

# **NORTH DAKOTA 2016 TRAFFIC REPORT**



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

**April 2017**

# **NORTH DAKOTA 2016 TRAFFIC REPORT**

**Prepared by  
NORTH DAKOTA DEPARTMENT OF TRANSPORTATION  
BISMARCK, NORTH DAKOTA  
[www.dot.nd.gov](http://www.dot.nd.gov)**

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**April 2017**

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## OVERVIEW

This report contains summaries of data obtained from studies conducted in 2016 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 74 ATR stations with their locations are presented on pages 8 and 9. The counter locations are shown on the map on page 10.
2. Short-term (48-hour) traffic counts were obtained with portable equipment. Short term counts were obtained at approximately 5000 locations on various highways, roads, and streets over the western and central thirds of the state along with all Interstates statewide.
3. Weigh-In-Motion (WIM) sensors continuously record the class and weight of trucks. A list of 16 WIM stations can be found on page 8 while their locations can be found on page 11.

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

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

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

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

## HISTORY OF TRAFFIC AND RELATED DATA

YEAR	POPULATION (1000'S)	VEHICLE REGISTRATIONS (1000'S) (REG.)	PERSONS PER VEHICLE REG.	GALLONS OF VEHICLE 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

## HISTORY OF TRAFFIC AND RELATED DATA

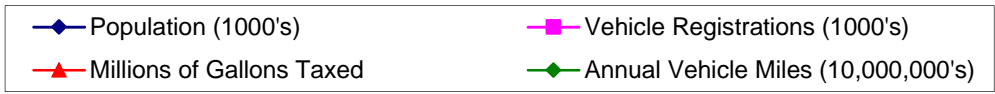
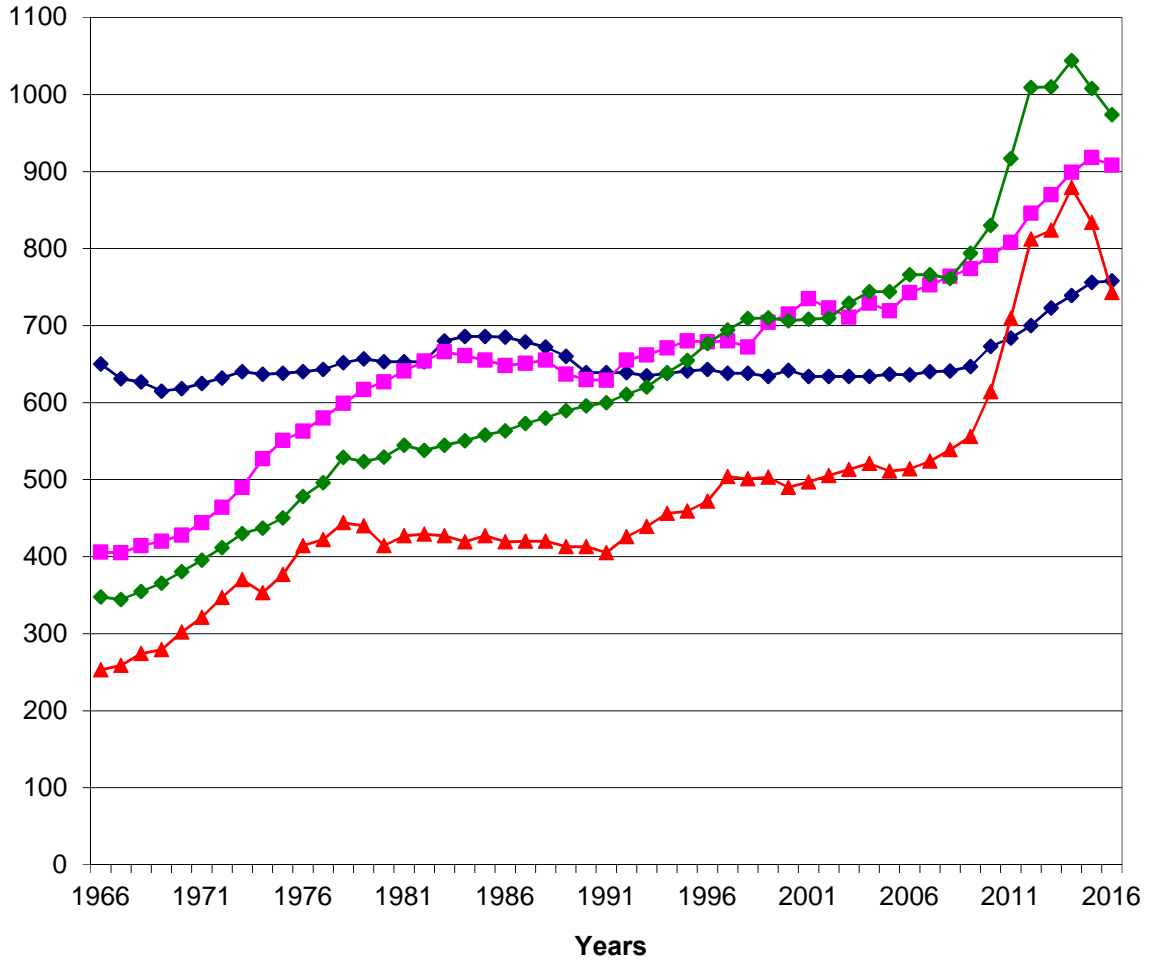
YEAR	POPULATION (1000'S)	VEHICLE REGISTRATIONS (REG.) (1000'S)	PERSONS PER VEHICLE REG.	GALLONS OF GAS AND FUEL TAXED (MILLIONS)	VEHICLE REG. PER 100 PERSONS	ANNUAL MILES PER VEHICLE	ANNUAL MILES TRAVELED PER CAPITA	ANNUAL VEHICLE MILES (MILLIONS)
1984	686	661	1.04	419	96.40	8,327	8,023	5,504
1985	686	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
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	743	119.79	10,727	12,850	9,740

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.

# Traffic and Related Trends

For the Years 1966 - 2016

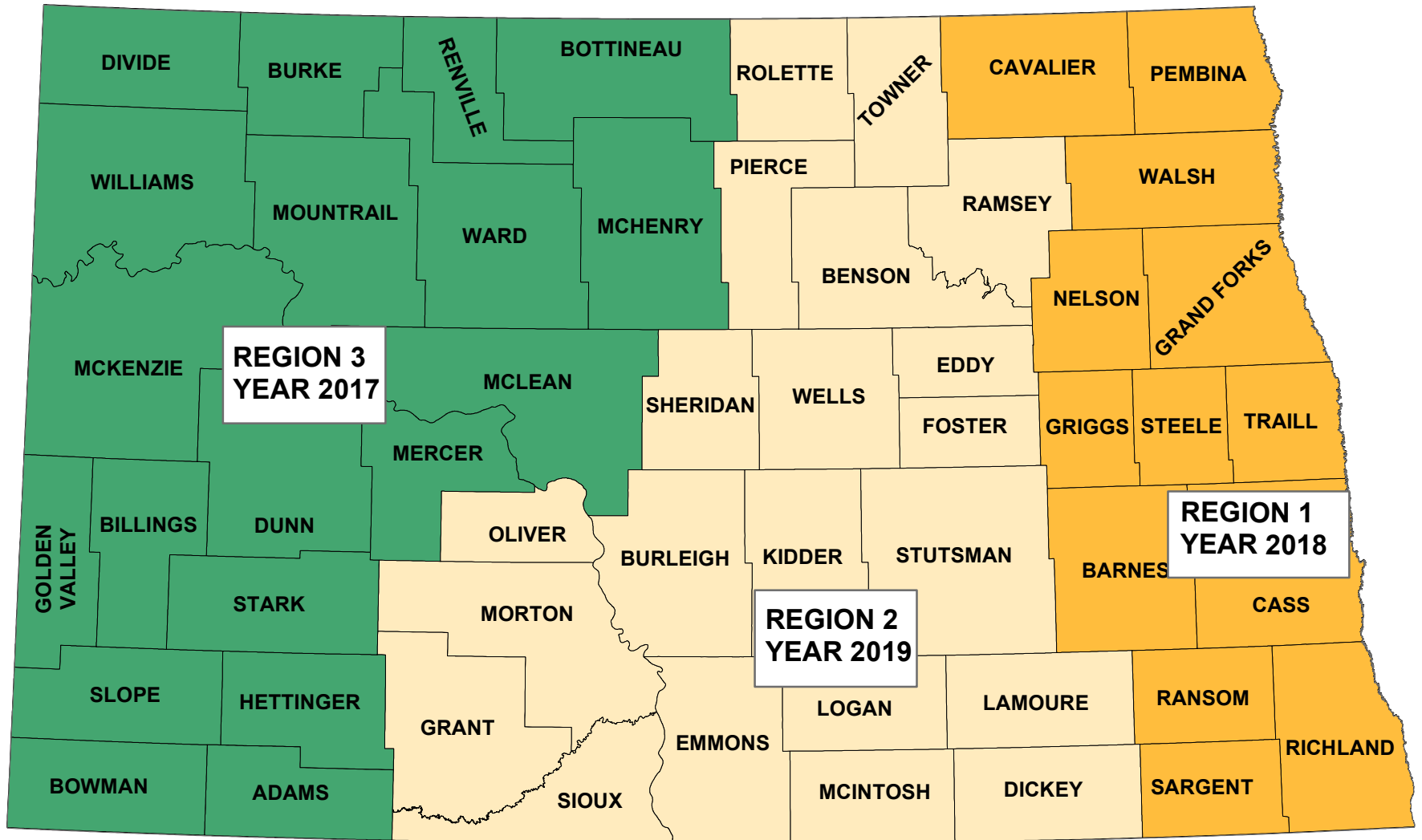


# North Dakota Department of Transportation Current Traffic Counting Cycle



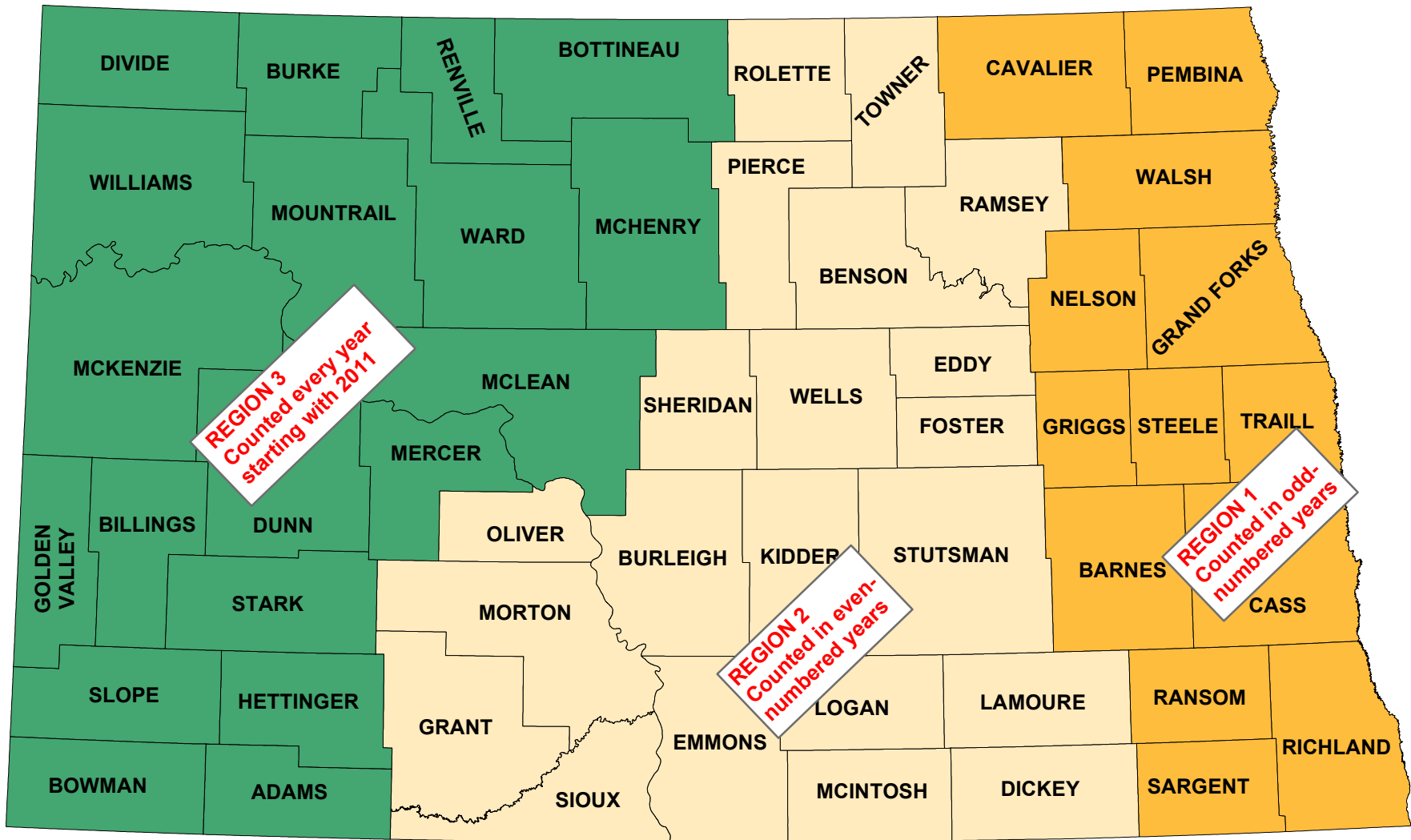
Region 3 and one other region per year were counted from 2012 to 2016.  
One region is counted per year starting in 2017. Region 3 is no longer counted every year.

(5)



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

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



Planning & Asset Management Division  
Traffic Data Section  
City Traffic Counts

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

\*Minot will not be counted in 2017.

**NORTH DAKOTA DEPARTMENT OF TRANSPORTATION  
ATR LOCATIONS**

WIM locations are highlighted yellow

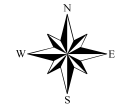
STATION	NAME	HIGHWAY	REF POINT	OFF SET	TYPE	LOCATION
<b>URBAN INTERSTATE 94</b>						
7	WEST FARGO	94	347.000	0.5200	Weight	I-94 WEST OF 45 STREET
217	FARGO (U)	94	352.000	0.3327	Class	RED RIVER BRIDGE
283	BISMARCK (U)	94	158.000	0.8538	Class	0.4 MILES WEST OF US 83 INT.
<b>RURAL INTERSTATE 94</b>						
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.
<b>URBAN INTERSTATE 29</b>						
235	FARGO (U)	29	66.255	0.5725	Class	NORTH OF 12TH AVE.
<b>RURAL INTERSTATE 29</b>						
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
<b>RURAL PRINCIPAL ARTERIAL</b>						
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	Volume	4.0 MILES EAST OF COOPERSTOWN
233	FOXHOLM	52	78.000	0.2600	Class	1.5 MILES SOUTHEAST OF FOXHOLM
237	NEKOMA	1	205.000	0.2195	Class	8.5 MILES SOUTH LANGDON
239	NEW TOWN	23	42.000	0.8986	Class	4.7 MILES EAST OF ND 22
241	BOTTINEAU	5	173.000	0.9523	Class	0.2 MILES WEST OF ND 14
251	HAGUE	83	1.000	0.1144	Class	1.1 MILES NORTH OF SOUTH DAKOTA LINE
253	RUGBY	2	207.000	0.3265	Class	3.5 MILES WEST OF ND 3
255	CROSBY	5	28.000	0.7521	Class	6.0 MILES WEST OF CROSBY
257	WILLISTON	2	2.000	0.3979	Class	2.4 MILES EAST OF MONTANA LINE
261	CARRINGTON	281	117.000	0.9013	Class	5.5 MILES NORTH OF JUNCTION WITH HWY 200
271	GOLDEN VALLEY	200	131.000	0.0000	Class	0.7 MILES EAST OF GOLDEN VALLEY
273	NEW LEIPZIG	21	67.000	0.5500	Class	2.1 MILES WEST OF ND 49
281	SAWYER	52	102.000	0.7136	Class	WEST OF SAWYER
297	WILLISTON_NW	85	193.000	0.7000	Class	NW WILLISTON TRUCK RELIEVER ROUTE
303	MICHIGAN	2	296.000	0.6500	Class	4.0 MILES EAST OF ND 1
307	WASHBURN	83	130.000	0.7300	Class	NORTH OF WASHBURN



