	319	14.4%	237	57-43
		WEST	2169	385	17.8%	271	12.5%	202	57-43
		EAST & WEST	4378	634	14.5%	509	11.6%		
INTERSTATE RURAL - I-29									
211	BUXTON	NORTH	6141	909	14.8%	782	12.7%	698	53-47
		SOUTH	6117	984	16.1%	772	12.6%	754	51-49
		NORTH & SOUTH	12258	1,792	14.6%	1470	12.0%		
243	BOWESMONT	NORTH	1588	337	21.2%	233	14.7%	84	74-26
		SOUTH	1574	294	18.7%	238	15.1%	103	70-30
		NORTH & SOUTH	3162	469	14.8%	381	12.0%		
265	MOORETON	NORTH	3392	556	16.4%	395	11.6%	286	58-42
		SOUTH	3446	478	13.9%	405	11.8%	341	54-46
		NORTH & SOUTH	6838	967	14.1%	753	11.0%		
285	DAVENPORT	NORTH	6145	782	12.7%	727	11.8%	385	65-35
		SOUTH	6196	954	15.4%	853	13.8%	549	61-39
		NORTH & SOUTH	12341	1,617	13.1%	1431	11.6%		
INTERSTATE URBAN - I-94									
217	FARGO (U)	EAST	37377	5,180	13.9%	4810	12.9%	3692	57-43
		WEST	38061	5,119	13.4%	4824	12.7%	2750	64-36
		EAST & WEST	75438	8,825	11.7%	8239	10.9%		
283	BISMARCK (U)	EAST	13205	1,511	11.4%	1408	10.7%	1164	55-45
		WEST	12981	1,530	11.8%	1401	10.8%	1418	50-50
		EAST & WEST	26186	2,992	11.4%	2758	10.5%		
INTERSTATE URBAN - I-29									
235	FARGO (U)	NORTH	18222	2,678	14.7%	2134	11.7%	1621	57-43
		SOUTH	17687	2,201	12.4%	1699	9.6%	1462	54-46
		NORTH & SOUTH	35909	4,189	11.7%	3363	9.4%		
PRINCIPAL ARTERIAL RURAL									
201	RAY	EAST	2962	415	14.0%	303	10.2%	308	50-50
		WEST	2955	391	13.2%	314	10.6%	259	55-45
		EAST & WEST	5917	675	11.4%	599	10.1%		
203	MAX	NORTH	2352	346	14.7%	258	11.0%	257	50-50

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2019**

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	2341	292	12.5%	233	10.0%	169	58-42
		NORTH & SOUTH	4693	571	12.2%	454	9.7%		
205	GWINNER	EAST	570	142	24.9%	109	19.1%	33	77-23
		WEST	585	133	22.7%	112	19.1%	43	72-28
		EAST & WEST	1155	175	15.2%	153	13.2%		
215	JAMESTOWN	EAST	1665	223	13.4%	159	9.5%	132	55-45
		WEST	1674	176	10.5%	120	7.2%	104	54-46
		EAST & WEST	3339	323	9.7%	232	6.9%		
219	MANDAN	NORTH	875	114	13.0%	89	10.2%	43	67-33
		SOUTH	876	125	14.3%	95	10.8%	67	59-41
		NORTH & SOUTH	1751	216	12.3%	166	9.5%		
221	FAIRFIELD	NORTH	1704	210	12.3%	179	10.5%	139	56-44
		SOUTH	1744	270	15.5%	225	12.9%	122	65-35
		NORTH & SOUTH	3448	403	11.7%	350	10.2%		
229	COOPERSTOWN	EAST	378	65	17.2%	44	11.6%	26	63-37
		WEST	370	57	15.4%	43	11.6%	36	54-46
		EAST & WEST	748	103	13.8%	78	10.4%		
233	FOXHOLM	EAST	1119	153	13.7%	126	11.3%	65	66-34
		WEST	1134	172	15.2%	132	11.6%	92	59-41
		EAST & WEST	2253	268	11.9%	236	10.5%		
237	NEKOMA	NORTH	424	117	27.6%	61	14.4%	44	58-42
		SOUTH	435	90	20.7%	63	14.5%	44	59-41
		NORTH & SOUTH	859	142	16.5%	114	13.3%		
239	NEW TOWN	EAST	3364	416	12.4%	330	9.8%	296	53-47
		WEST	3456	458	13.3%	341	9.9%	273	56-44
		EAST & WEST	6820	769	11.3%	654	9.6%		
241	BOTTINEAU	EAST	603	143	23.7%	99	16.4%	44	69-31
		WEST	623	135	21.7%	86	13.8%	46	65-35
		EAST & WEST	1226	187	15.3%	159	13.0%		
251	HAGUE	NORTH	439	81	18.5%	65	14.8%	37	64-36
		SOUTH	429	91	21.2%	61	14.2%	37	62-38
		NORTH & SOUTH	868	135	15.6%	113	13.0%		
253	RUGBY	EAST	1432	250	17.5%	184	12.8%	147	56-44
		WEST	1422	292	20.5%	196	13.8%	149	57-43
		EAST & WEST	2854	441	15.5%	351	12.3%		
255	CROSBY	EAST	430	126	29.3%	55	12.8%	15	79-21
		WEST	431	116	26.9%	53	12.3%	30	64-36
		EAST & WEST	861	153	17.8%	99	11.5%		
257	WILLISTON	EAST	1151	343	29.8%	114	9.9%	124	48-52
		WEST	1187	259	21.8%	145	12.2%	108	57-43
		EAST & WEST	2338	414	17.7%	238	10.2%		
261	CARRINGTON	NORTH	835	169	20.2%	111	13.3%	78	59-41
		SOUTH	841	158	18.8%	102	12.1%	56	65-35

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2019**

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	1676	224	13.4%	197	11.8%		
273	NEW LEIPZIG	EAST	183	55	30.1%	29	15.8%	18	62-38
		WEST	184	42	22.8%	23	12.5%	18	56-44
		EAST & WEST	367	66	18.0%	43	11.7%		
281	SAWYER	EAST	2311	368	15.9%	340	14.7%	172	66-34
		WEST	2340	402	17.2%	365	15.6%	112	77-23
		EAST & WEST	4651	568	12.2%	520	11.2%		
297	WILLISTON NW	NORTH	2728	418	15.3%	316	11.6%	242	57-43
		SOUTH	2773	453	16.3%	351	12.7%	177	66-34
		NORTH & SOUTH	5501	760	13.8%	618	11.2%		
299	KILLDEER200W	EAST	985	131	13.3%	114	11.6%	78	59-41
		WEST	1004	130	12.9%	111	11.1%	70	61-39
		EAST & WEST	1989	252	12.7%	208	10.5%		
303	MICHIGAN	EAST	1901	444	23.4%	297	15.6%	215	58-42
		WEST	1893	378	20.0%	280	14.8%	196	59-41
		EAST & WEST	3794	650	17.1%	511	13.5%		
307	WASHBURN	NORTH	2794	531	19.0%	377	13.5%	244	61-39
		SOUTH	2775	483	17.4%	371	13.4%	214	63-37
		NORTH & SOUTH	5569	838	15.0%	676	12.1%		
309	NEWTOWN EAST	EAST	2336	443	19.0%	369	15.8%	142	72-28
		WEST	2302	306	13.3%	277	12.0%	63	81-19
		EAST & WEST	4638	644	13.9%	539	11.6%		
311	WILLISTON 2N	EAST	5015	556	11.1%	499	10.0%	479	51-49
		WEST	4989	594	11.9%	532	10.7%	473	53-47
		EAST & WEST	10004	1,121	11.2%	991	9.9%		
315	RYDER E23	EAST	1194	185	15.5%	152	12.7%	92	62-38
		WEST	1188	159	13.4%	133	11.2%	20	87-13
		EAST & WEST	2382	281	11.8%	235	9.9%		
337	BLAISDELL E2	EAST	2389	437	18.3%	366	15.3%	184	67-33
		WEST	2448	430	17.6%	394	16.1%	65	86-14
		EAST & WEST	4837	639	13.2%	539	11.1%		
339	GRASSY BUTTE	NORTH	1915	357	18.6%	197	10.3%	216	48-52
		SOUTH	1903	306	16.1%	236	12.4%	145	62-38
		NORTH & SOUTH	3818	432	11.3%	387	10.1%		
341	ALEXANDER85W	NORTH	3603	460	12.8%	406	11.3%	302	57-43
		SOUTH	3599	442	12.3%	390	10.8%	218	64-36
		NORTH & SOUTH	7202	788	10.9%	715	9.9%		
343	WATFORD E23	EAST	2991	521	17.4%	391	13.1%	101	79-21
		WEST	2985	619	20.7%	483	16.2%	198	71-29
		EAST & WEST	5976	817	13.7%	608	10.2%		
345	WILLIAMS N85	NORTH	1121	161	14.4%	134	12.0%	109	55-45
		SOUTH	1078	165	15.3%	121	11.2%	106	53-47