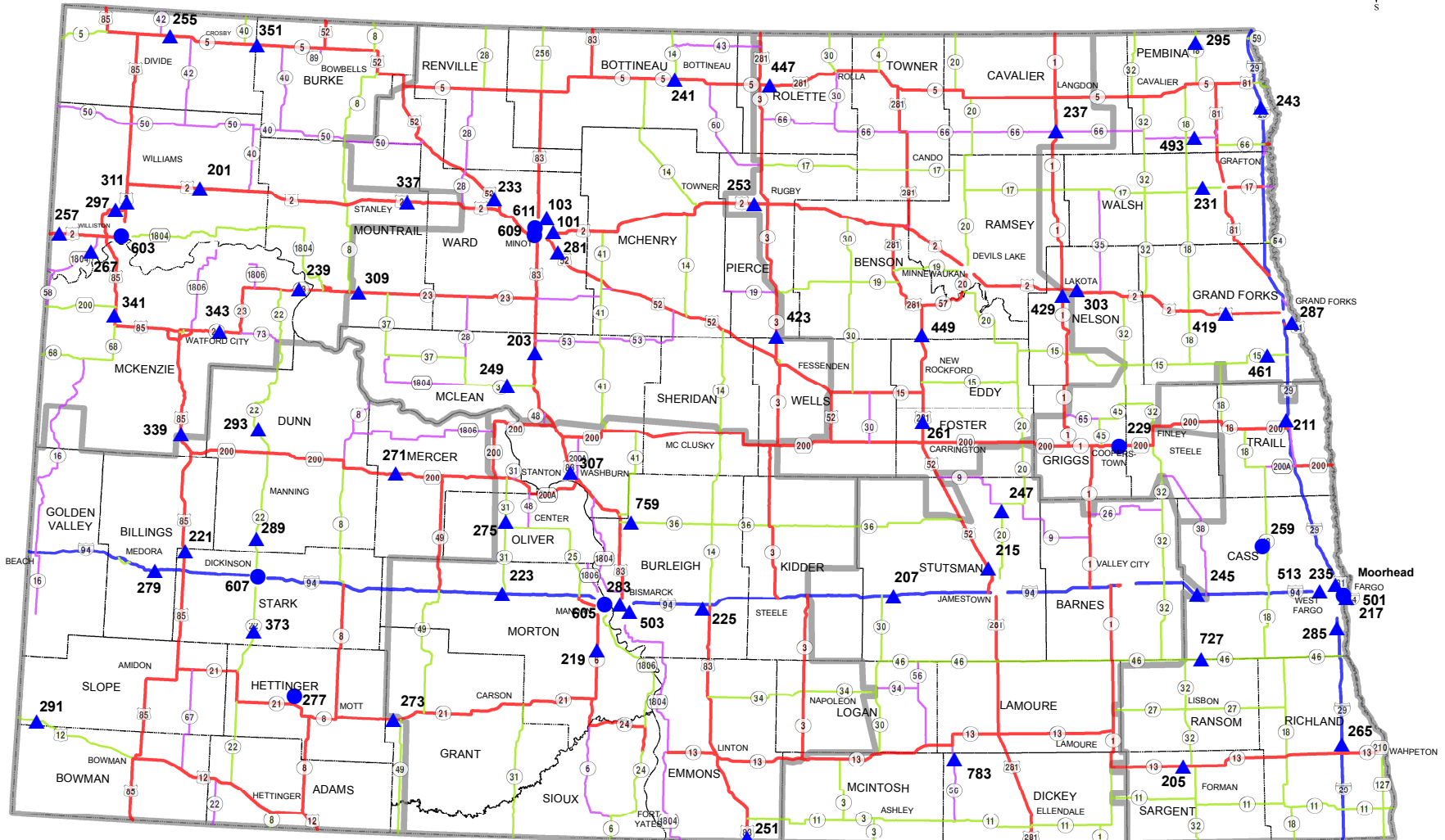
**NORTH DAKOTA DEPARTMENT OF TRANSPORTATION  
ATR LOCATIONS**

<b>STATION</b>	<b>NAME</b>	<b>HIGHWAY</b>	<b>REF POINT</b>	<b>OFF SET</b>	<b>TYPE</b>	<b>LOCATION</b>
<b>RURAL PRINCIPAL ARTERIAL</b>						
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
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
351	COLUMBUS_W5	5	52.000	0.2000	Class	3.2 MILES EAST OF NOONAN
419	EMERADO_W2	2	340.000	0.5000	Class	2.5 MILES WEST OF EMERADO
423	HARVEY_N3___	3	165.000	0.5600	Class	5.6 MILES NORTH OF HARVEY
429	LAKOTA_S1___	1	160.000	0.3800	Class	1.6 MILES SOUTH OF LAKOTA
447	DUNSEITH_E__	281	250.000	0.2700	Class	2.95 MILES EAST OF DUNSEITH
449	SHEYENNE_N__	281	141.000	0.4800	Class	2.5 MILES NORTH OF SHEYENNE
<b>RURAL MINOR ARTERIAL</b>						
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
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	0.2400	Class	2.3 MILES SE OF WILTON
<b>RURAL MAJOR COLLECTOR-STATE</b>						
267	TRENTON	1804	329.000	0.8846	Class	1.5 MILES NORTHEAST OF TRENTON
493	ST_THOMAS_W_	66	117.000	0.5000	Class	5.8 MILES WEST OF ST. THOMAS
783	KULM_S56____	56	16.000	0.5800	Class	2.7 MILES SOUTH OF KULM
<b>RURAL MAJOR COLLECTOR-COUNTY</b>						
101	MINOT55ST_NE	5145C	0.000	0.3000	Class	CMC 5145 - 0.3 MILES NORTH OF US2
103	MINOT46AV_NE	5138C	8.000	0.2000	Class	CMC 5138 - 2.1 MILES EAST OF US 83
225	STERLING	836C	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
<b>URBAN PRINCIPAL ARTERIAL</b>						
287	GRAND FORKS	81B	942.000	0.4092	Class	S. WASHINGTON BETWEEN 24 AND 28 AVE. S.
501	FARGO (U)	81B	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)	10B	933.000	0.4400	Class	MAIN ST. WEST OF 15TH ST NW
603	WILLISTON (U)	2B	900.000	0.6627	Volume	2ND ST. WEST OF 14TH AVE. WEST
605	MANDAN (U)	94B	917.043	0.0939	Volume	EAST MAIN ST. WEST OF TWIN CITY DRIVE
<b>URBAN MINOR ARTERIAL</b>						
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.
<b>URBAN COLLECTOR AND LOCAL URBAN</b>						
609	MINOT (U)				Volume	16TH AVE BET. 12TH ST SW. & 17TH AVE. SW.

# Automatic Traffic Recorder (ATR) Locations



(10)

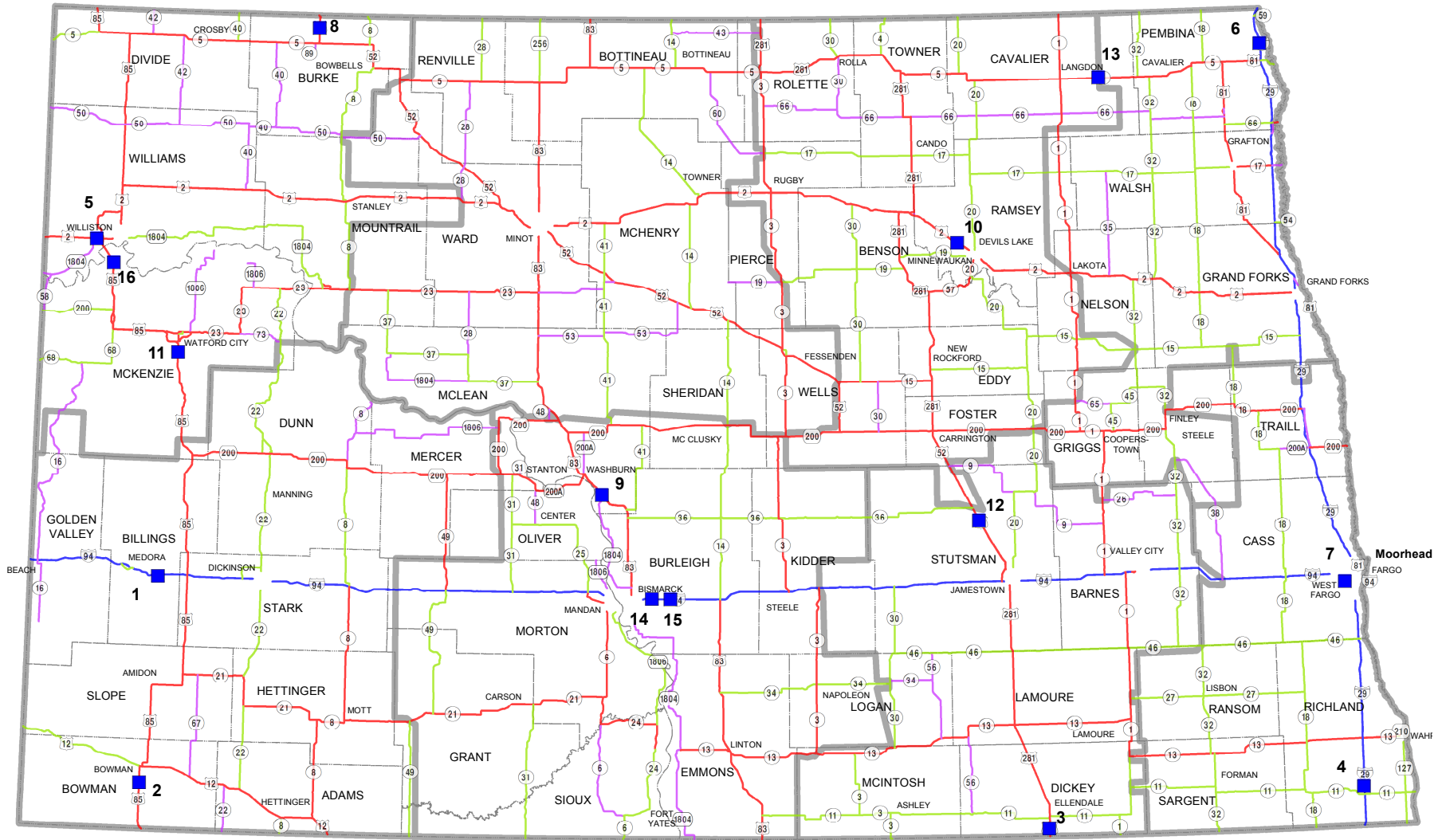


Station Type	Functional Class	Number of ATR Stations
▲ Class	— Interstate Rural	8 Rural Interstate
● Volume	— Principal Arterial Rural	34 Rural Principal Arterial
	— Minor Arterial Rural	12 Rural Minor Arterial
	— Major Collector	8 Rural Major Collector
		3 Urban Interstate
		6 Urban Principal Arterial
		2 Urban Minor Arterial
		1 Urban Collector

Planning & Asset Management Division  
 Traffic Data Section  
 January 2016

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# Weigh - In - Motion Locations



(11)

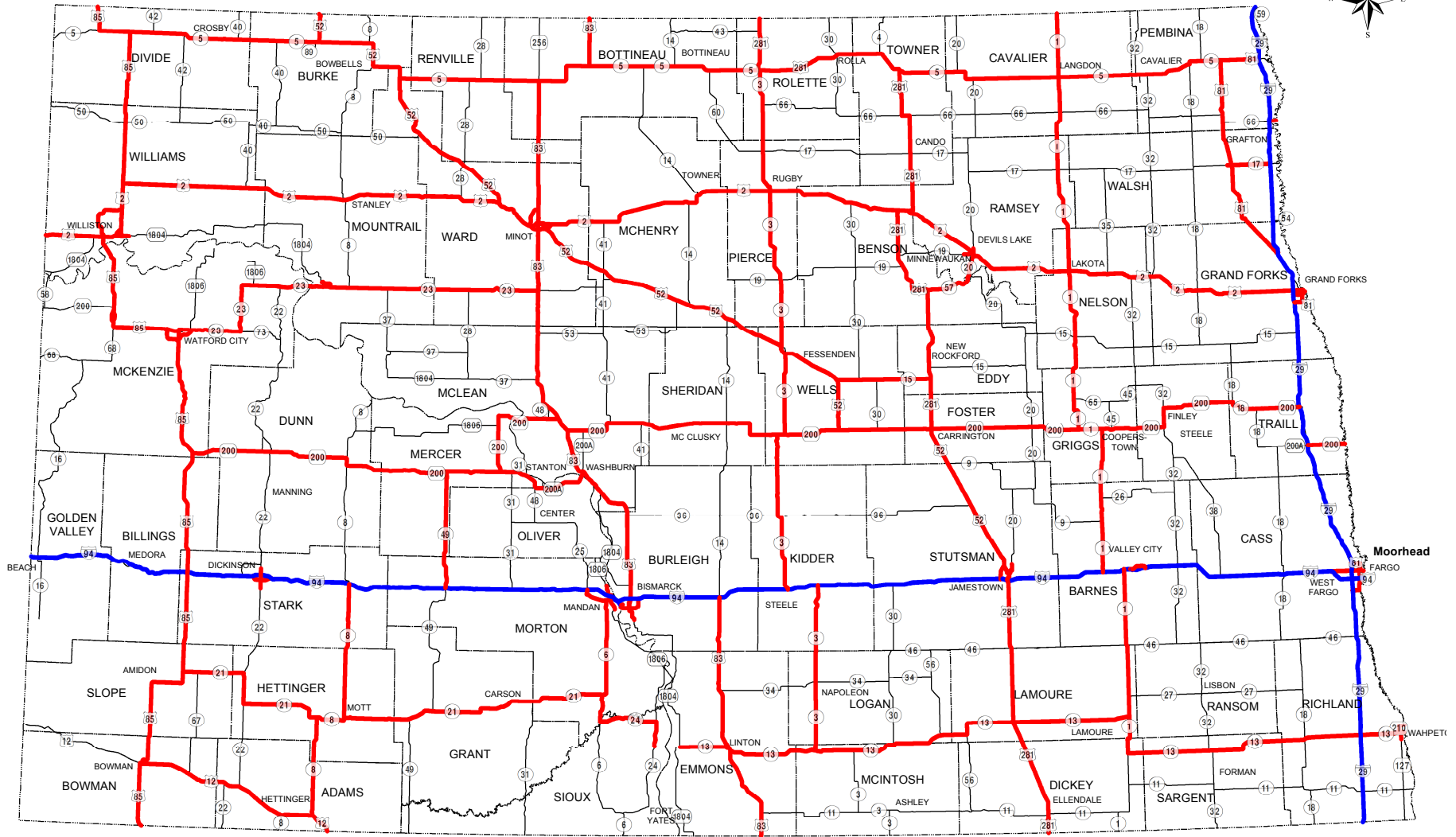
## ■ WIM Sites

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

Planning & Asset Management Division  
Traffic Data Section  
January 2017

File pathway: F:\PLANNING\NREIS\shjeflo\Reports\Annual 2016\ArcMap\WIM Locations 2016.mxd

# National Highway System Mileage



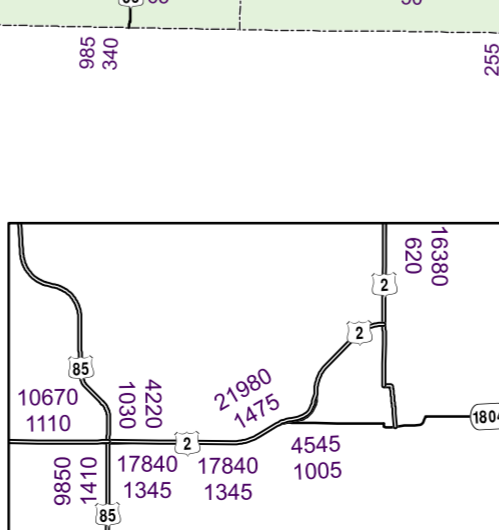
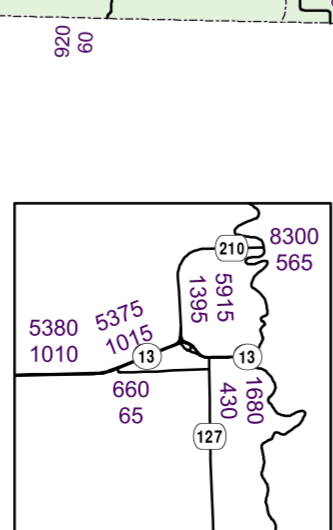
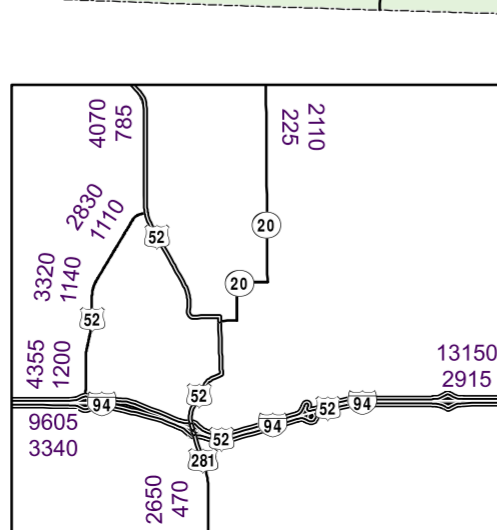
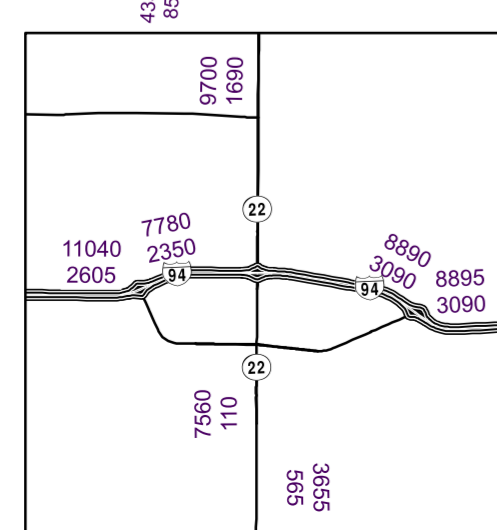
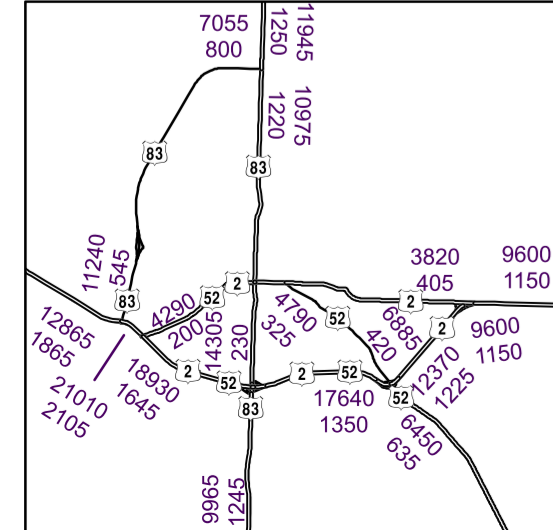
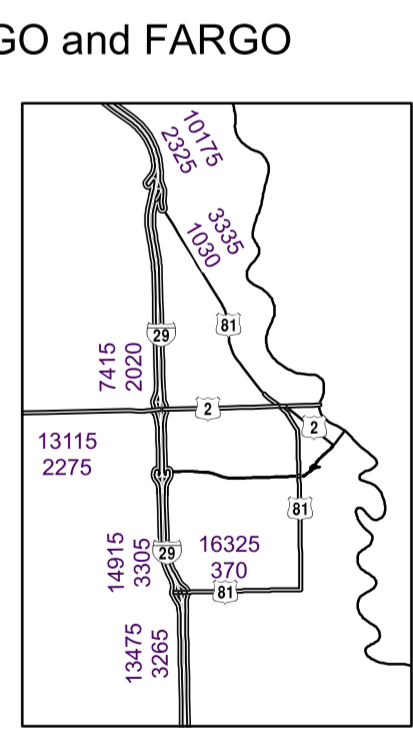
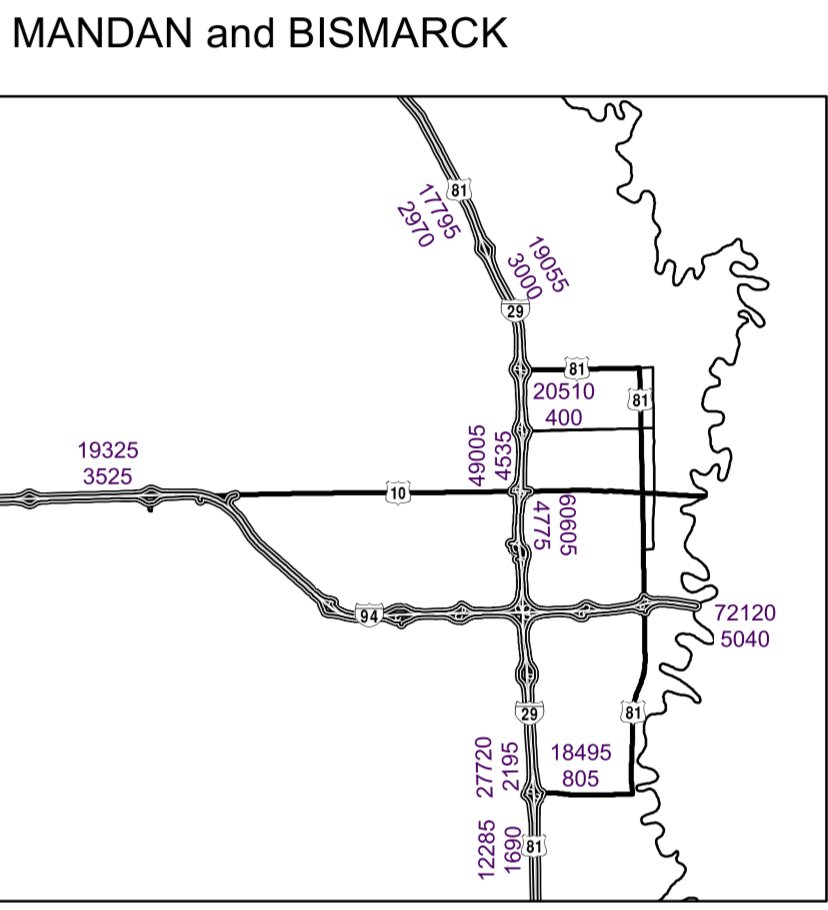
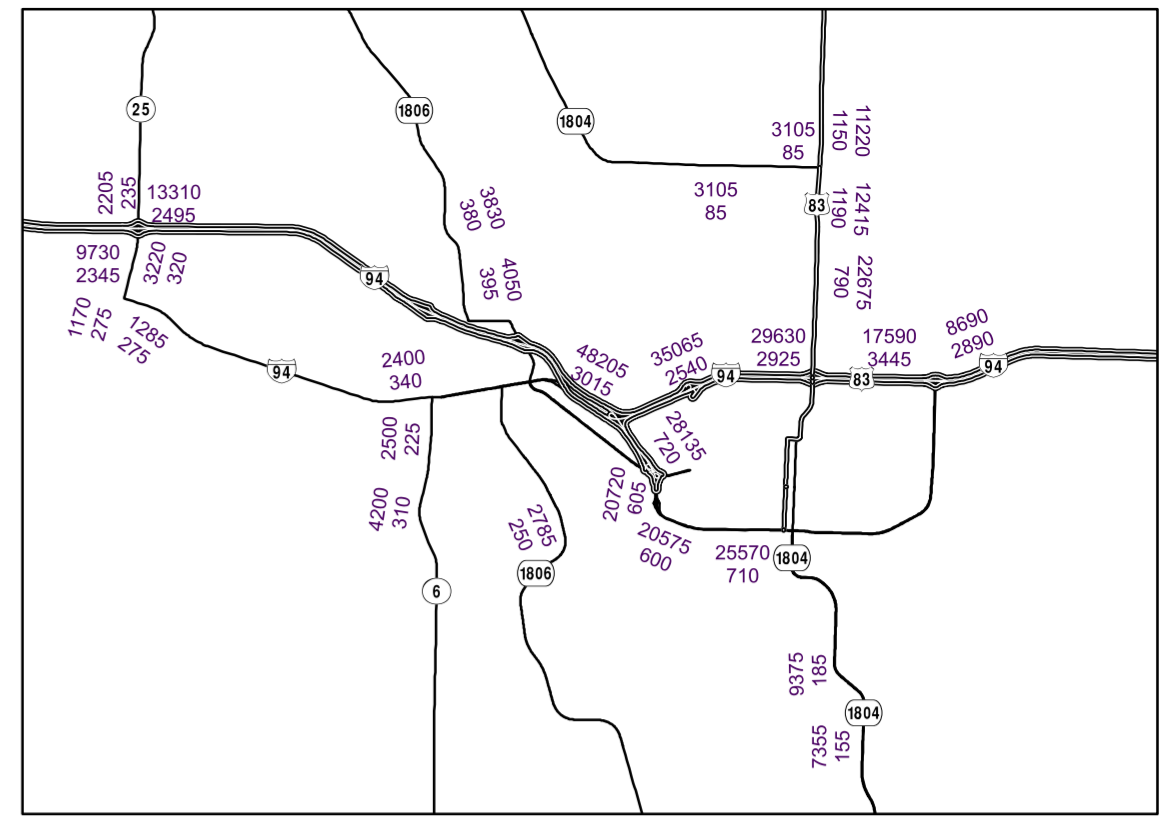
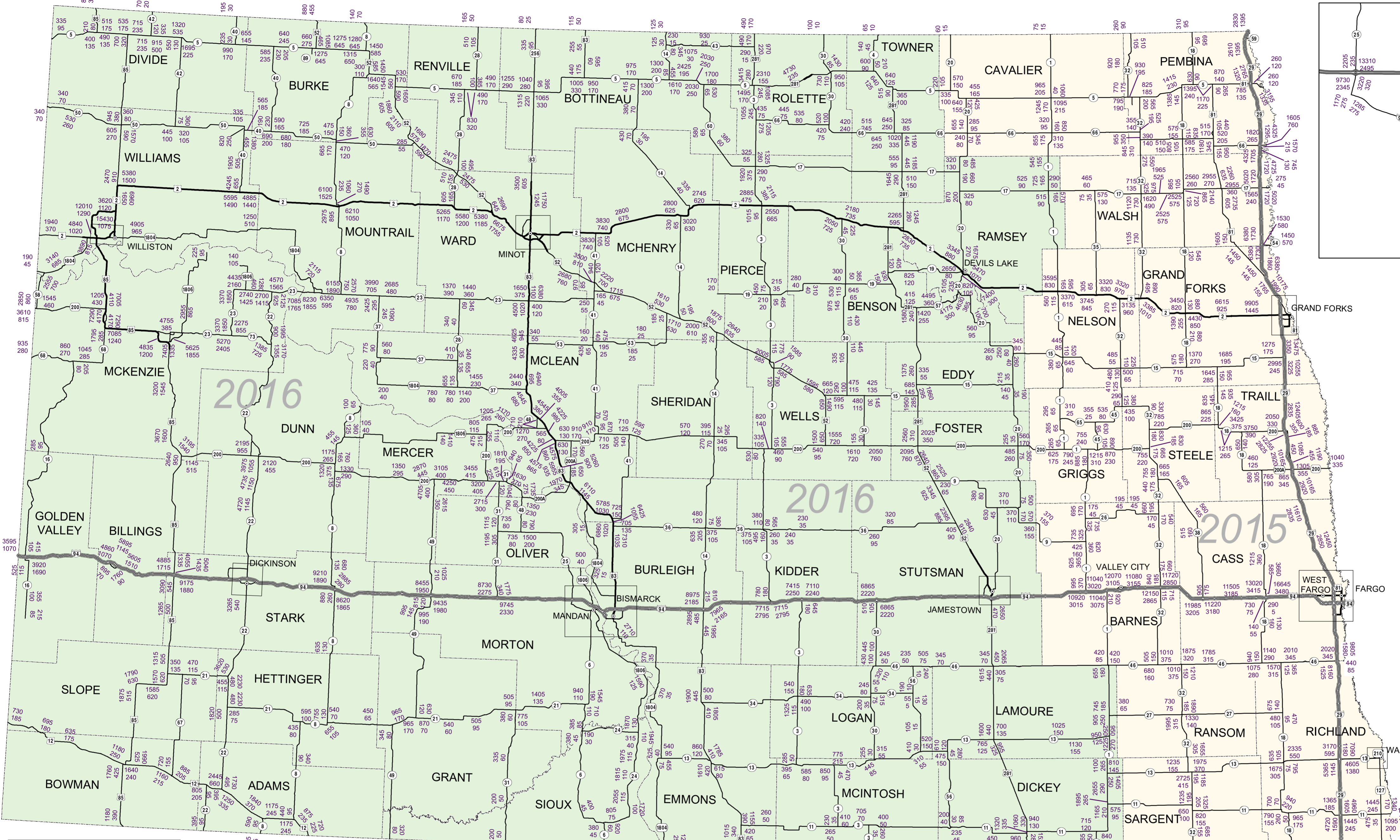
(12)

## NHS Mileage

<span style="color: blue;">—</span> Interstate Rural	516.4
<span style="color: blue;">—</span> Interstate Urban	54.6
Total	571.0
<span style="color: red;">—</span> Principal Arterial Rural	2965.1
<span style="color: red;">—</span> Principal Arterial Urban	137.0
Total	3102.1
Total NHS	3728.1

Planning & Asset Management Division  
Traffic Data Section  
December 2016



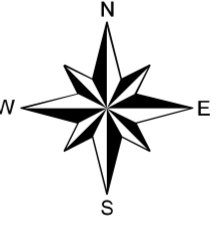


- LEGEND**
- INTERSTATE NUMBERED HIGHWAY
  - US NUMBERED HIGHWAY
  - STATE NUMBERED HIGHWAY
  - COUNTY LINE

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

**Notice of Disclaimer**  
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**2016**  
**TRAFFIC VOLUME MAP**  
**STATE OF**  
**NORTH DAKOTA**

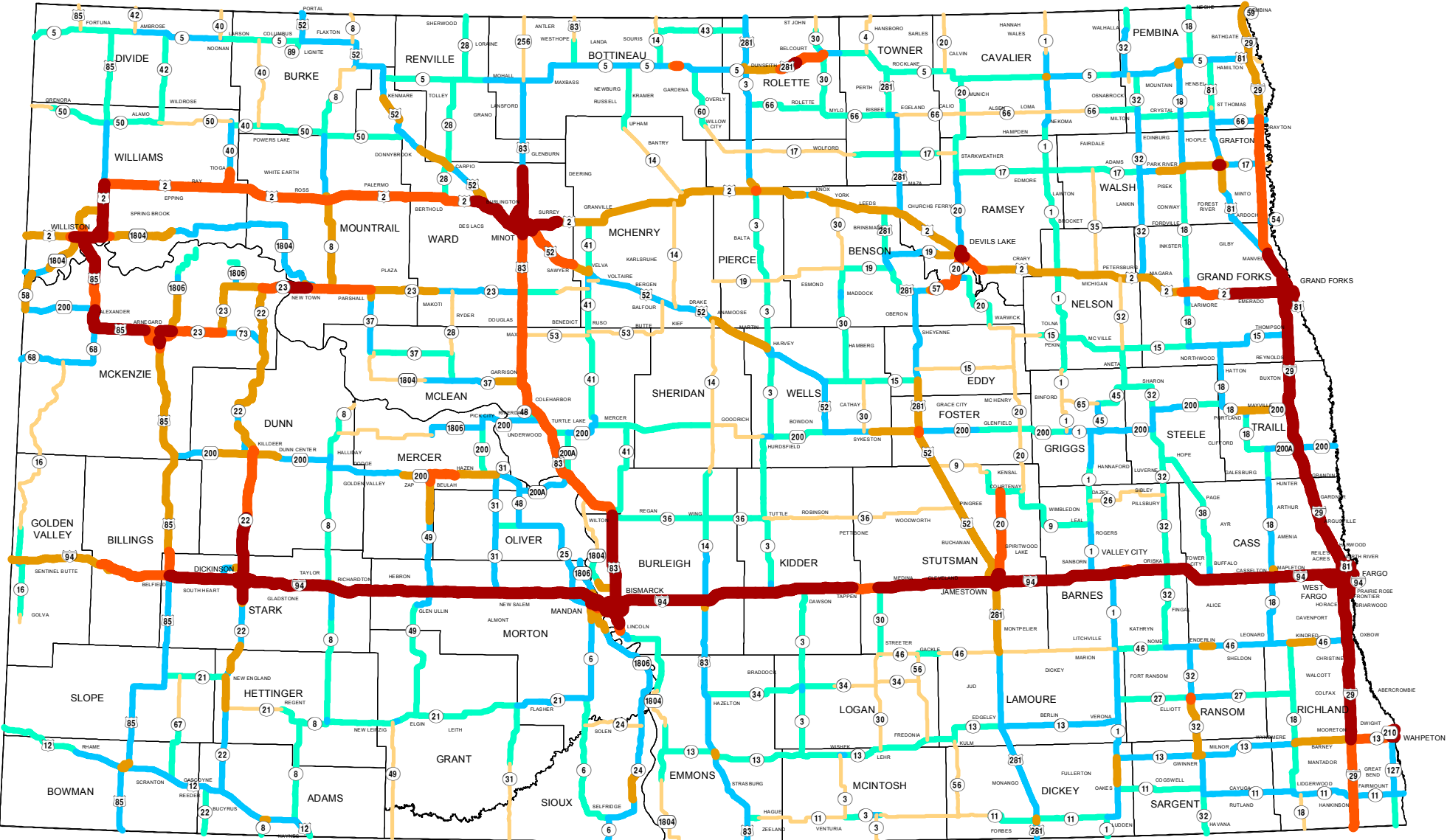
PREPARED BY THE  
 NORTH DAKOTA DEPARTMENT OF TRANSPORTATION  
 PLANNING / ASSET MANAGEMENT DIVISION  
 IN COOPERATION WITH THE  
 U.S. DEPARTMENT OF TRANSPORTATION  
 FEDERAL HIGHWAY ADMINISTRATION

**2016** - YEAR COUNTED

UNIVERSAL TRANSVERSE MERCATOR ZONE 14, NORTH AMERICAN DATUM 83



# Annual Average Daily Traffic (2016)



(14)

Notes: - Data from 2016 highway components segments.  
 - The AADT for longer sections are an average of the traffic segments.  
 - Data for the four lane roadways is combined for both directions (either north and south or east and west).

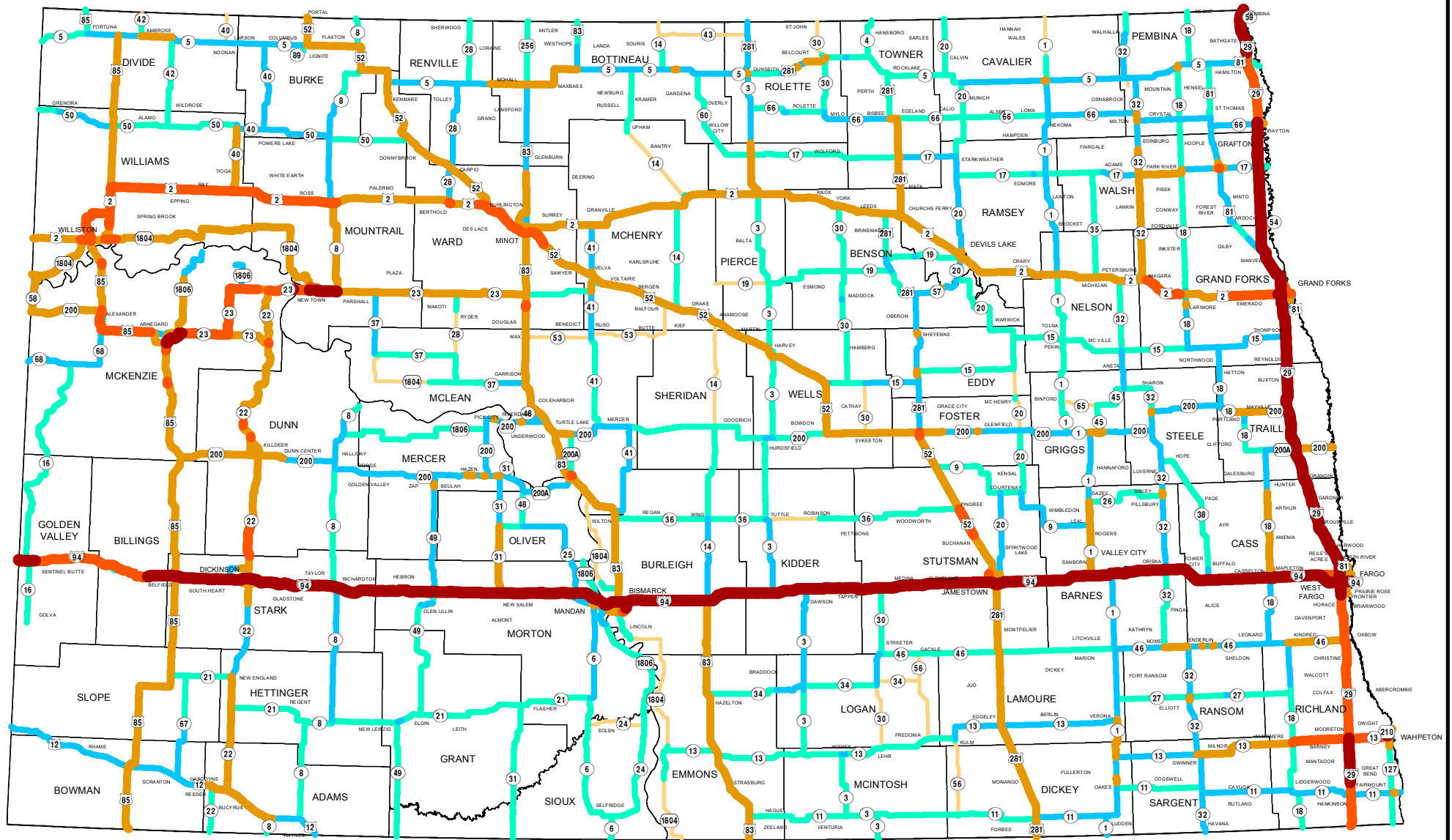
## Annual Average Daily Traffic

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

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 December 2016



# Equivalent Single Axle Loads (ESALs) 2016



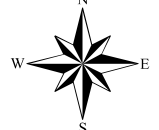
(16)