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2019**

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	2199	278	12.6%	236	10.7%		
349	BEULAH S49	NORTH	732	120	16.4%	101	13.8%	50	67-33
		SOUTH	727	142	19.5%	102	14.0%	78	57-43
		NORTH & SOUTH	1459	198	13.6%	175	12.0%		
351	COLUMBUS W5	EAST	274	67	24.5%	40	14.6%	19	68-32
		WEST	276	61	22.1%	38	13.8%	25	60-40
		EAST & WEST	550	82	14.9%	69	12.5%		
353	GRANVILLE E2	EAST	1403	275	19.6%	189	13.5%	98	66-34
		WEST	1392	264	19.0%	188	13.5%	113	62-38
		EAST & WEST	2795	444	15.9%	351	12.6%		
355	MOHALL W5	EAST	380	96	25.3%	51	13.4%	38	57-43
		WEST	374	84	22.5%	49	13.1%	35	58-42
		EAST & WEST	754	119	15.8%	89	11.8%		
419	EMERADO W2	EAST	3101	514	16.6%	392	12.6%	363	52-48
		WEST	3086	585	19.0%	443	14.4%	277	62-38
		EAST & WEST	6187	888	14.4%	748	12.1%		
423	HARVEY N3	NORTH	303	41	13.5%	28	9.2%	20	58-42
		SOUTH	299	106	35.5%	42	14.0%	10	81-19
		NORTH & SOUTH	602	59	9.8%	50	8.3%		
429	LAKOTA S1	NORTH	288	154	53.5%	47	16.3%	19	71-29
		SOUTH	294	116	39.5%	52	17.7%	26	67-33
		NORTH & SOUTH	582	174	29.9%	89	15.3%		
447	DUNSEITH E	NORTH	1350	242	17.9%	151	11.2%	193	44-56
		SOUTH	1365	240	17.6%	185	13.6%	118	61-39
		NORTH & SOUTH	2715	428	15.8%	311	11.5%		
449	SHEYENNE N	SOUTH	508	91	17.9%	71	14.0%		-
MINOR ARTERIAL RURAL									
231	GRAFTON	EAST	1221	326	26.7%	169	13.8%	71	70-30
		WEST	1226	391	31.9%	175	14.3%	127	58-42
		EAST & WEST	2447	423	17.3%	295	12.1%		
247	COURTENAY	NORTH	225	48	21.3%	39	17.3%	12	76-24
		SOUTH	219	57	26.0%	34	15.5%	20	63-37
		NORTH & SOUTH	444	84	18.9%	61	13.7%		
249	GARRISON	EAST	803	188	23.4%	128	15.9%	65	66-34
		WEST	797	217	27.2%	128	16.1%	60	68-32
		EAST & WEST	1600	355	22.2%	237	14.8%		
275	HANNOVER	NORTH	327	55	16.8%	45	13.8%	24	65-35
		SOUTH	316	54	17.1%	42	13.3%	23	65-35
		NORTH & SOUTH	643	101	15.7%	78	12.1%		
289	MANNING	NORTH	2600	479	18.4%	439	16.9%	99	82-18
		SOUTH	2570	498	19.4%	426	16.6%	159	73-27

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2019**

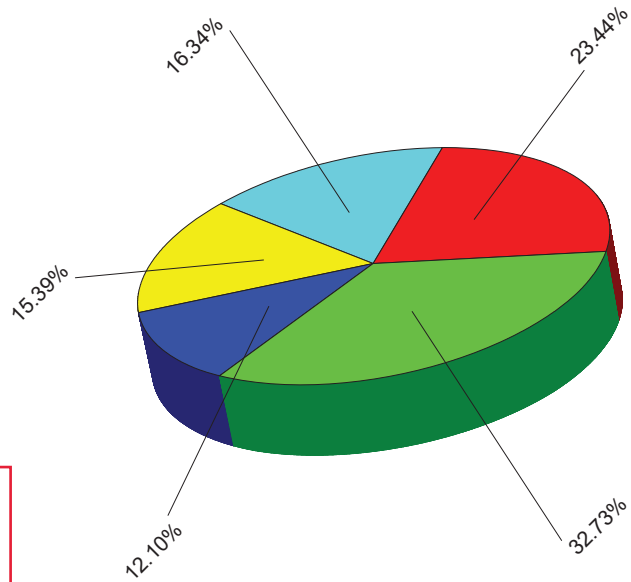
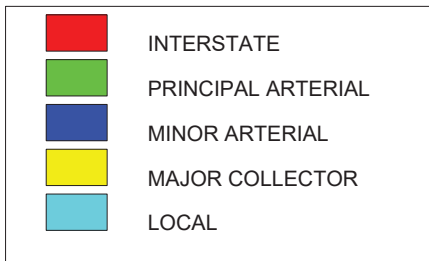
STATION NUMBER	STATION NAME	DIRECTION	ANNUAL AVERAGE DAILY TRAFFIC (AADT)	---- PEAK HOUR ----		----- DESIGN HOUR -----			
				VOLUME	% OF AADT	VOLUME	% OF AADT	VOLUME OPPOSITE DIR	DIRECTIONAL DISTRIBUTION
MINOR ARTERIAL RURAL									
289	MANNING	NORTH & SOUTH	5170	662	12.8%	596	11.5%		
291	MARMARTH	EAST	328	67	20.4%	48	14.6%	30	62-38
		WEST	329	65	19.8%	48	14.6%	19	72-28
		EAST & WEST	657	105	16.0%	84	12.8%		
293	KILLDEER	NORTH	2142	363	16.9%	316	14.8%	106	75-25
		SOUTH	2184	449	20.6%	354	16.2%	106	77-23
		NORTH & SOUTH	4326	561	13.0%	461	10.7%		
295	NECHE	NORTH	153	49	32.0%	37	24.2%	33	53-47
		SOUTH	163	52	31.9%	39	23.9%	32	55-45
		NORTH & SOUTH	316	100	31.6%	75	23.7%		
373	DICKINSON22S	NORTH	920	190	20.7%	117	12.7%	117	50-50
		SOUTH	901	157	17.4%	121	13.4%	91	57-43
		NORTH & SOUTH	1821	274	15.0%	213	11.7%		
453	OAKES S1	NORTH	590	91	15.4%	71	12.0%	58	55-45
		SOUTH	593	94	15.9%	80	13.5%	50	62-38
		NORTH & SOUTH	1183	180	15.2%	139	11.7%		
461	THOMPSON W15	EAST	809	144	17.8%	123	15.2%	50	71-29
		WEST	750	129	17.2%	115	15.3%	58	66-34
		EAST & WEST	1559	225	14.4%	190	12.2%		
727	ENDERLIN E46	EAST	977	179	18.3%	118	12.1%	87	58-42
		WEST	967	162	16.8%	123	12.7%	93	57-43
		EAST & WEST	1944	298	15.3%	229	11.8%		
759	WILTON E36	EAST	282	82	29.1%	44	15.6%	34	56-44
		WEST	272	82	30.1%	45	16.5%	32	58-42
		EAST & WEST	554	103	18.6%	75	13.5%		
MAJOR COLLECTOR - COUNTY									
101	MINOT55ST NE	NORTH	1292	196	15.2%	165	12.8%	158	51-49
		SOUTH	1310	223	17.0%	177	13.5%	135	57-43
		NORTH & SOUTH	2602	411	15.8%	329	12.6%		
103	MINOT46AV NE	EAST	622	136	21.9%	112	18.0%	66	63-37
		WEST	625	137	21.9%	114	18.2%	73	61-39
		EAST & WEST	1247	230	18.4%	193	15.5%		
225	STERLING	EAST	457	95	20.8%	76	16.6%	42	64-36
		WEST	412	73	17.7%	54	13.1%	7	89-11
		EAST & WEST	869	146	16.8%	118	13.6%		
259	AYR	EAST	177	39	22.0%	28	15.8%	22	56-44
		WEST	176	64	36.4%	29	16.5%	16	64-36
		EAST & WEST	353	76	21.5%	52	14.7%		
277	REGENT	NORTH	154	41	26.6%	27	17.5%	21	56-44
		SOUTH	156	75	48.1%	30	19.2%	19	61-39
		NORTH & SOUTH	310	83	26.8%	51	16.5%		