Notes: - Data from 2016 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



Planning & Asset Management Division  
 Traffic Data Section  
 December 2016

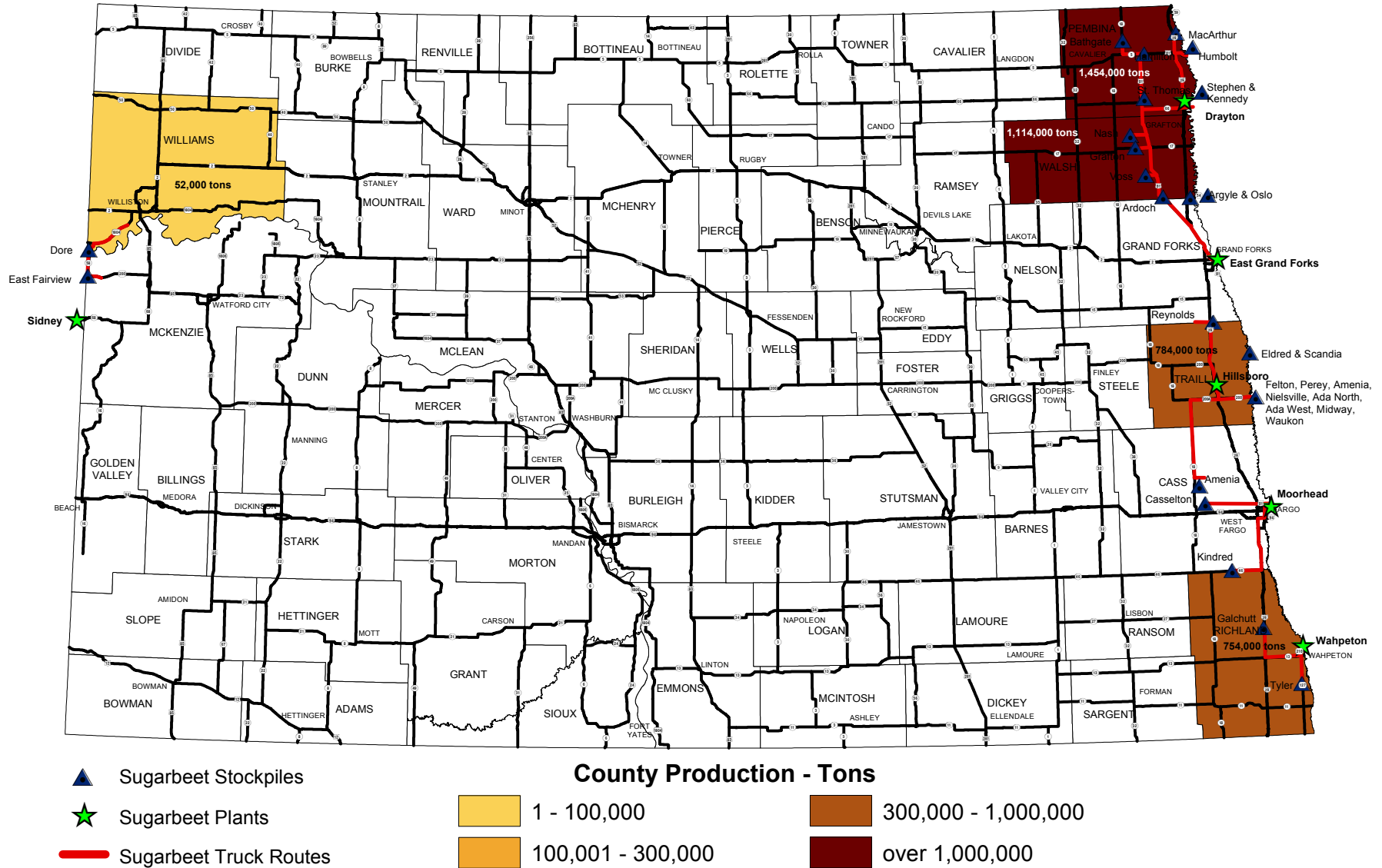




# Sugarbeet Production and Truck Routes

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

Individual production figures for each county are provided on the map



(17)

Data is from the USDA, National Agricultural Statistics Service.  
 County production totals are for the 2015 production year because 2016 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 4,717,000 tons.



Planning & Asset Management Division  
 Traffic Data Section  
 December 2016

**PERMANENT STATION COMPARISON OF AADT BY YEAR**

STATION NUMBER	LOCATION	1996	1998	2000	2002	2004	2006	2008	2010	2012	2013	2014	2015	2016	% CHANGE 2016/2015	% CHANGE 2016/2006	% CHANGE 2016/1996
URBAN INTERSTATE 94																	
217	FARGO (U)	45384	49528	49794	54812	61932	61479	63417	64983	67708	65677	70183	73191	72116	-1.5%	17.3%	58.9%
283	BISMARCK (U)		16606	17656	17396	18782	21507	22085	23727	25722	26937	27738	28891	29629	2.6%	37.8%	--
	MEAN	45384	33067	33725	36104	40357	41493	42751	44355	46715	46307	48961	51041	50873	0.5%	27.5%	58.9%
RURAL INTERSTATE 94																	
207	MEDINA	5652	6390	6528	6900	6810	6706	6595	7478	8652	8593	8598	8825	8732	-1.1%	30.2%	54.5%
223	NEW SALEM	5220			5968	6088	6116	6195	7000	8638	8731	9320	9831	8726	-11.2%	42.7%	67.2%
245	TOWER CITY	7520	8066	8370	8292	9266	9173	9340	10464	11453	11671	12178	12132	11985	-1.2%	30.7%	59.4%
279	PAINTED CANYON	3156	3370	3528	3726	3596	3668	3554	3893	4815	4851	5067	5760	3865	-32.9%	5.4%	22.5%
	MEAN	5387	5942	6142	6222	6440	6416	6421	7209	8390	8462	8791	9137	8327	-11.6%	27.2%	50.9%
URBAN INTERSTATE 29																	
235	FARGO (U)	23120	25860		22070	24808	25790	27503	35153	30814	31522	31177	32532	33593	3.3%	30.3%	45.3%
	MEAN	23120	25860		22070	24808	25790	27503	35153	30814	31522	31177	32532	33593	3.3%	30.3%	45.3%
RURAL INTERSTATE 29																	
211	BUXTON	9954	9018	9144	9862	10526	10532	10630	11278	11752	11760	12062	12239	12405	1.4%	17.8%	24.6%
243	BOWESMONT	2506	2872	2860	2806	2980	3146	3559	3626	3775	3759	3776	3332	3248	-2.5%	3.2%	29.6%
265	MOORETON	4502	5044	5130	5294	5914	5940	5823	6385	6422	6572	6807	7002	7092	1.3%	19.4%	57.5%
285	DAVENPORT				8920	10098	10151	9777	10901	11056	11118	11276	11567	11888	2.8%	17.1%	--
	MEAN	5654	5645	5711	6721	7380	7442	7447	8048	8251	8302	8480	8535	8658	0.7%	14.4%	37.3%
RURAL PRINCIPAL ARTERIAL																	
201	RAY	1534	1570	1618	1678	1660	1873	2678	4367	9307	7863	8665	6980	5103	-26.9%	172.5%	232.7%
203	MAX	3108	3130	3366	3532	3600	3612	3702	5003	5516	5402	5529	5345	5026	-6.0%	39.1%	61.7%
205	GWINNER	994	1026	1146	1118	1266	1255	1109	1216	1189	1096	1203	1227	1176	-4.2%	-6.3%	18.3%
209	MINOT	9932	9204												--	--	--
213	LAKOTA	3160	3212												--	--	--
215	JAMESTOWN	2736		2740	2738	2660	2716	2845	3170	3482	3543	3695	3636	3518	-3.2%	29.5%	28.6%
219	MANDAN	1248	1450	1494	1536	1538	1518	1471	1615	1621	1620	1668	1799	2332	29.6%	53.6%	86.9%
221	FAIRFIELD	1406	1356	1370	1408	1436	1649	1808	2120	4595	4747	4672	4183	3235	-22.7%	96.2%	130.1%
227	VERONA	768													--	--	--
229	COOPERSTOWN	822	960		894	896	827	845	927	921	884	880	872	855	-1.9%	3.4%	4.0%
233	FOXHOLM	1952	1926	1832	1894	1870	1899	2177	2491	3075	2992	2930	2596	2376	-8.5%	25.1%	21.7%
237	NEKOMA	668	694		760	754	686	785	814	782	822	868	871	869	-0.2%	26.7%	30.1%
239	NEW TOWN	1374	1382	1520	1606	1682	1599	2357	3703	6474	6896	7765	6542	5123	-21.7%	220.4%	272.9%
241	BOTTINEAU	998	932	996	950	1018	946	1050	1239	1364	1296	1382	1352	1313	-2.9%	38.8%	31.6%
251	HAGUE	630	640	710	770	740	589	746	867	885	985	909	912	1000	9.6%	69.8%	58.7%
253	RUGBY		2766		2748	2642	2475	2730	2775	3162	3140	3192	3145	3026	-3.8%	22.3%	--
255	CROSBY	544	584	492	532	554	574	598	842	1502	1744	1638	1337	994	-25.7%	73.2%	82.7%
257	WILLISTON	1156	1236		1208	1186	1229	1251	1620	3235	2991	2958	2478	1875	-24.3%	52.6%	62.2%
261	CARRINGTON								1736	1768	1805	1788	1798	1946	8.2%	--	--
271	GOLDEN VALLEY	718	698		666	676	702	698	840	1355	1422	1414	1230	1243	1.1%	77.1%	73.1%
273	NEW LEIPZIG	360	354	390	386	368	339	314	364	377	376	372	407	381	-6.4%	12.4%	5.8%
281	SAWYER			3646	3724	3878	3902	3883	4563	5340	5224	5347	5040	4839	-4.0%	24.0%	--
297	WILLISTON_NW										1514	2257	1936	2924	51.0%	--	--
303	MICHIGAN		3350	3616	3512	3508	3361	3303	3803	4383	4265	4366	4719	4127	-12.5%	22.8%	--
305	EMERADO	5600													--	--	--
307	WASHBURN		3616	3580	3880	3984	4233	4437	5189	6030	6050	6303	6069	5806	-4.3%	37.2%	--
309	NEWTOWN_EAST											6193	5331	3991	-25.1%	--	--
311	WILLISTON_2N										12090	13560	11018	7868	-28.6%	--	--
337	BLAISDELL_E2												5007		--	--	--
339	GRASSY_BUTTE											4880	4402	3217	-26.9%	--	--
341	ALEXANDER85W												8888	6467	-27.2%	--	--
343	WATFORD_E23_												5031		--	--	--
351	COLUMBUS_W5												643		--	--	--
419	EMERADO_W2												6788	6721	-1.0%	--	--
423	HARVEY_N3_												654		--	--	--
429	LAKOTA_S1_												608	602	-1.0%	--	--

PERMANENT STATION COMPARISON OF AADT BY YEAR

STATION NUMBER	LOCATION	1996	1998	2000	2002	2004	2006	2008	2010	2012	2013	2014	2015	2016	% CHANGE 2016/2015	% CHANGE 2016/2006	% CHANGE 2016/1996
RURAL PRINCIPAL ARTERIAL																	
447	DUNSEITH_E__											2499	2605	2604	-0.0%	--	--
449	SHEYENNE_N__													1218	--	--	--
	MEAN	1985	2004	1901	1777	1796	1799	1939	2346	3160	3425	3728	3590	3033	-6.5%	54.5%	75.1%
RURAL MINOR ARTERIAL																	
231	GRAFTON	2328	2372	2628	2678	2818	2521	2623	2594	2525	2523	2429	2561	2538	-0.9%	0.7%	9.0%
247	COURTENAY	468		486	518	490	460	442	464	471	457	451	473	490	3.6%	6.5%	4.7%
249	GARRISON		1142	1166	1208	1178	1164	1184	1359	1634	1702	1892	1812	1815	0.2%	55.9%	--
275	HANNOVER	488	524	560	542	500	479	500	602	630	649	687	746	1091	46.2%	127.8%	123.6%
289	MANNING				1592	1610	1718	2341	3675	5706	5719	6696	5540	4417	-20.3%	157.1%	--
291	MARMARTH									785	803	868	793	698	-12.0%	--	--
293	KILLDEER									3313	3861	4615	4231	2989	-29.4%	--	--
295	NECHE									429	449	465	426	404	-5.2%	--	--
373	DICKINSON22S												2046		--	--	--
461	THOMPSON_W15												1597		--	--	--
727	ENDERLIN_E46												1826		--	--	--
759	WILTON_E36__												585		--	--	--
	MEAN	1095	1346	1210	1308	1319	1268	1418	1739	1937	2020	2263	2073	1708	-2.2%	69.6%	45.8%
RURAL MAJOR COLLECTOR - STATE																	
267	TRENTON								3231	6008	5183	5541	5067	4059	-19.9%	--	--
493	ST_THOMAS_W_													601	--	--	--
783	KULM_S56____													196	--	--	--
	MEAN								3231	6008	5183	5541	5067	1619	-19.9%	--	--
RURAL MAJOR COLLECTOR - COUNTY																	
101	MINOT55ST_NE											2525	2655	2557	-3.7%	--	--
103	MINOT46AV_NE											1074	1124	1104	-1.8%	--	--
225	STERLING	558	556		558	492	525	560	645	639	656	946	834	865	3.7%	64.8%	55.0%
259	AYR	288	276	348	456	384	340	360	372	317	329	327	341	351	2.9%	3.2%	21.9%
263	METIGOSHE	726	414												--	--	--
277	REGENT	268	304	298	314	296	287	320	358	369	343	356	362	339	-6.4%	18.1%	26.5%
	MEAN	460	388	323	443	391	384	413	458	442	443	1046	1063	1043	-1.0%	28.7%	34.5%
URBAN PRINCIPAL ARTERIAL																	
287	GRAND FORKS				18520	19656	19107	18974	20520	21291	21396	21318	21197	23090	8.9%	20.8%	--
501	FARGO (U)	27970	24150	26592	26852	24248	24606	24868	24332	24073	26023	25518	25990		1.8%	7.2%	--
503	BISMARCK (U)									12176	12859	13418	14093	14061	-0.2%	--	--
513	WFARGO_MAIN_ (U)												6159		--	--	--
601	BISMARCK (U)	12919	12408	11747	11961	11465	11991								--	--	--
603	WILLISTON (U)		4058	4174	4118	4228	4528	4801	6510	10278	10990	10834	9594	7351	-23.4%	62.3%	--
605	MANDAN (U)	19702		20200	20158	20213	19582	20270	20439	20891	20356	20615	21326		3.4%	5.5%	--
	MEAN	16162	13577	16235	16571	15912	15991	18042	17703	18042	18390	18203	16330		-1.9%	24.0%	--
URBAN MINOR ARTERIAL																	
607	DICKINSON (U)		3128	3072	2980	3104	3053	2855	3033	3269	3329	3198	3297	3473	5.3%	13.8%	--
611	MINOT (U)		2804	3240	2624	2690	2541	2618	2894	3155	2974	2914	2770	2838	2.5%	11.7%	--
	MEAN		2966	3156	2802	2897	2797	2737	2964	3212	3152	3056	3034	3156	3.9%	12.7%	--
URBAN COLLECTOR & LOCAL URBAN																	
609	MINOT (U)		1858	1896	2076	2346	2222	2255	2374	3001	2802	2991	2924	2837	-3.0%	27.7%	--
	MEAN		1858	1896	2076	2346	2222	2255	2374	3001	2802	2991	2924	2837	-3.0%	27.7%	--