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2019**

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 - STATE									
267	TRENTON	NORTH	2373	301	12.7%	213	9.0%	255	46-54
		SOUTH	2324	306	13.2%	262	11.3%	190	58-42
		NORTH & SOUTH	4697	538	11.5%	454	9.7%		
493	ST THOMAS W	EAST	296	38	12.8%	27	9.1%	18	60-40
		WEST	296	35	11.8%	25	8.4%	22	53-47
		EAST & WEST	592	66	11.1%	49	8.3%		
783	KULM S56	NORTH	137	66	48.2%	42	30.7%	5	89-11
		SOUTH	143	96	67.1%	73	51.0%	3	96-4
		NORTH & SOUTH	280	100	35.7%	77	27.5%		
PRINCIPAL ARTERIAL URBAN									
287	GRAND FORKS	NORTH	11230	1,187	10.6%	1124	10.0%	1100	51-49
		SOUTH	10956	1,359	12.4%	1219	11.1%	1109	52-48
		NORTH & SOUTH	22186	2,505	11.3%	2318	10.4%		
501	FARGO (U)	NORTH	11128	1,697	15.2%	1562	14.0%	887	64-36
		SOUTH	12843	1,703	13.3%	1566	12.2%	997	61-39
		NORTH & SOUTH	23971	2,697	11.3%	2541	10.6%		
503	BISMARCK (U)	EAST	6884	1,007	14.6%	865	12.6%	745	54-46
		WEST	6621	925	14.0%	767	11.6%	766	50-50
		EAST & WEST	13505	1,888	14.0%	1598	11.8%		
513	WFARGO MAIN (U)	EAST	3384	800	23.6%	506	15.0%	437	54-46
		WEST	3249	757	23.3%	609	18.7%	313	66-34
		EAST & WEST	6633	1,557	23.5%	984	14.8%		
603	WILLISTON (U)	EAST	3759	454	12.1%	406	10.8%	333	55-45
		WEST	3821	472	12.4%	398	10.4%	323	55-45
		EAST & WEST	7580	842	11.1%	765	10.1%		
605	MANDAN (U)	EAST	8908	1,020	11.5%	903	10.1%	702	56-44
		WEST	9256	1,255	13.6%	1116	12.1%	880	56-44
		EAST & WEST	18164	2,165	11.9%	1969	10.8%		
MINOR ARTERIAL-URBAN									
607	DICKINSON (U)	EAST	1398	232	16.6%	175	12.5%	110	61-39
		WEST	1406	233	16.6%	169	12.0%	149	53-47
		EAST & WEST	2804	382	13.6%	316	11.3%		
611	MINOT (U)	EAST	1199	212	17.7%	162	13.5%	105	61-39
		WEST	1316	210	16.0%	169	12.8%	129	57-43
		EAST & WEST	2515	357	14.2%	301	12.0%		
COLLECTOR URBAN									
609	MINOT (U)	EAST	1305	570	43.7%	157	12.0%	75	68-32
		WEST	1268	261	20.6%	162	12.8%	122	57-43
		EAST & WEST	2573	689	26.8%	309	12.0%		

2019 COMPARISON OF VEHICLE MILES TO RURAL ROAD MILES

Vehicle Miles Traveled



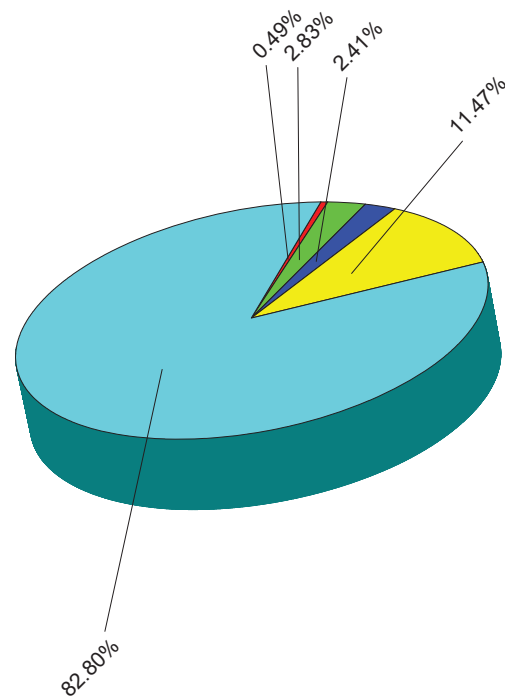
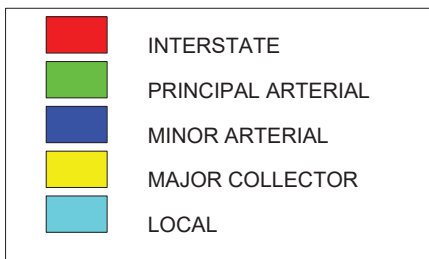
Interesting Facts:

-Local roads comprise about 83% of the roads in the state but only carry about 16% of the traffic.

-Interstates comprise less than 1% of the roads but carry around 24% of the traffic.

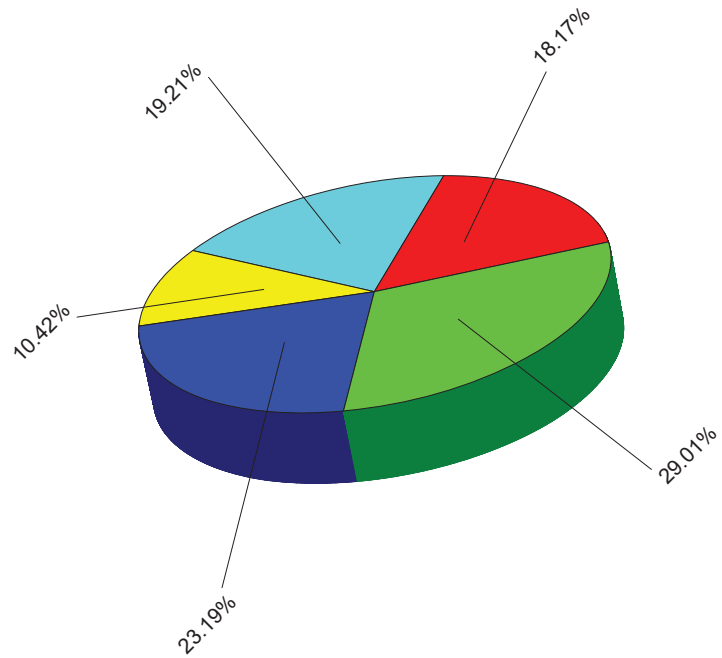
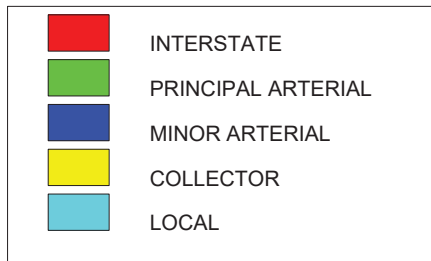
-Principal Arterials comprise less than 3% of the roads but carry about 32% of the traffic.

Road Miles



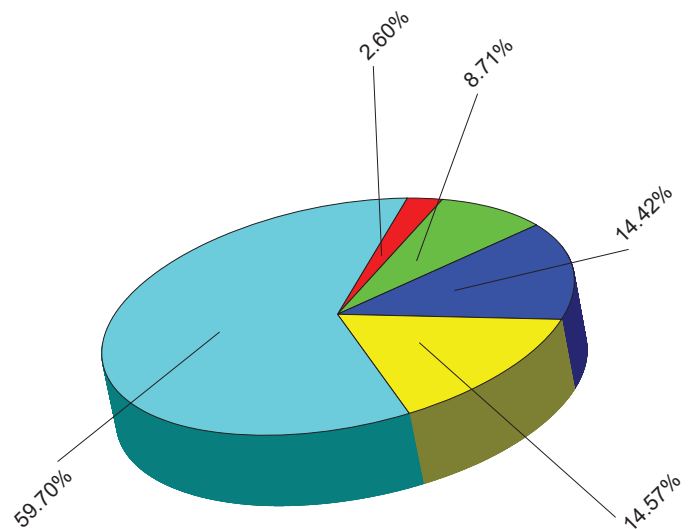
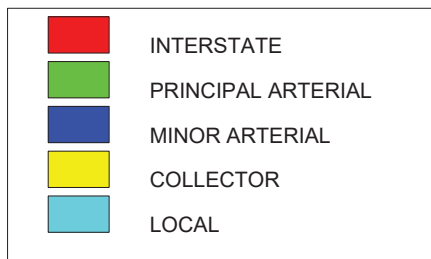
2019 COMPARISON OF VEHICLE MILES TO URBAN ROAD MILES

Vehicle Miles Traveled



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

Road Miles



**NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
SUMMARY OF 2019 EXISTING MILEAGE OF NORTH DAKOTA ROADS AND STREETS
CLASSIFIED BY SYSTEMS**

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

2019 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	45,395	195,641	78,849	59,969	68,959	448,813
DEVILS LAKE		17,380	6,044	7,038	4,771	35,233
DICKINSON	18,750	31,496	31,649	14,120	28,647	124,662
FARGO	285,932	177,814	249,329	90,126	245,936	1,049,138
GRAND FORKS	14,931	119,890	56,874	35,294	40,302	267,291
JAMESTOWN	17,765	22,891	10,620	10,115	13,670	75,061
MANDAN	59,990	44,371	34,186	9,360	11,702	159,609
MINOT		117,185	66,667	20,603	54,785	259,241
VALLEY CITY	18,814	5,371	7,505	5,359	6,446	43,495
WAHPETON		11,808	7,728	4,607	11,158	35,302
WEST FARGO	45,956	20,113	64,918	20,590	27,230	178,807
WILLISTON		46,128	33,152	13,923	22,832	116,034
TOTAL	507,534	810,087	647,522	291,104	536,438	2,792,685

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

2019 RURAL ANNUAL VEHICLE MILES OF TRAVEL BY FUNCTIONAL CLASS

(VEHICLE MILES OF TRAVEL SHOWN IN THOUSANDS)

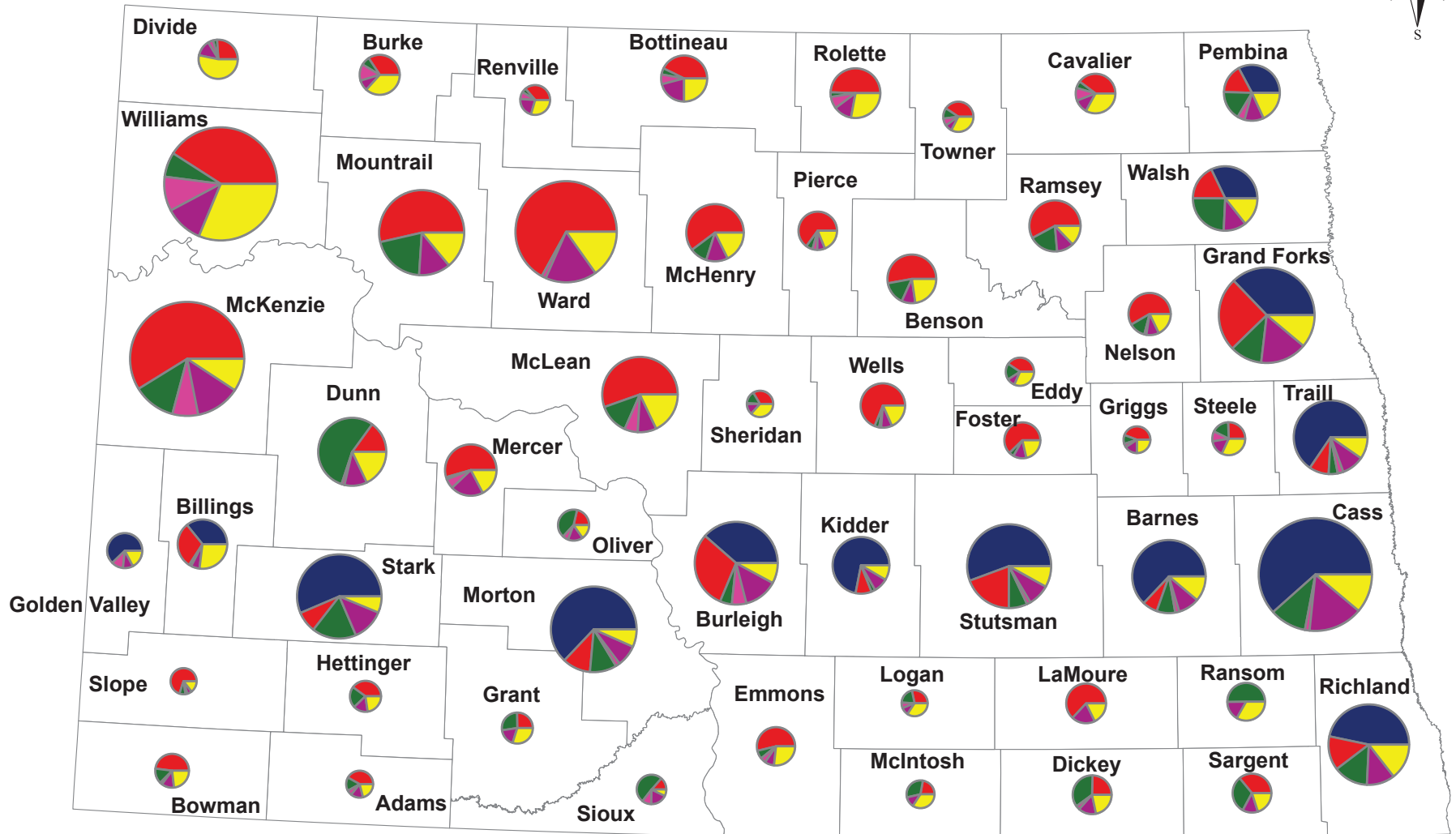
COUNTY	INTERSTATE	PRINCIPAL ARTERIAL	MINOR ARTERIAL	STATE MAJOR COLLECTOR	COUNTY MAJOR COLLECTOR	LOCAL ROADS	TOTAL
ADAMS		11,857	4,548	1,752	4,148	5,965	28,269
BARNES	131,197	13,825	16,950	3,720	19,354	23,179	208,226
BENSON		48,369	14,056	296	8,295	20,724	91,740
BILLINGS	33,804	28,567	1,484		5,199	25,424	94,478
BOTTINEAU		35,167	3,618	5,644	17,229	20,559	82,217
BOWMAN		21,275	6,422	1,011	5,314	10,268	44,290
BURKE		21,307	4,350	8,319	5,351	22,805	62,133
BURLEIGH	102,503	80,376	12,281	15,001	34,926	21,025	266,113
CASS	304,979		51,602	6,534	76,926	54,995	495,037
CAVALIER		24,227	3,481	6,345	6,857	20,082	60,992
DICKEY		14,303	20,685	1,999	8,637	12,645	58,267
DIVIDE		15,432	1,962	2,529	7,739	31,563	59,225
DUNN		26,813	98,402	2,644	19,128	32,091	179,079
EDDY		12,420	5,727		2,798	9,665	30,611
EMMONS		30,619	4,023	2,647	4,465	15,179	56,933
FOSTER		31,145	2,161		5,919	10,670	49,895
GOLDEN VALLEY	29,685			5,207	4,452	8,279	47,623
GRAND FORKS	130,857	88,464	38,291	2,003	55,360	39,102	354,077
GRANT		9,467	10,068		6,603	11,176	37,314
GRIGGS		12,351	2,947	1,233	4,305	7,005	27,840
HETTINGER		14,912	8,251		5,686	8,424	37,274
KIDDER	89,900	11,360	2,822		10,334	10,530	124,946
LAMOURE		37,999	531	418	11,522	10,684	61,156
LOGAN		7,393	5,451	1,822	2,512	8,897	26,075
MC HENRY		76,043	12,469	916	15,419	22,342	127,190
MC INTOSH		6,726	9,351		3,637	10,261	29,975
MC KENZIE		296,106	60,458	36,782	63,536	46,616	503,498
MC LEAN		122,075	28,689	12,611	17,454	39,603	220,432
MERCER		55,673	1,505	6,355	21,043	17,690	102,267
MORTON	178,941	30,112	28,685	4,671	22,935	18,850	284,194
MOUNTRAIL		148,887	56,783	2,393	33,486	38,742	280,290
NELSON		40,276	8,715	1,115	6,643	12,306	69,054
OLIVER		7,972	15,442	2,264	5,804	5,640	37,123
PEMBINA	39,841	20,371	20,534	5,233	13,437	22,011	121,427
PIERCE		36,875	3,250	2,292	3,685	10,680	56,782
RAMSEY		58,627	18,727		11,027	12,967	101,348
RANSOM			27,703		9,148	18,373	55,224
RENVILLE		12,521	1,630	2,746	7,353	10,171	34,422
RICHLAND	117,264	34,373	34,837		28,288	36,402	251,164
ROLETTE		47,417	2,869	7,381	11,421	26,692	95,780
SARGENT		21,077	18,242		7,498	11,766	58,583
SHERIDAN		9,047	4,137	289	3,539	9,815	26,828
SIOUX		4,543	17,165	3,433	6,104	2,406	33,651
SLOPE		18,460	1,946	627	1,460	3,851	26,343
STARK	155,558	22,210	46,868		33,895	17,207	275,739
STEELE		10,746	7,162	4,180	6,472	13,389	41,950
STUTSMAN	151,763	52,615	19,264	4,070	22,965	22,116	272,794
TOWNER		14,351	4,088	2,711	2,738	11,534	35,421
TRAILL	138,414	18,115	8,395	5,335	20,680	20,279	211,218
WALSH	51,369	28,521	38,873	1,253	18,307	22,849	161,173
WARD		265,951		5,594	65,041	60,217	396,804
WELLS		52,697	2,595	1,080	6,133	13,934	76,439
WILLIAMS		202,764	34,823	48,700	54,299	154,846	495,431
TOTAL	1,656,075	2,312,798	855,323	231,159	856,505	1,154,495	7,066,355