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	1996	1998	2000	2002	2004	2006	2008	2010	2012	2013	2014	2015	2016	% CHANGE 2016/2015	% CHANGE 2016/2006	% CHANGE 2016/1996
URBAN INTERSTATE																	
217	FARGO (U)		3822	4742	4400	4888	4791	4930	4612	5108	5100	5645	5476	5079	-7.2%	6.0%	--
235	FARGO (U)		2602		2594	2684	2726	2980	3344	3216	3305	3588	3452	3685	6.7%	35.2%	--
283	BISMARCK (U)		1706	1948	1862	1952	2264	2151	2039	2505	2831	2687	2918	2474	-15.2%	9.3%	--
	MEAN		2710	3345	2952	3175	3260	3354	3332	3610	3745	3973	3949	3746	-5.2%	16.8%	--
RURAL INTERSTATE																	
207	MEDINA		1380	1600	1566	1618	1699	1711	1809	2137	2132	2246	2136	2271	6.3%	33.7%	--
211	BUXTON		1636	2114	2196	2494	2554	2790	2561	2982	2998	3156	2949	2834	-3.9%	11.0%	--
223	NEW SALEM				1214	1244	1364	1467	1450	2002	1903	2210	2127	2203	3.6%	61.5%	--
243	BOWESMONT		964	1110	1160	1164	1186	1358	1109	1223	1270	1708	1286	1272	-1.1%	7.3%	--
245	TOWER CITY					1922	2001	2203	2334	2674	2759	2981	2944	2856	-3.0%	42.7%	--
265	MOORETON		840	934	812	922	1006	1076	1072	1178	1268	1403	1244	1182	-5.0%	17.5%	--
279	PAINTED CANYON		702	460	1044	1018	1177	1166	1155	1449	1711	1566	1632	1391	-14.8%	18.2%	--
285	DAVENPORT				1120	1184	1248	1293	1341	1454	1541	1561	1583	1661	4.9%	33.1%	--
	MEAN		1104	1244	1302	1446	1529	1633	1604	1887	1948	2104	1988	1959	-1.6%	28.1%	--
RURAL PRINCIPAL ARTERIAL																	
201	RAY		238	290	260	260	378	669	1332	3536	2818	3104	2342	1398	-40.3%	269.8%	--
203	MAX		438	584	538	536	541	568	771	1003	1026	1028	840	695	-17.3%	28.5%	--
205	GWINNER			106	168	154	145	117	114	129	117	164	156	168	7.7%	15.9%	--
215	JAMESTOWN			468	446	510	584	709	770	937	957	1103	1052	765	-27.3%	31.0%	--
219	MANDAN		140	198	154	146	154	138	147	149	187	191	201	237	17.9%	53.9%	--
221	FAIRFIELD			340	274	258	399	507	641	1362	1455	1737	1354	951	-29.8%	138.3%	--
233	FOXHOLM		424	432	406	418	454	548	644	835	755	770	585	526	-10.1%	15.9%	--
237	NEKOMA				108	122	115	118	122	133	138	162	159	145	-8.8%	26.1%	--
239	NEW TOWN			158	142		148	549	1217	2842	2958	3204	2607	1619	-37.9%	993.9%	--
241	BOTTINEAU		96	162	142	118	111	129	163	195	184	221	205	193	-5.9%	73.9%	--
251	HAGUE										316	351	330	345	4.5%	--	--
253	RUGBY		930		422	424	406	508	431	541	496	533	496	486	-2.0%	19.7%	--
255	CROSBY			96	132	78	131	145	234	604	795	733	543	381	-29.8%	190.8%	--
257	WILLISTON		146		140	140	160	160	280	911	941	846	596	364	-38.9%	127.5%	--
261	CARRINGTON								268	264	306	289	282	314	11.3%	--	--
271	GOLDEN VALLEY						67	66	111	378	427	349	285	241	-15.4%	259.7%	--
273	NEW LEIPZIG		56	84	66	60	44	43	62	55	62	64	62	71	14.5%	61.4%	--
281	SAWYER			462	390	420	526	572	744	1022	1021	1054	782	893	14.2%	69.8%	--
297	WILLISTON_NW										877	1246	1016	1632	60.6%	--	--
303	MICHIGAN		648	732	568	558	515	513	593	691	617	647	684	631	-7.7%	22.5%	--
307	WASHBURN		522	616	566	552	607	609	740	949	987	1033	1024	929	-9.3%	53.0%	--
309	NEWTOWN_EAST											1845	1334	712	-46.6%	--	--
311	WILLISTON_2N										5068	5682	4130	2815	-31.8%	--	--
337	BLAISDELL_E2												1259		--	--	--
339	GRASSY_BUTTE											1993	1694	1145	-32.4%	--	--
341	ALEXANDER85W												4528	3120	-31.1%	--	--
343	WATFORD_E23_												2363		--	--	--
351	COLUMBUS_W5												221		--	--	--
419	EMERADO_W2												1007	933	-7.3%	--	--
423	HARVEY_N3__												100		--	--	--
429	LAKOTA_S1__												117	120	2.6%	--	--
447	DUNSEITH_E__											189	162	139	-14.2%	--	--
449	SHEYENNE_N__												234		--	--	--
	MEAN		364	338	290	297	305	370	494	870	1023	1142	1020	792	-11.1%	136.2%	--
RURAL MINOR ARTERIAL																	
231	GRAFTON			262	250	272	240	267	243	233	225	170	266	286	7.5%	19.2%	--
247	COURTENAY			50	44	40	32	33	36	45	40	34	39	45	15.4%	40.6%	--
249	GARRISON		104	160	106	112	106	117	127	165	222	255	267	177	-33.7%	67.0%	--
275	HANNOVER		54	74	62	64	60	57	80	92	111	100	109	152	39.4%	153.3%	--
289	MANNING				142	128	160	408	931	1714	1937	2392	1706	1125	-34.1%	603.1%	--
291	MARMARTH									181	211	225	194	157	-19.1%	--	--

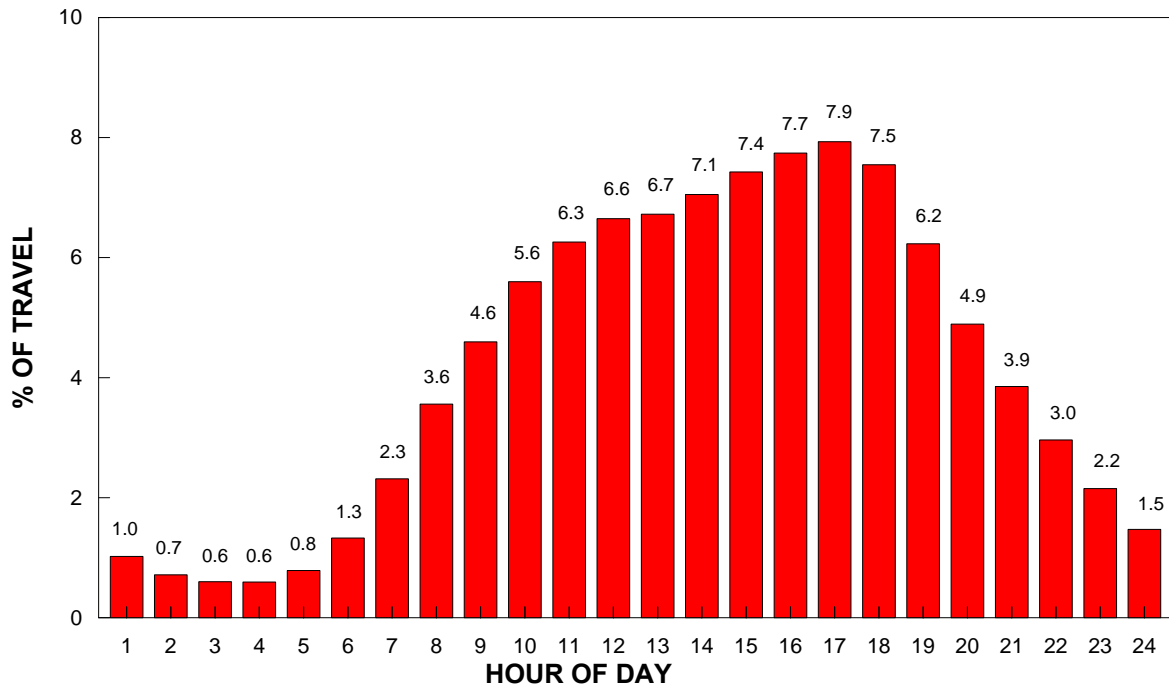
PERMANENT STATION COMPARISON OF TRUCK AADT BY YEAR

STATION NUMBER	LOCATION	1996	1998	2000	2002	2004	2006	2008	2010	2012	2013	2014	2015	2016	% CHANGE 2016/2015	% CHANGE 2016/2006	% CHANGE 2016/1996
RURAL MINOR ARTERIAL																	
293	KILLDEER									1484	1766	1928	1800	1038	-42.3%	--	--
295	NECHE									89	116	111	84	90	7.1%	--	--
373	DICKINSON22S													404	--	--	--
461	THOMPSON_W15													183	--	--	--
727	ENDERLIN_E46													322	--	--	--
759	WILTON_E36__													133	--	--	--
	MEAN		79	137	121	123	120	176	283	500	579	652	558	343	-7.5%	176.6%	--
RURAL MAJOR COLLECTOR - STATE																	
267	TRENTON								670	1770	1501	1593	1310	834	-36.3%	--	--
493	ST_THOMAS_W_													188	--	--	--
783	KULM_S56____													47	--	--	--
	MEAN								670	1770	1501	1593	1310	356	-36.3%	--	--
RURAL MAJOR COLLECTOR - COUNTY																	
101	MINOT55ST_NE												579	587	472	-19.6%	--
103	MINOT46AV_NE												242	231	194	-16.0%	--
225	STERLING				46	39	54	68	89	70	141	115	142	142	23.5%	264.1%	--
	MEAN				46	39	54	68	89	70	321	311	269	269	-4.0%	264.1%	--
URBAN PRINCIPAL ARTERIAL																	
287	GRAND FORKS												420	438	4.3%	--	--
503	BISMARCK (U)									1515	1706	1880	1832	1768	-3.5%	--	--
513	WFARGO_MAIN_ (U)													1084	--	--	--
	MEAN									1515	1706	1880	1126	1097	0.4%	--	--

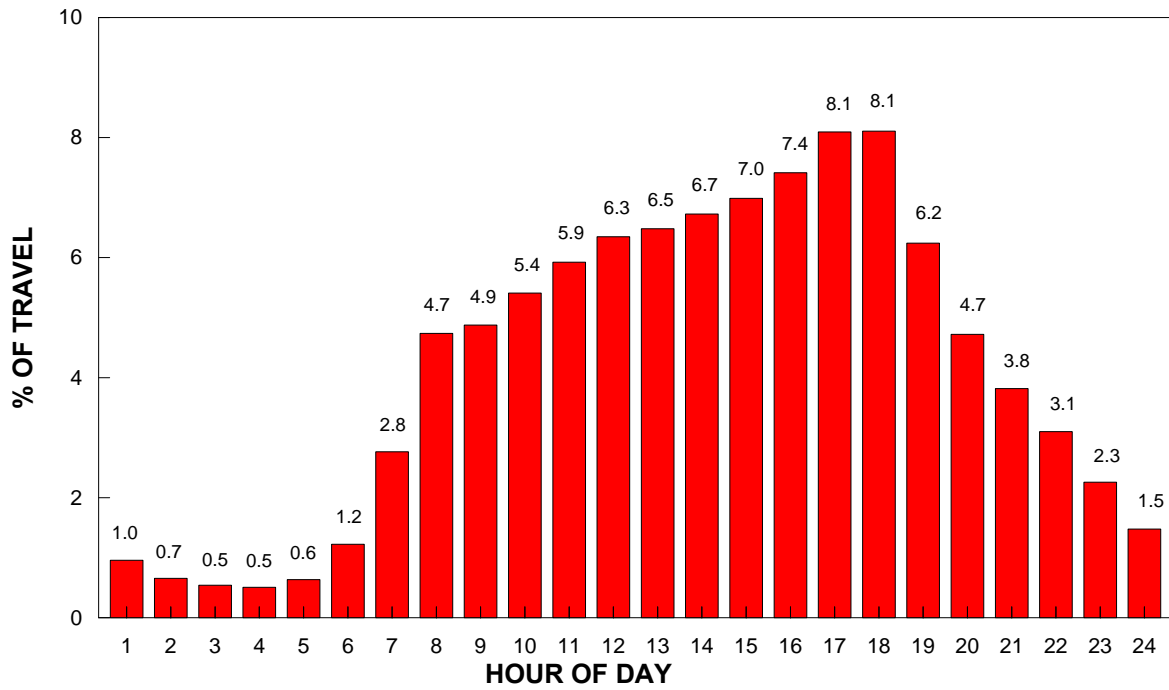
Missing data is the result of years when a recording station was out of service.