2019 ANNUAL VEHICLE MILES OF TRAVEL BY COUNTY

(VEHICLE MILES OF TRAVEL SHOWN IN THOUSANDS)

COUNTY	RURAL	URBAN	COUNTY TOTAL	PERCENT OF STATE TRAVEL
ADAMS	28,269		28,269	0.29%
BARNES	208,226	43,495	251,721	2.55%
BENSON	91,740		91,740	0.93%
BILLINGS	94,478		94,478	0.96%
BOTTINEAU	82,217		82,217	0.83%
BOWMAN	44,290		44,290	0.45%
BURKE	62,133		62,133	0.63%
BURLEIGH	266,113	448,813	714,927	7.25%
CASS	495,037	1,227,945	1,722,982	17.48%
CAVALIER	60,992		60,992	0.62%
DICKEY	58,267		58,267	0.59%
DIVIDE	59,225		59,225	0.60%
DUNN	179,079		179,079	1.82%
EDDY	30,611		30,611	0.31%
EMMONS	56,933		56,933	0.58%
FOSTER	49,895		49,895	0.51%
GOLDEN VALLEY	47,623		47,623	0.48%
GRAND FORKS	354,077	267,291	621,367	6.30%
GRANT	37,314		37,314	0.38%
GRIGGS	27,840		27,840	0.28%
HETTINGER	37,274		37,274	0.38%
KIDDER	124,946		124,946	1.27%
LAMOURE	61,156		61,156	0.62%
LOGAN	26,075		26,075	0.26%
MC HENRY	127,190		127,190	1.29%
MC INTOSH	29,975		29,975	0.30%
MC KENZIE	503,498		503,498	5.11%
MC LEAN	220,432		220,432	2.24%
MERCER	102,267		102,267	1.04%
MORTON	284,194	159,609	443,803	4.50%
MOUNTRAIL	280,290		280,290	2.84%
NELSON	69,054		69,054	0.70%
OLIVER	37,123		37,123	0.38%
PEMBINA	121,427		121,427	1.23%
PIERCE	56,782		56,782	0.58%
RAMSEY	101,348	35,233	136,582	1.39%
RANSOM	55,224		55,224	0.56%
RENVILLE	34,422		34,422	0.35%
RICHLAND	251,164	35,302	286,465	2.91%
ROLETTE	95,780		95,780	0.97%
SARGENT	58,583		58,583	0.59%
SHERIDAN	26,828		26,828	0.27%
SIOUX	33,651		33,651	0.34%
SLOPE	26,343		26,343	0.27%
STARK	275,739	124,662	400,400	4.06%
STEELE	41,950		41,950	0.43%
STUTSMAN	272,794	75,061	347,854	3.53%
TOWNER	35,421		35,421	0.36%
TRAILL	211,218		211,218	2.14%
WALSH	161,173		161,173	1.63%
WARD	396,804	259,241	656,044	6.65%
WELLS	76,439		76,439	0.78%
WILLIAMS	495,431	116,034	611,465	6.20%
TOTAL	7,066,355	2,792,685	9,859,040	100.00%

2019 RURAL ANNUAL VEHICLE MILES OF TRAVEL BY FUNCTIONAL CLASSIFICATION



(48)

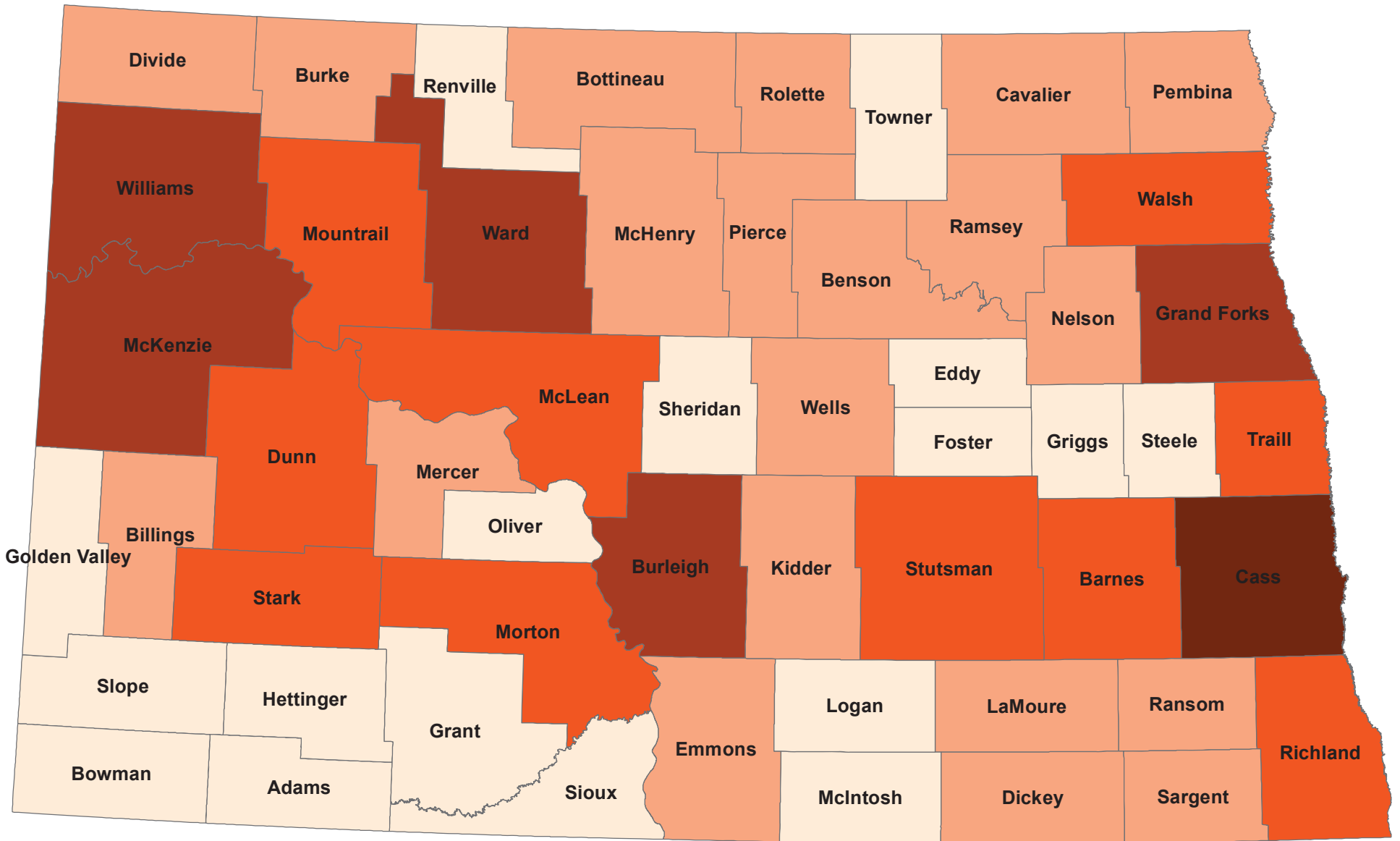
FUNCTIONAL CLASSES

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

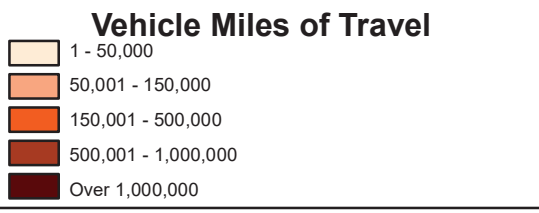
NOTES: - Data from page 46 of this report.
 - The size of each individual pie chart is representative of the total VMT in that county.

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2019 TOTAL ANNUAL VEHICLE MILES OF TRAVEL



(47)