# HOURLY DISTRIBUTION OF TRAVEL

## RURAL INTERSTATE 94

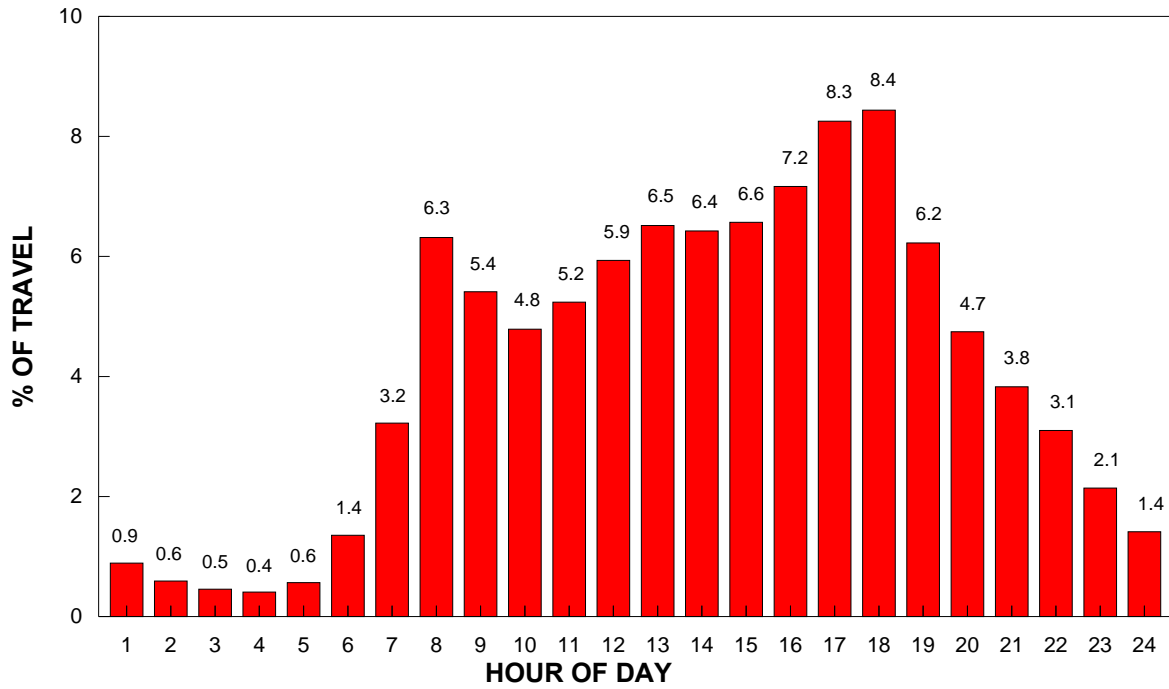


## RURAL INTERSTATE 29

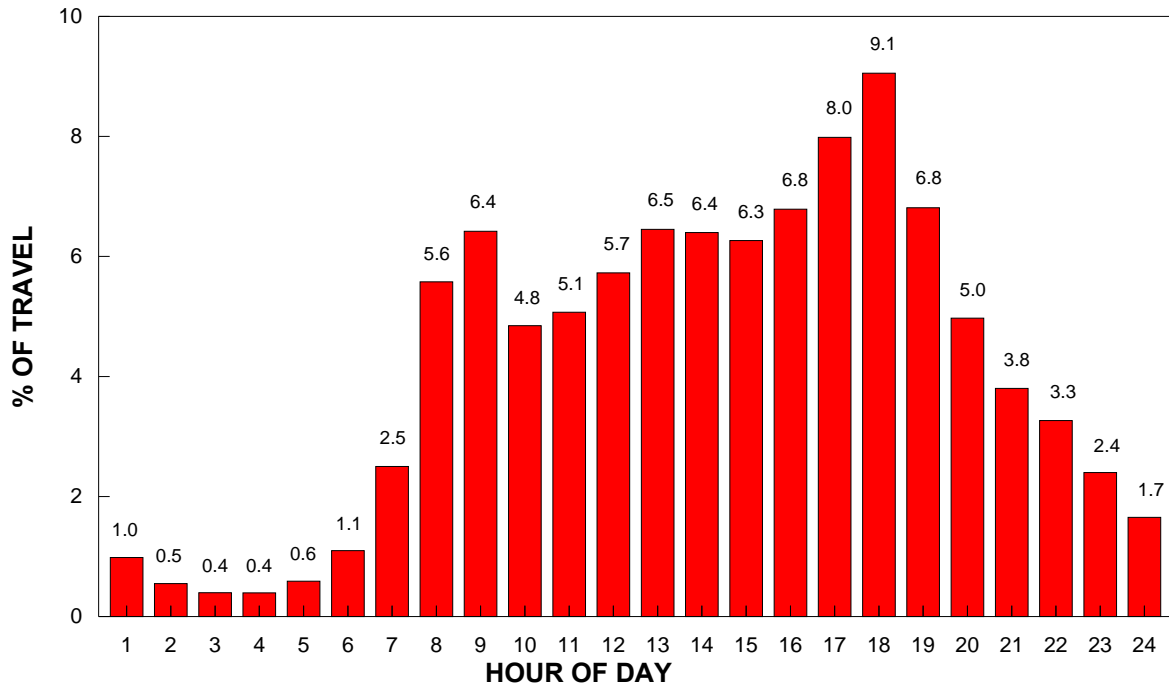


# HOURLY DISTRIBUTION OF TRAVEL

## URBAN INTERSTATE 94

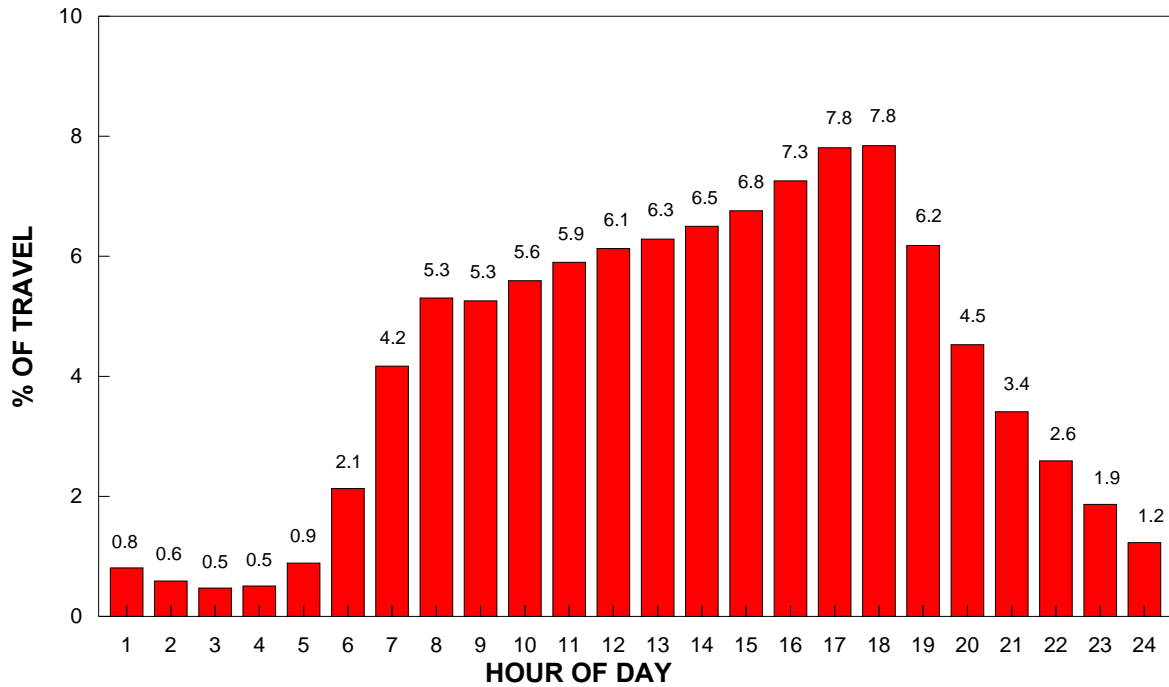


## URBAN INTERSTATE 29

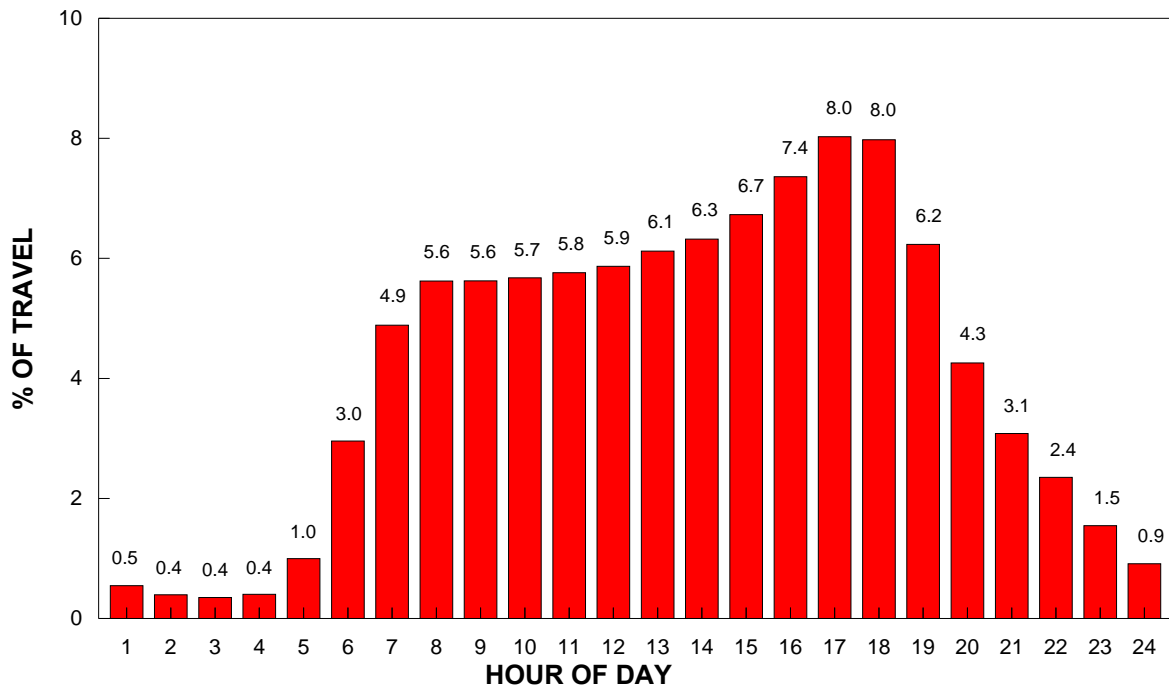


# HOURLY DISTRIBUTION OF TRAVEL

## RURAL PRINCIPAL ARTERIAL



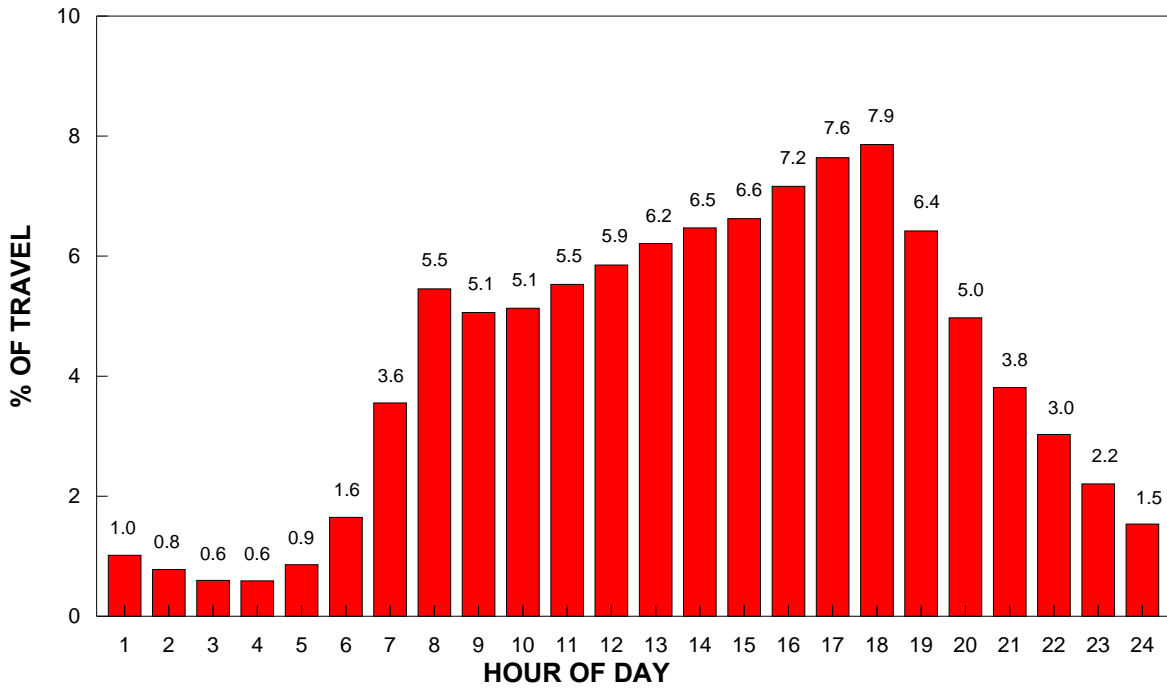
## RURAL MINOR ARTERIAL



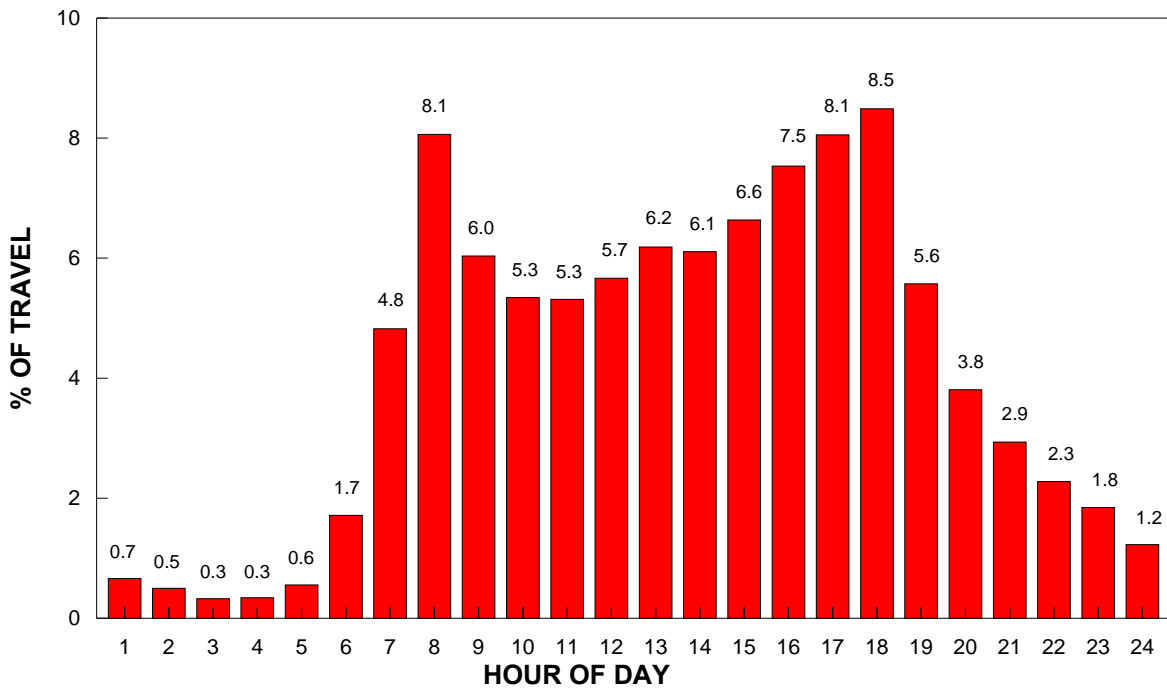


# HOURLY DISTRIBUTION OF TRAVEL

## RURAL MAJOR COLLECTOR - STATE

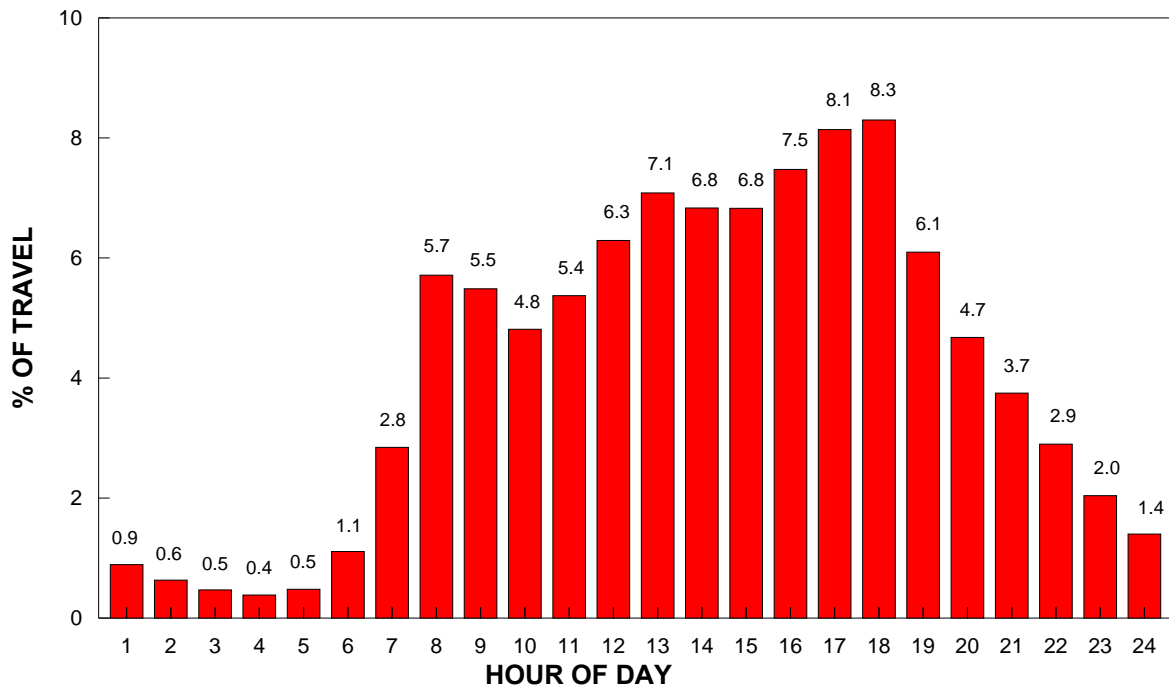