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

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Statewide VMT

All State Highways

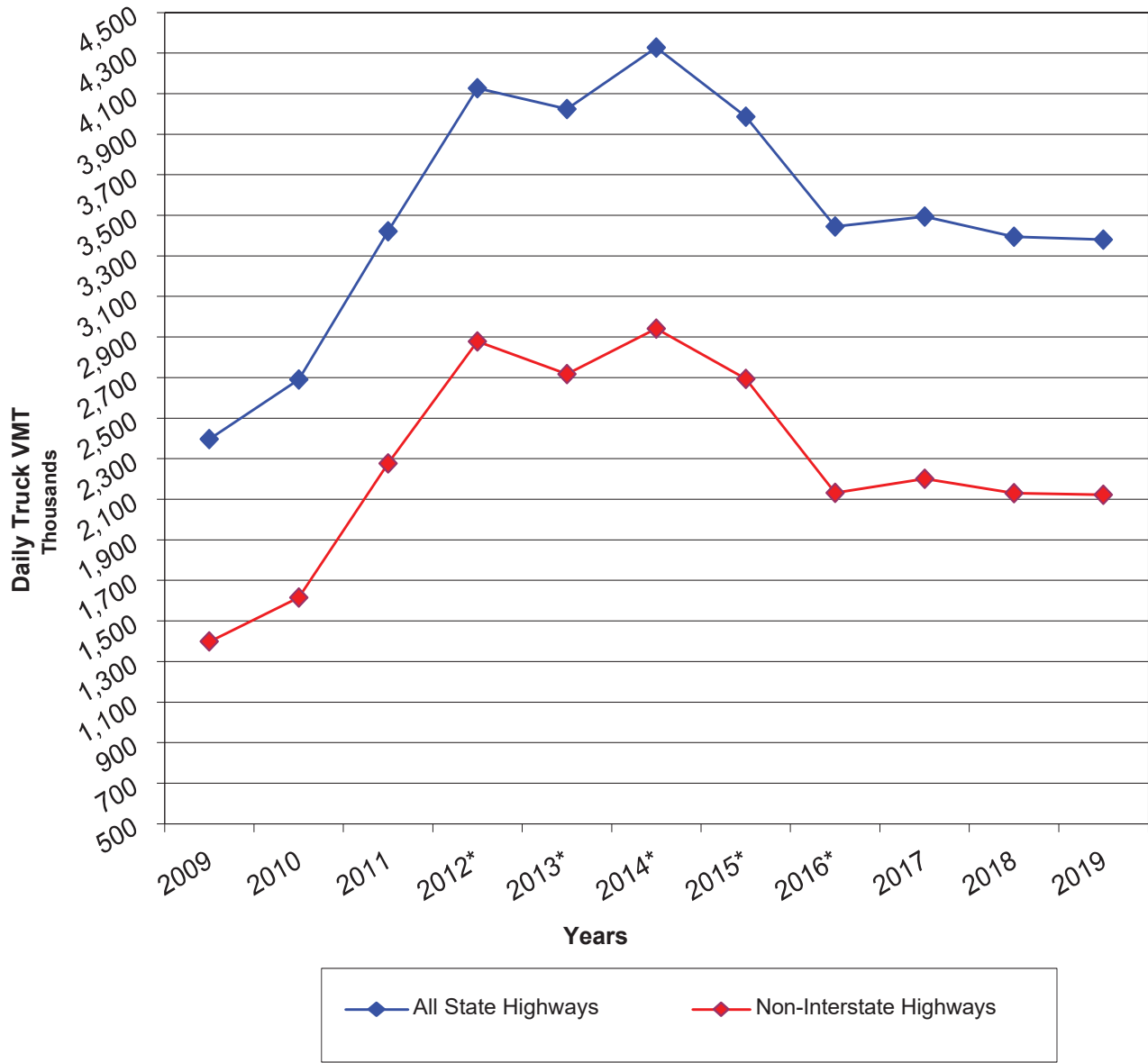
Years	Annual Daily VMT	Annual VMT	Annual Daily Truck VMT	Annual Truck VMT	% Total Trucks	% Combination Trucks
2003	12,584,059	4,593,181,535	2,132,255	778,273,075	16.94%	12.94%
2004	12,834,849	4,684,719,885	2,139,703	780,991,595	16.67%	12.67%
2005	12,843,726	4,687,959,947	2,109,678	770,032,420	16.43%	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%
2019	17,038,483	6,219,046,295	3,379,279	1,233,436,835	19.33%	15.83%

Non-Interstate Highways

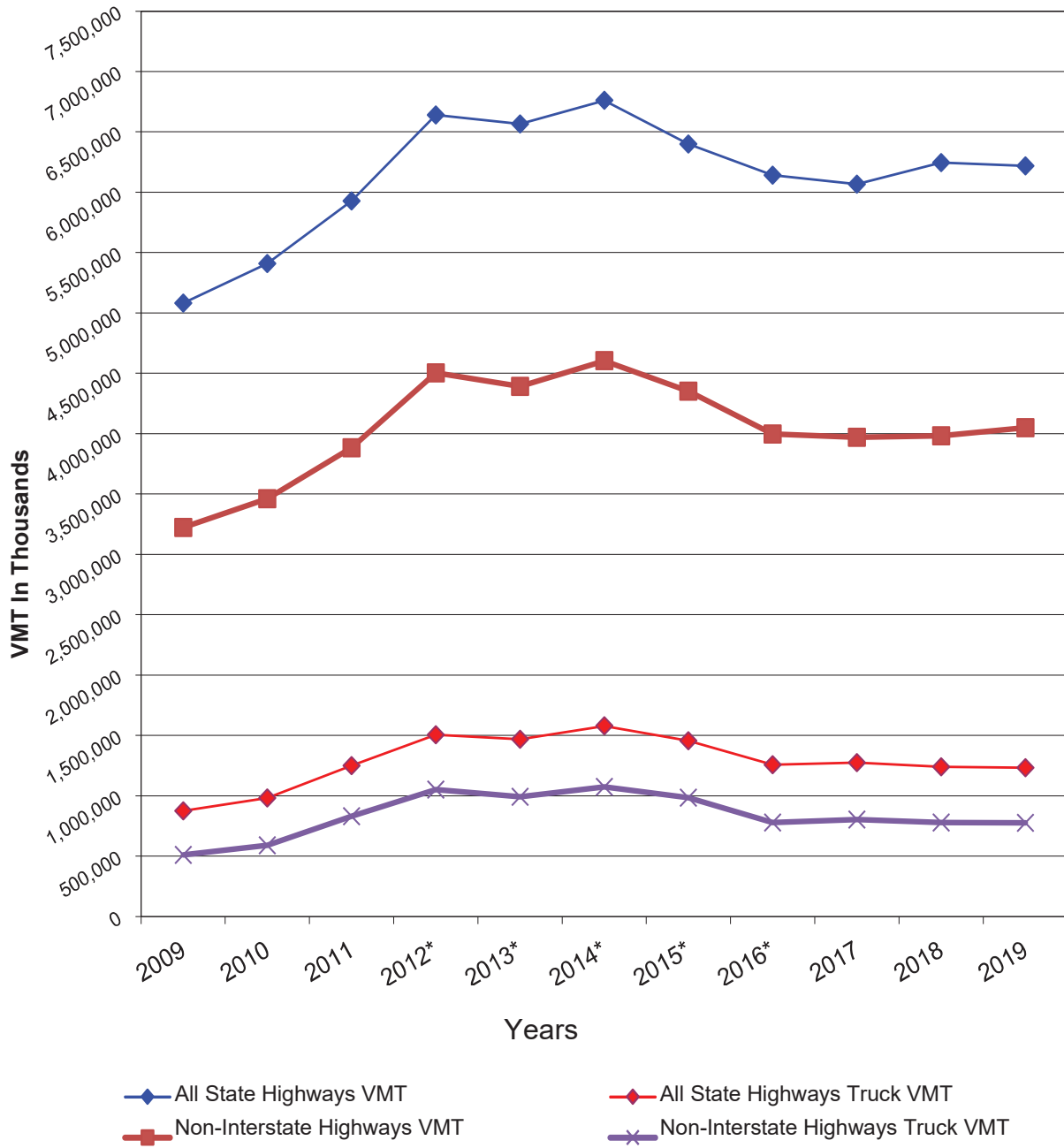
Years	Annual Daily VMT	Annual VMT	Annual Daily Truck VMT	Annual Truck VMT	% Total Trucks	% Combination Trucks
2003	8,063,953	2,919,301,755	1,210,348	429,910,205	15.01%	12.01%
2004	8,106,756	2,958,965,940	1,181,721	431,328,165	14.58%	11.58%
2005	8,161,190	2,978,834,350	1,154,376	421,347,240	14.14%	11.14%
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%
2019	11,909,717	4,048,111,705	2,122,462	774,698,630	17.82%	14.82%

*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

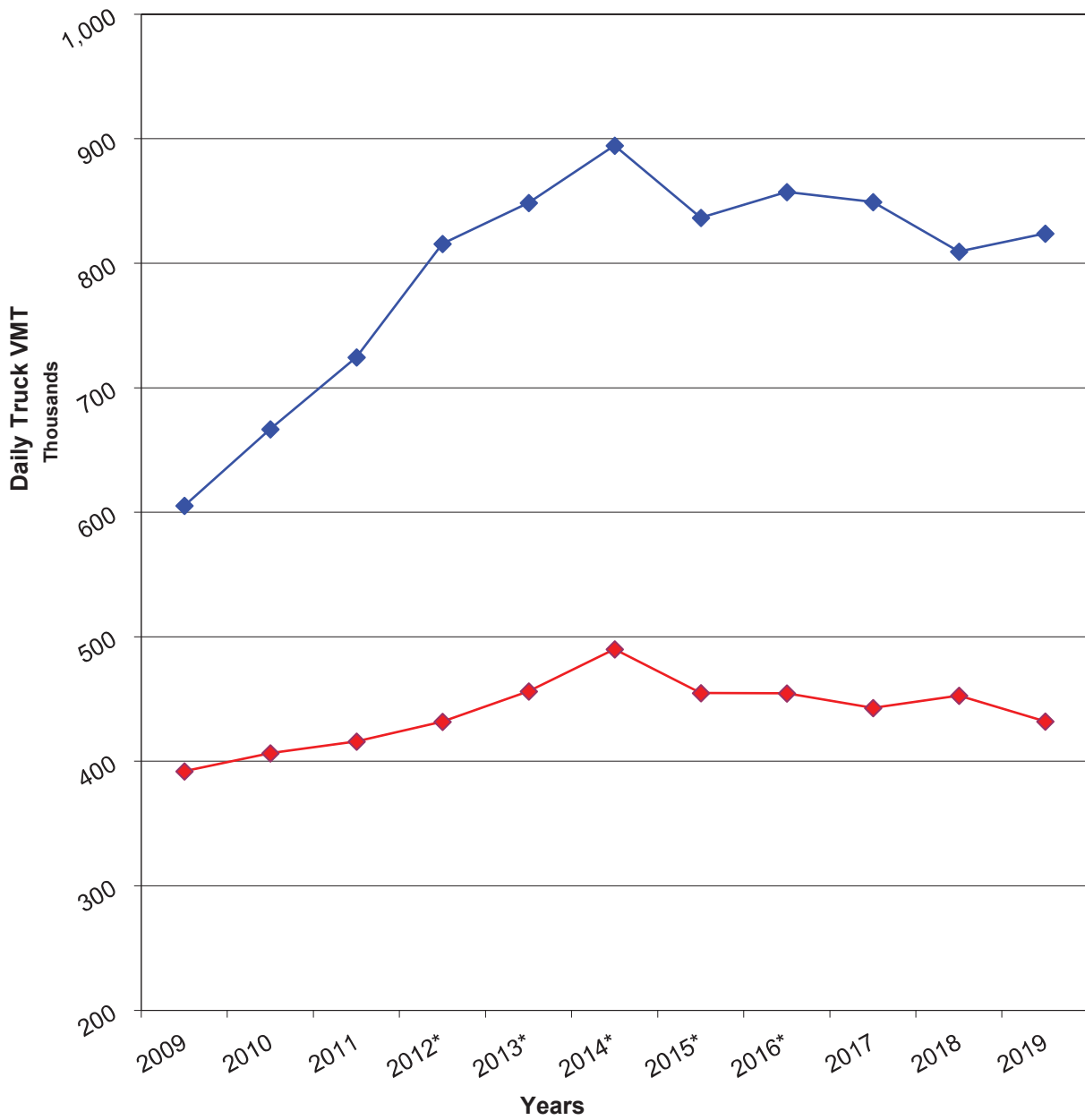
Years	Annual Daily VMT	Annual VMT	Annual Daily Truck VMT	Annual Truck VMT	% Total Trucks	% Combination Trucks
2002	2,635,093	961,808,945	524,858	191,573,170	19.92%	15.92%
2003	2,692,975	982,935,875	536,105	195,678,325	19.91%	15.91%
2004	2,860,897	1,044,227,405	563,806	205,789,190	19.71%	15.71%
2005	2,821,424	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%
2019	3,729,866	1,361,401,090	823,981	300,753,065	22.09%	18.09%

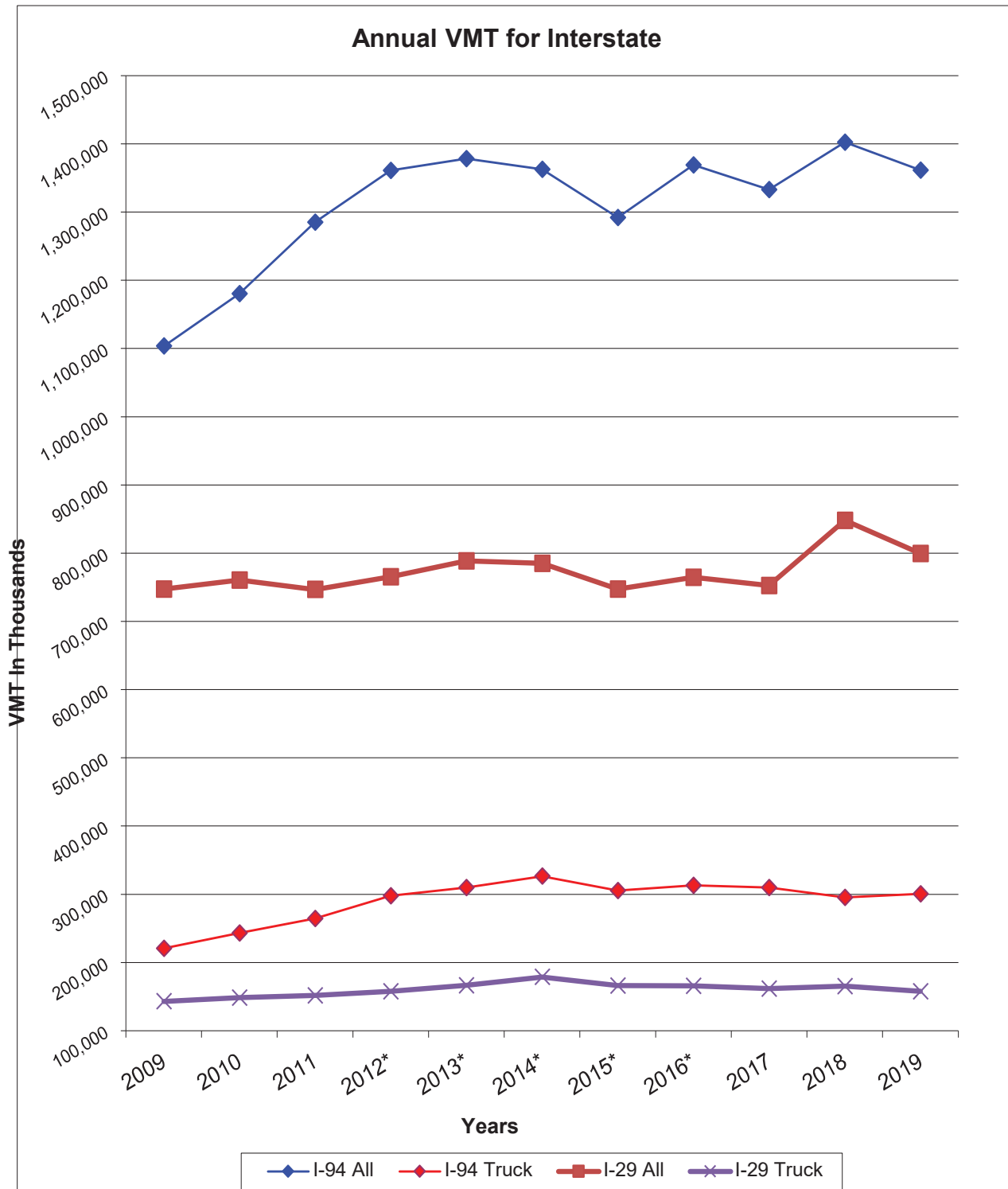
I-29

Years	Annual Daily VMT	Annual VMT	Annual Daily Truck VMT	Annual Truck VMT	% Total Trucks	% Combination Trucks
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%
2019	2,190,201	799,423,365	432,060	157,701,900	19.72%	16.72%