## RURAL MAJOR COLLECTOR - COUNTY

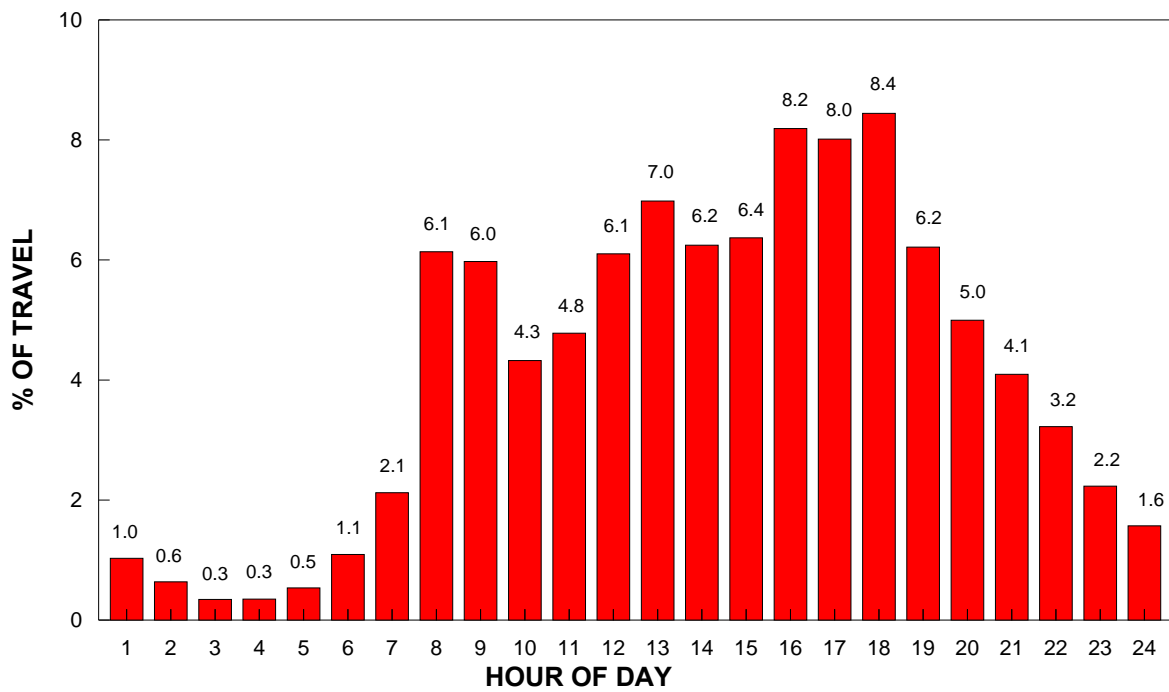


# HOURLY DISTRIBUTION OF TRAVEL

## URBAN PRINCIPAL ARTERIAL

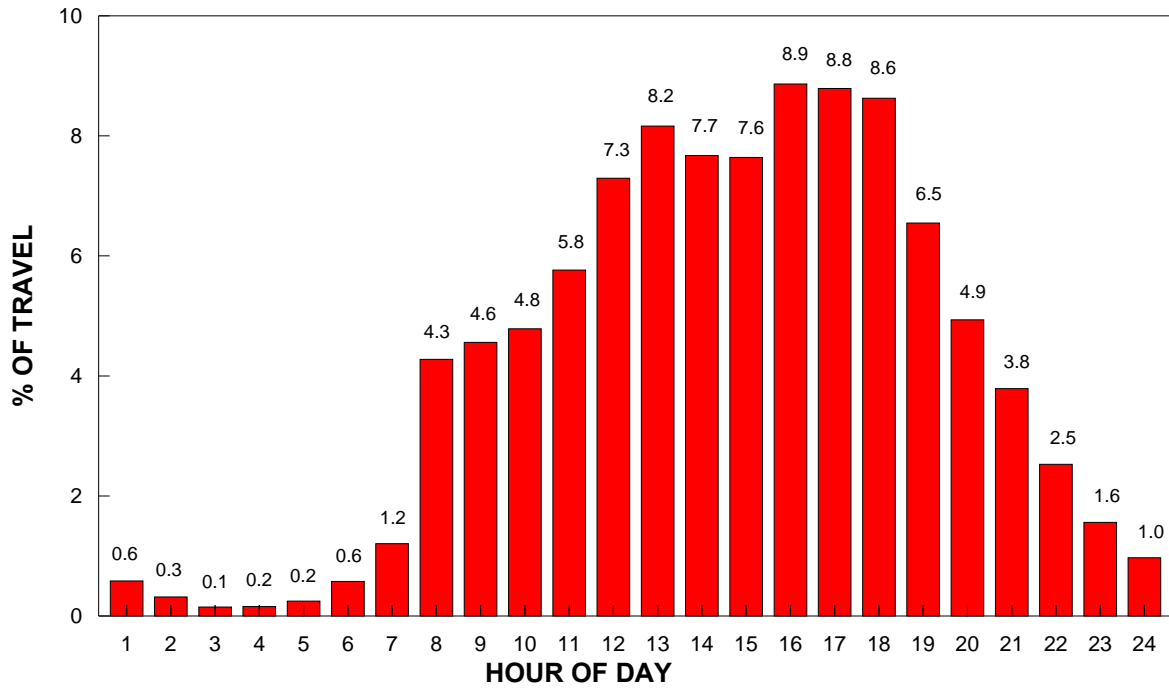


## URBAN MINOR ARTERIAL



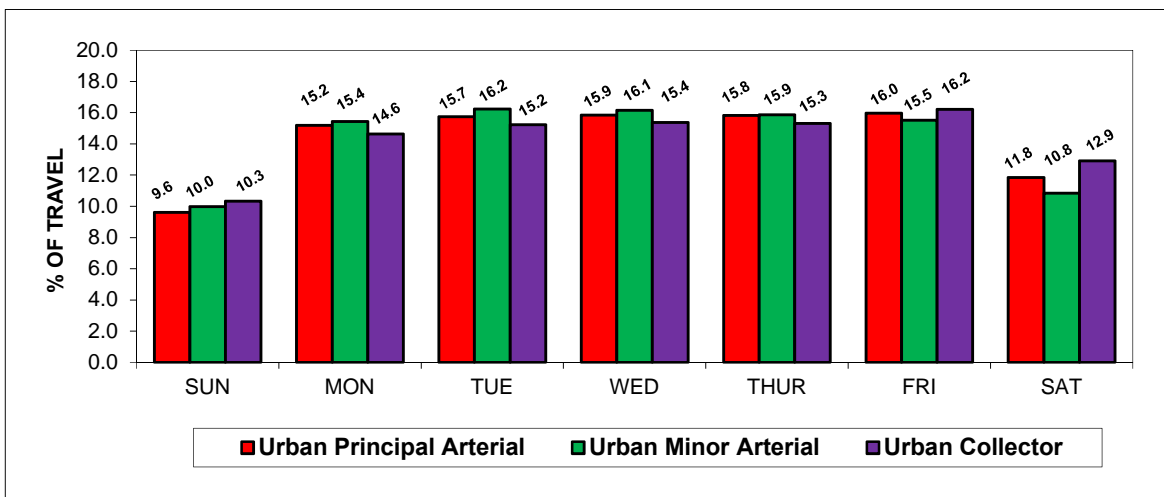
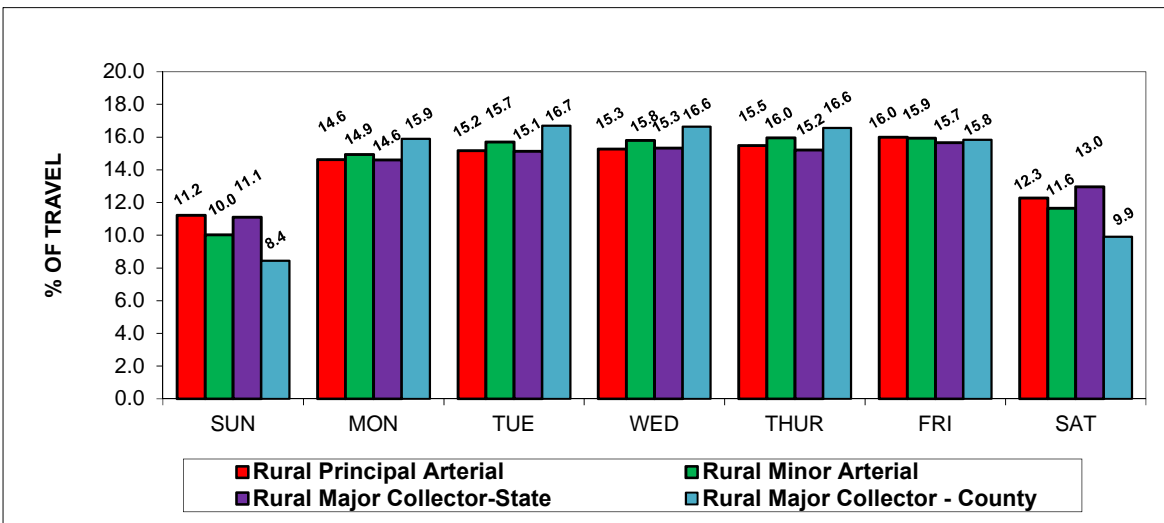
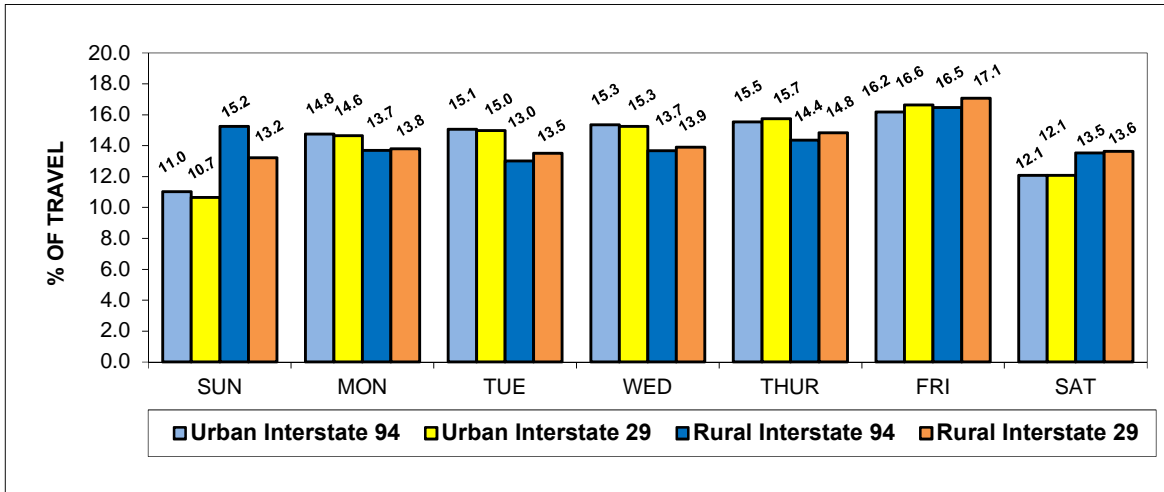
# HOURLY DISTRIBUTION OF TRAVEL

## URBAN COLLECTOR

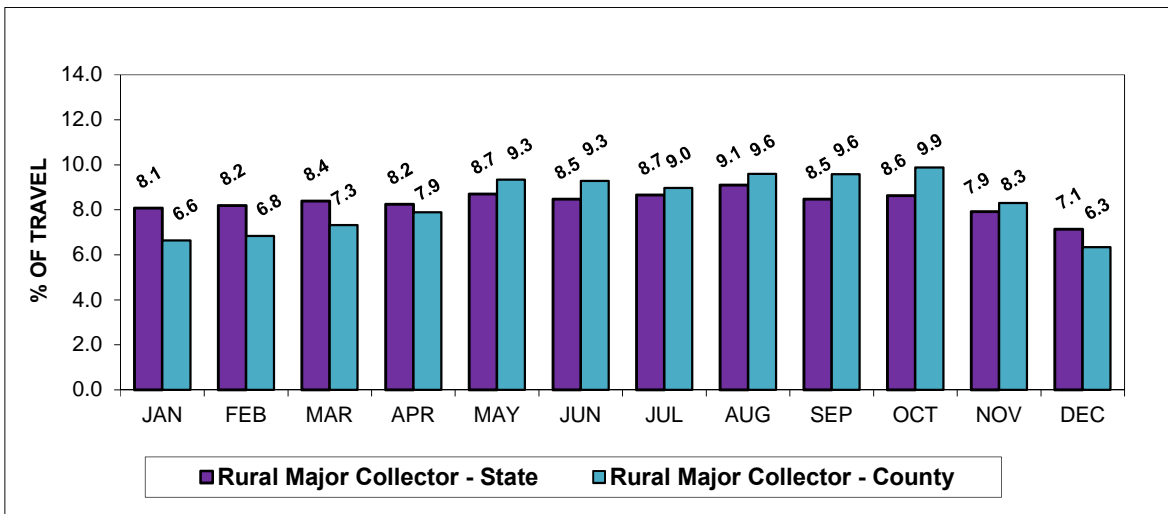
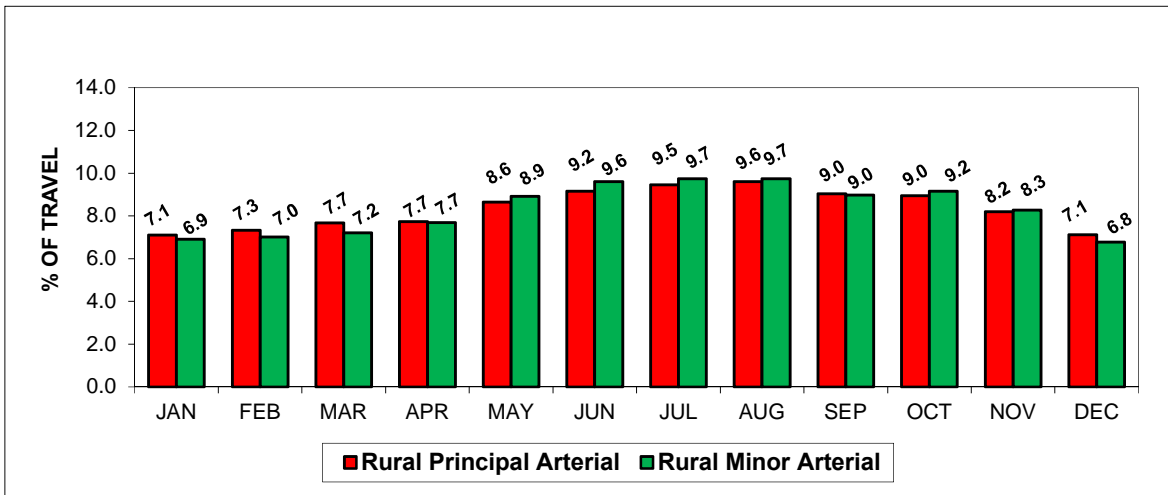
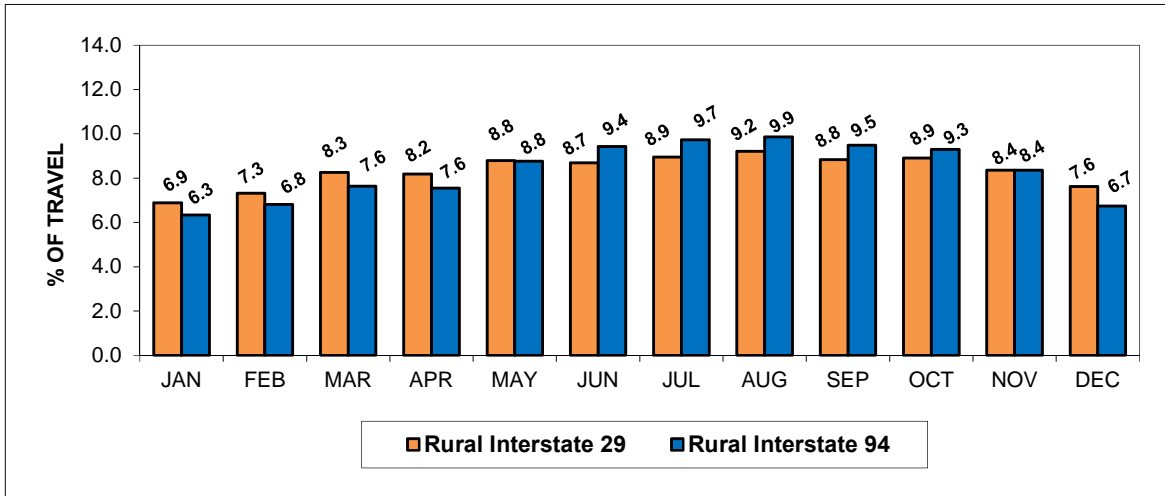


# DAILY DISTRIBUTION OF TRAVEL

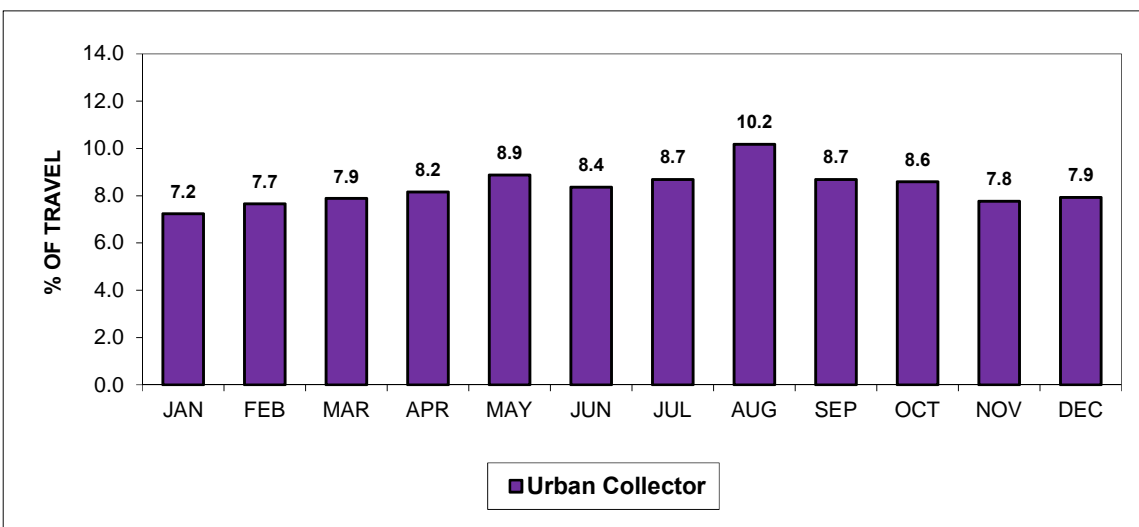
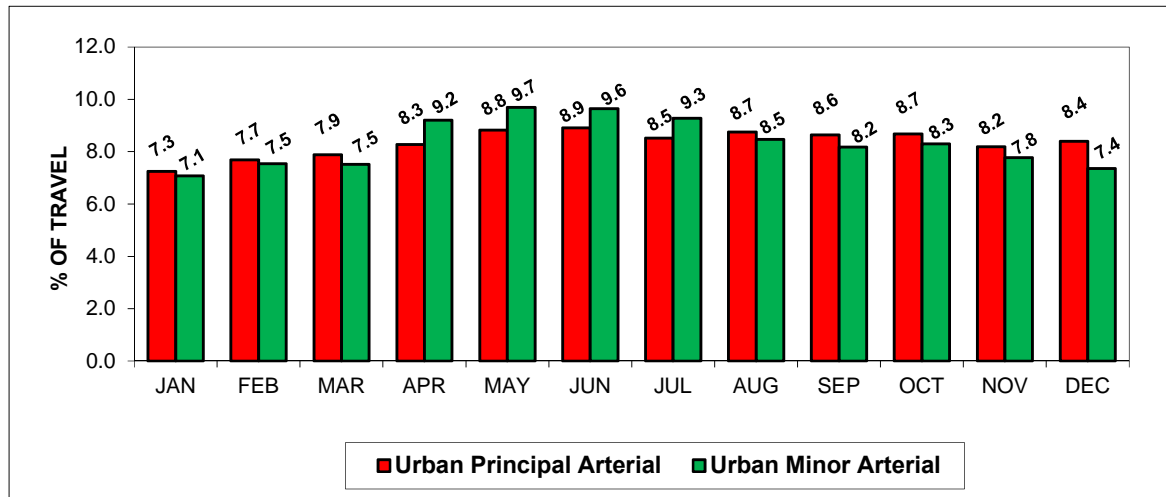
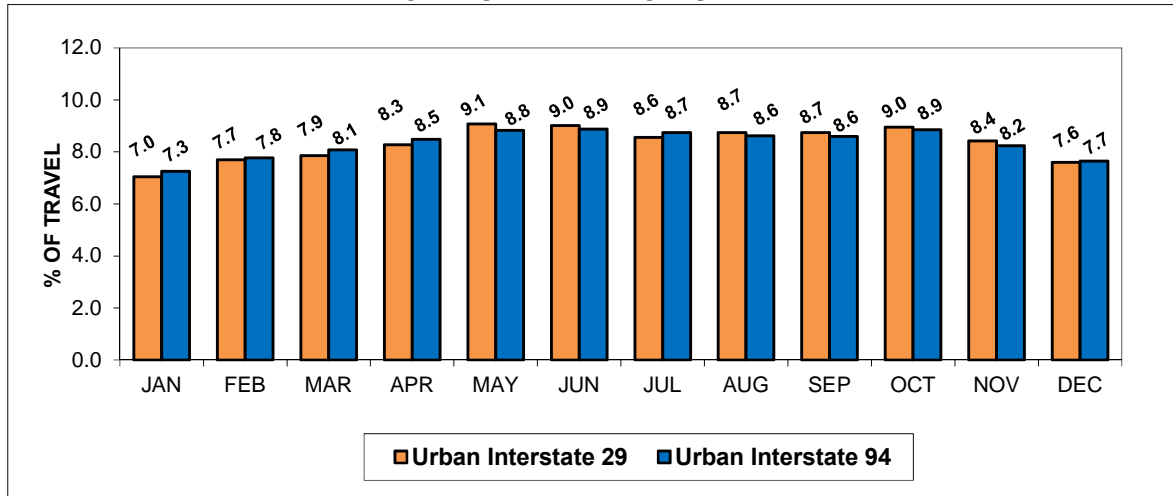
## TOTAL VEHICLES