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

Annual Daily Truck VMT for Interstate

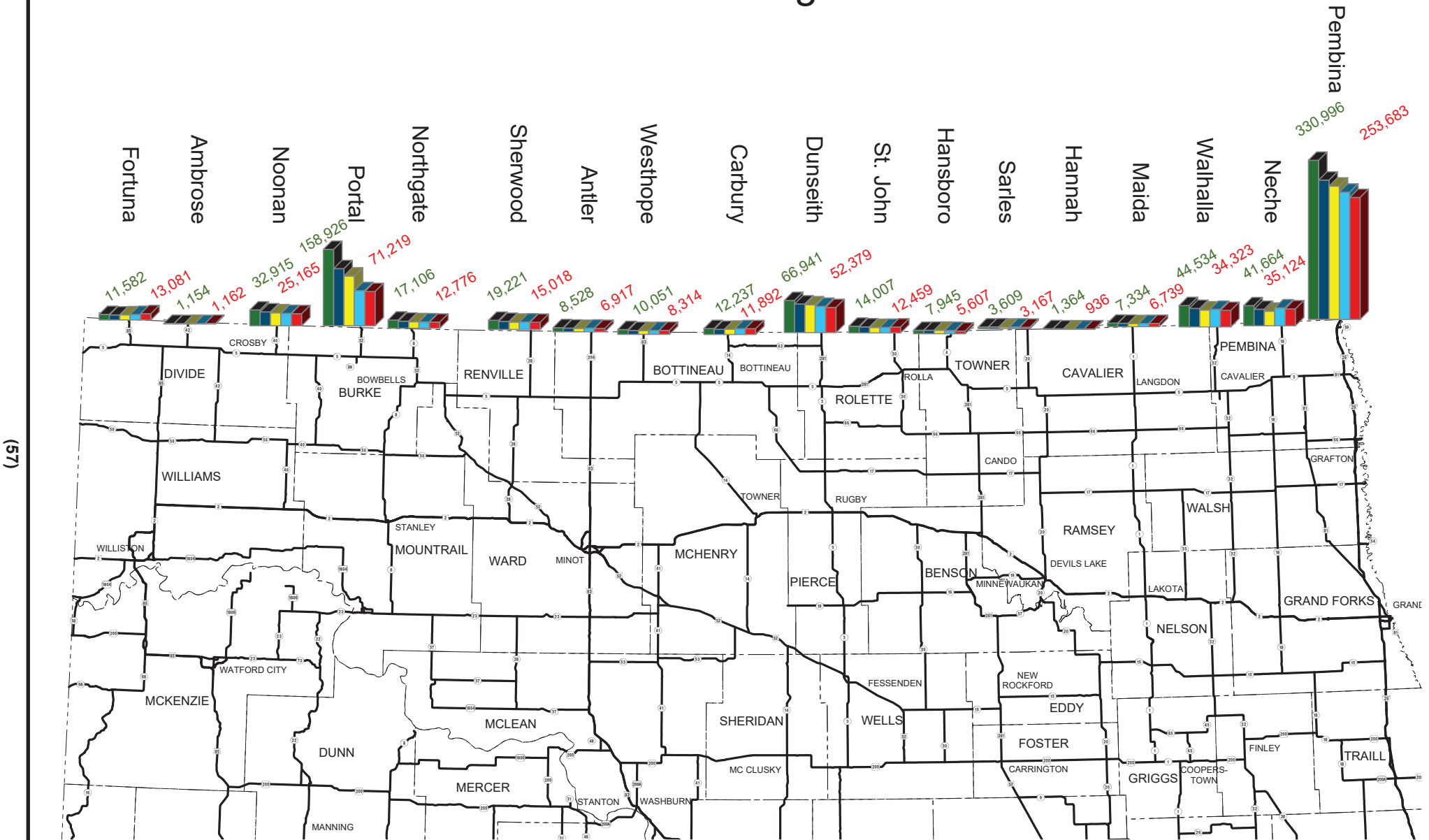




BORDER CROSSINGS
(VEHICLES ENTERING THE UNITED STATES FROM CANADA)

PORT OF ENTRY	HWY	----- AUTOMOBILES -----			----- TRUCKS -----		
		FISCAL 2018	FISCAL 2019	% CHANGE	FISCAL 2018	FISCAL 2019	% CHANGE
FORTUNA	85	11,402	13,081	14.73%	4,083	4,585	12.29%
AMBROSE	42	995	1,162	16.78%	157	79	-49.68%
NOONAN	40	25,683	25,165	-2.02%	2,439	3,154	29.32%
PORTAL	52	73,152	71,219	-2.64%	90,894	83,331	-8.32%
NORTHGATE	8	13,284	12,776	-3.82%	13,278	10,681	-19.56%
SHERWOOD	28	15,678	15,018	-4.21%	5,604	5,876	4.85%
ANTLER	256	7,628	6,917	-9.32%	3,023	2,104	-30.40%
WESTHOPE	83	8,146	8,314	2.06%	8,877	8,523	-3.99%
CARBURY	14	12,066	11,892	-1.44%	2,062	2,027	-1.70%
DUNSEITH	281	54,833	52,379	-4.48%	27,678	25,265	-8.72%
ST. JOHN	30	11,760	12,459	5.94%	738	1,190	61.25%
HANSBORO	4	6,765	5,607	-17.12%	162	178	9.88%
SARLES	20	3,592	3,167	-11.83%	659	665	0.91%
HANNAH	CMC 1013	1,031	936	-9.21%	79	109	37.97%
MAIDA	1	6,458	6,739	4.35%	1,495	1,204	-19.46%
WALHALLA	32	36,653	34,323	-6.36%	7,582	9,021	18.98%
NECHE	18	37,154	35,124	-5.46%	7,515	8,389	11.63%
PEMBINA	I-29	264,732	253,683	-4.17%	222,733	221,074	-0.74%
TOTAL		591,012	569,961	-3.56%	399,058	387,455	-2.91%

Total Auto Volume Entering from Canada



Bar Chart Years

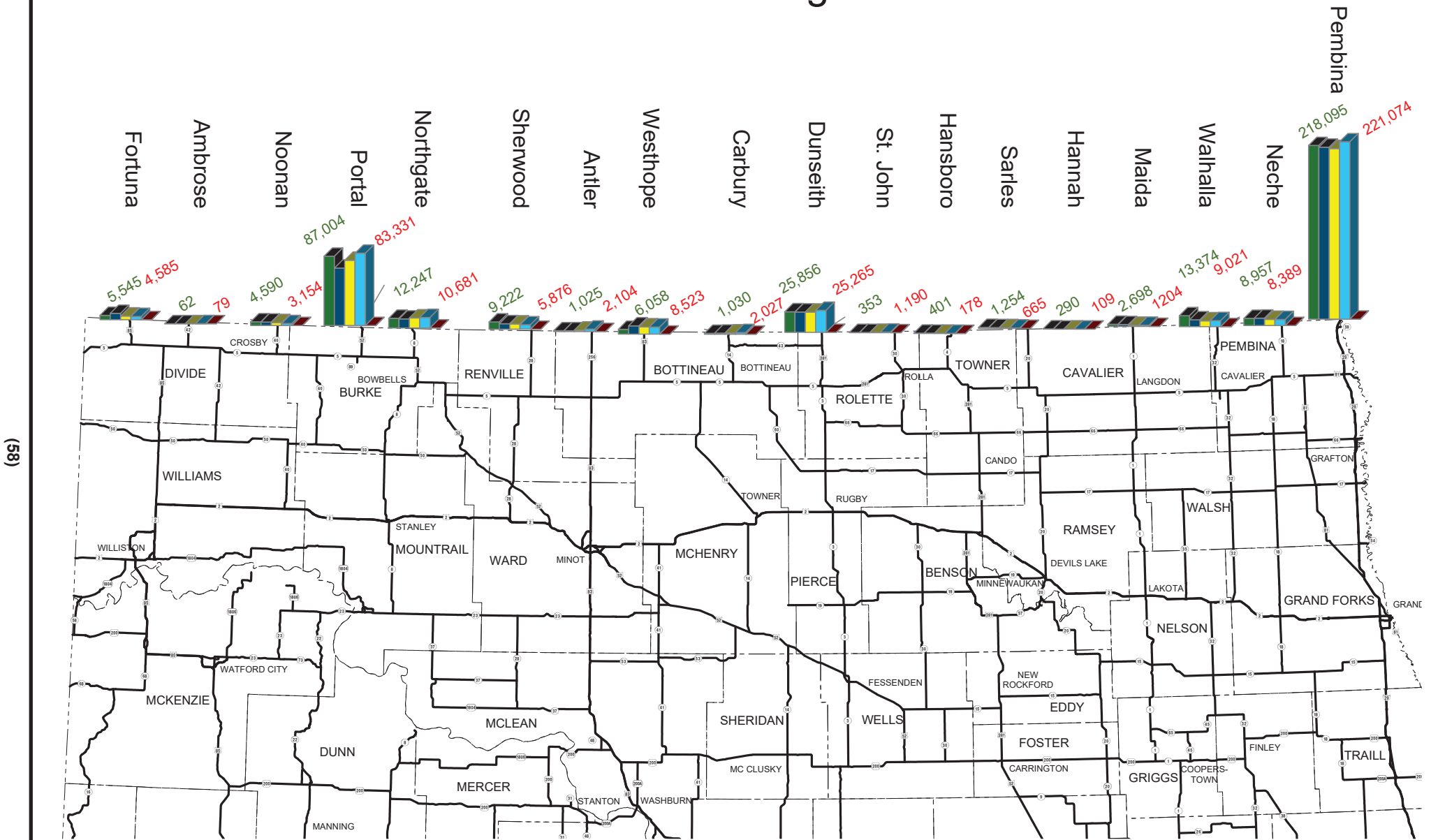


NOTE - The size of the bar chart corresponds to total autos by border crossing.
 - The numbers given above the charts are for the years 2015 (green) and 2019 (red).
 - This border crossing data is provided by the U.S. Department of Homeland Security.
 - The reporting period was for the 2018 fiscal year which ran from Oct. 1, 2018 to Sept. 30, 2019.



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Total Truck Volume Entering from Canada



(58)

Bar Chart Years

- 2015
- 2016
- 2017
- 2018
- 2019

NOTE - The size of the bar chart corresponds to total trucks by border crossing.
 - The numbers given above the charts are for the years 2015 (green) and 2019 (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, 2018 to Sept. 30, 2019.



Planning & Asset Management Division
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