## MONTHLY DISTRIBUTION OF ANNUAL TRAFFIC TOTAL RURAL VEHICLES

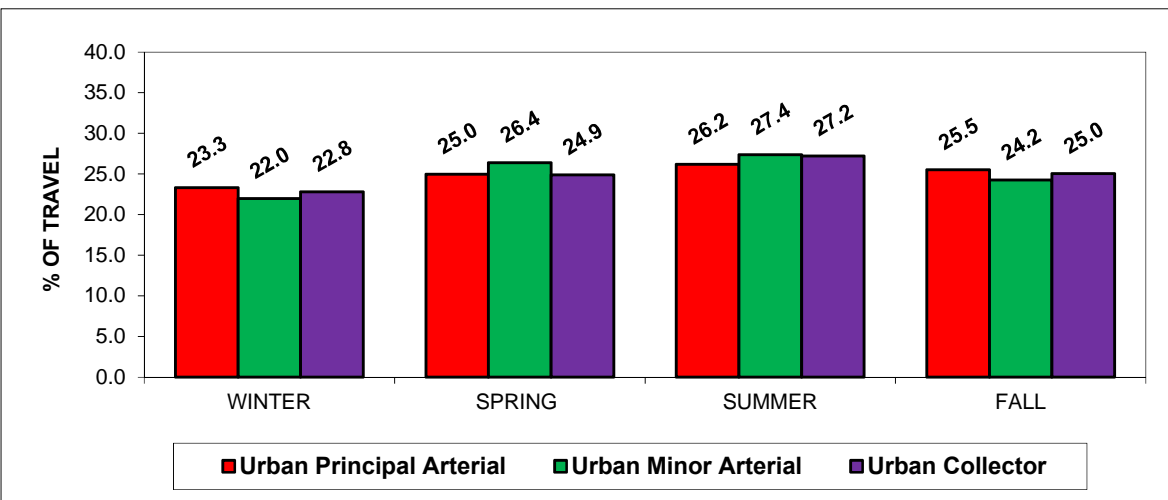
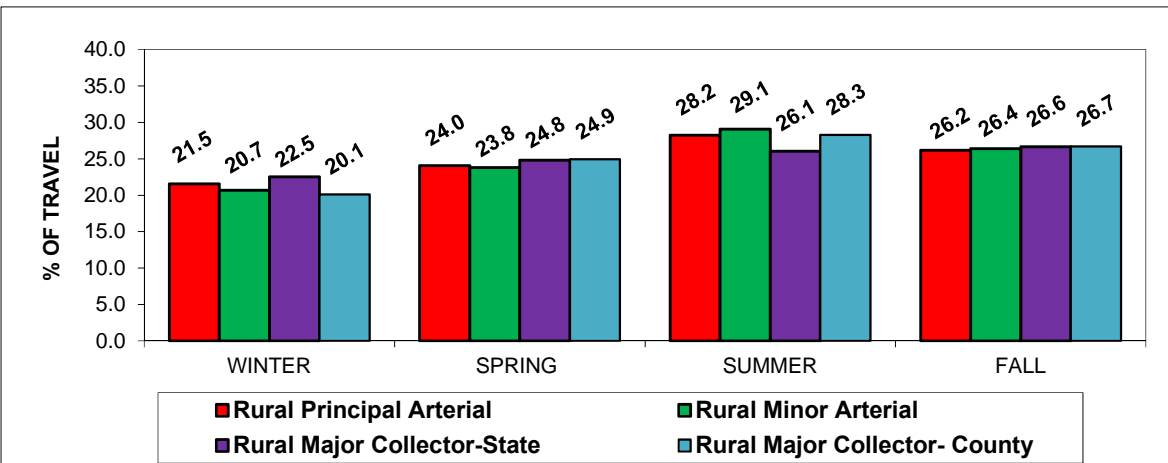
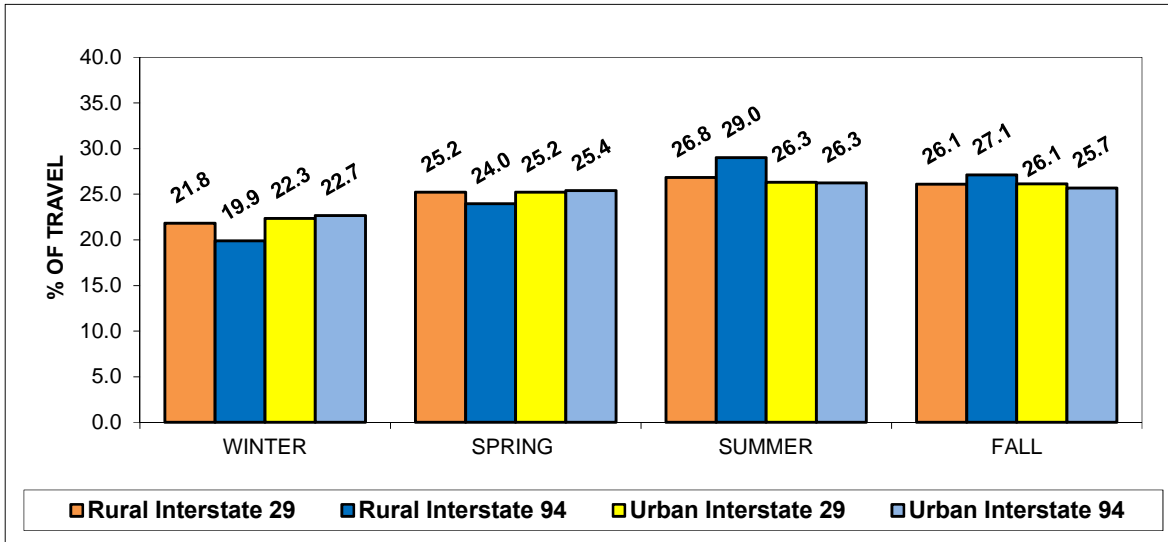


## MONTHLY DISTRIBUTION OF ANNUAL TRAFFIC TOTAL URBAN VEHICLES



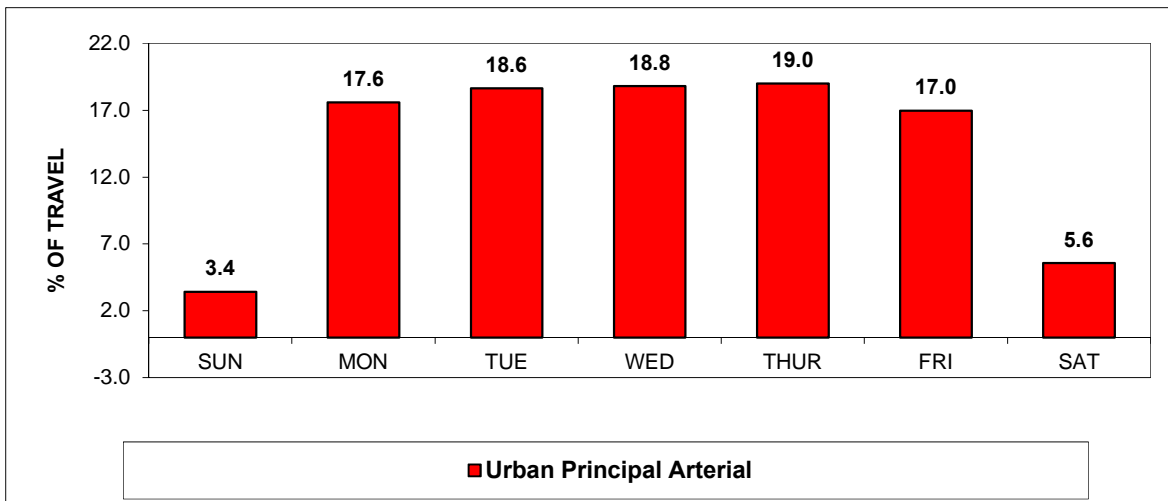
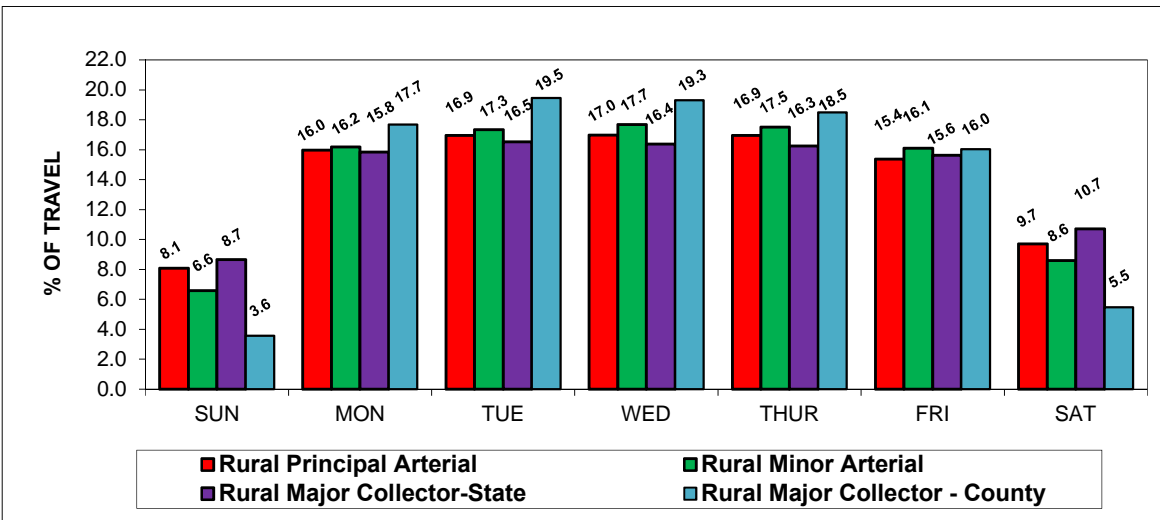
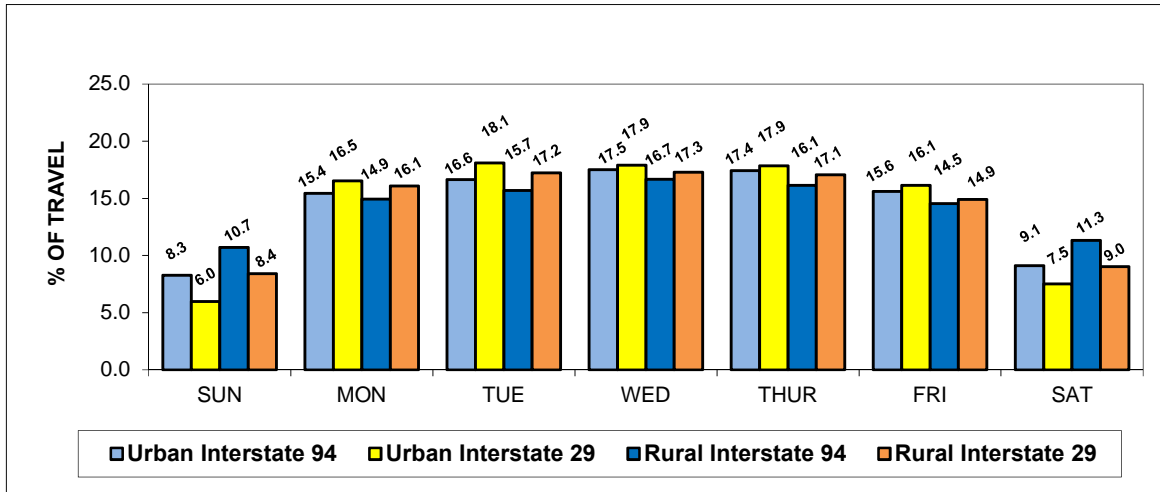
# SEASONAL DISTRIBUTION OF TRAVEL

TOTAL VEHICLES



# DAILY DISTRIBUTION OF TRAVEL

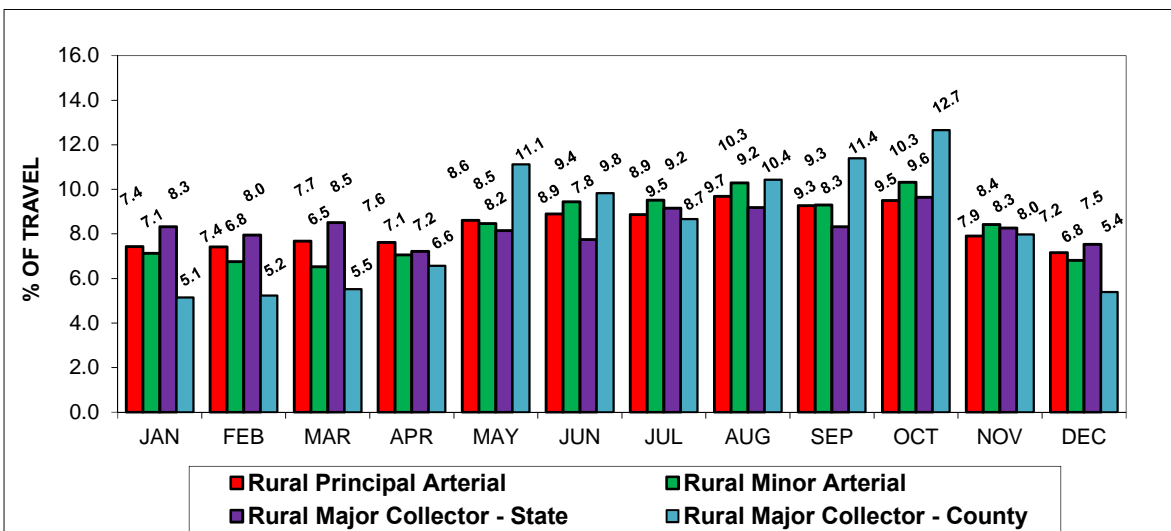
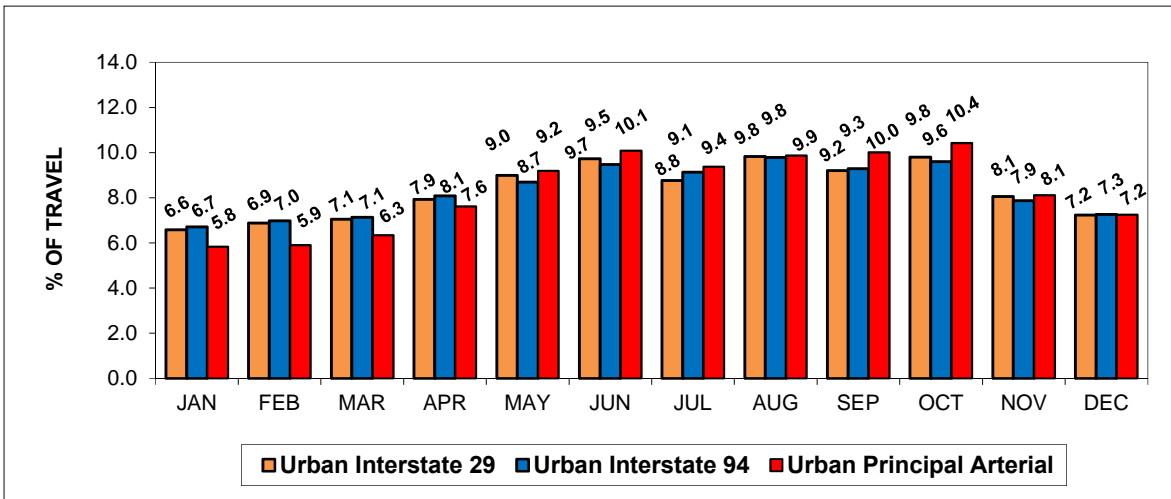
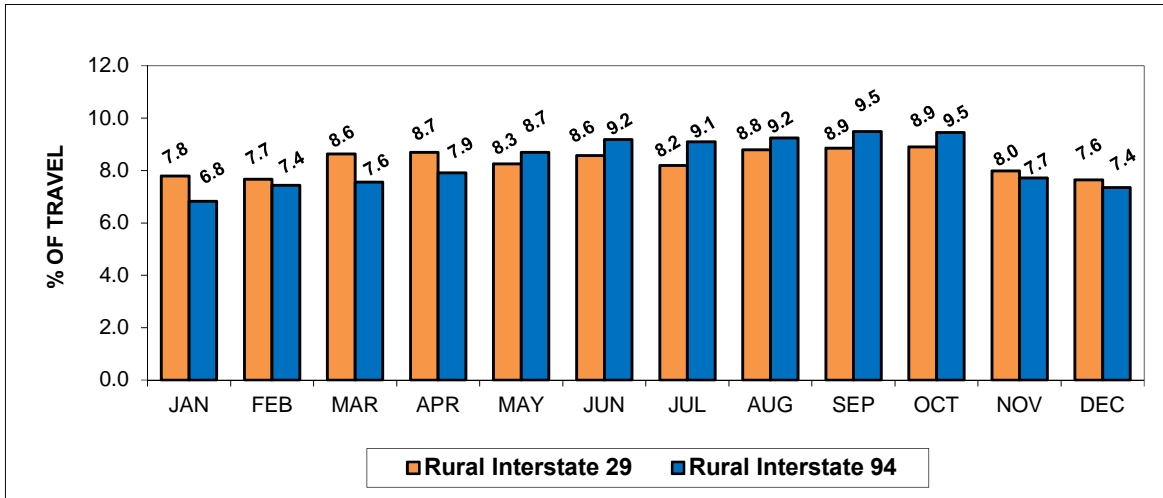
## TOTAL TRUCKS





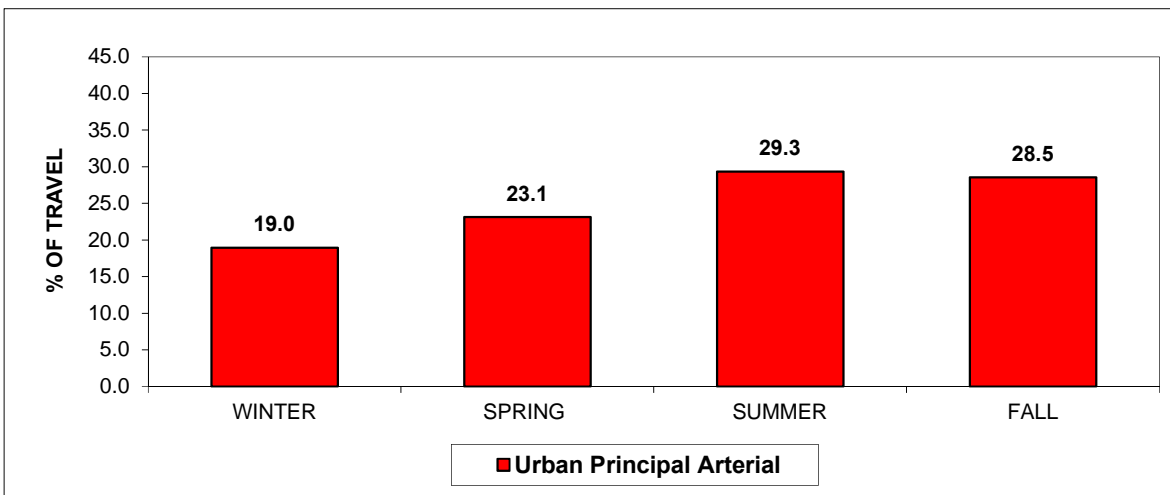
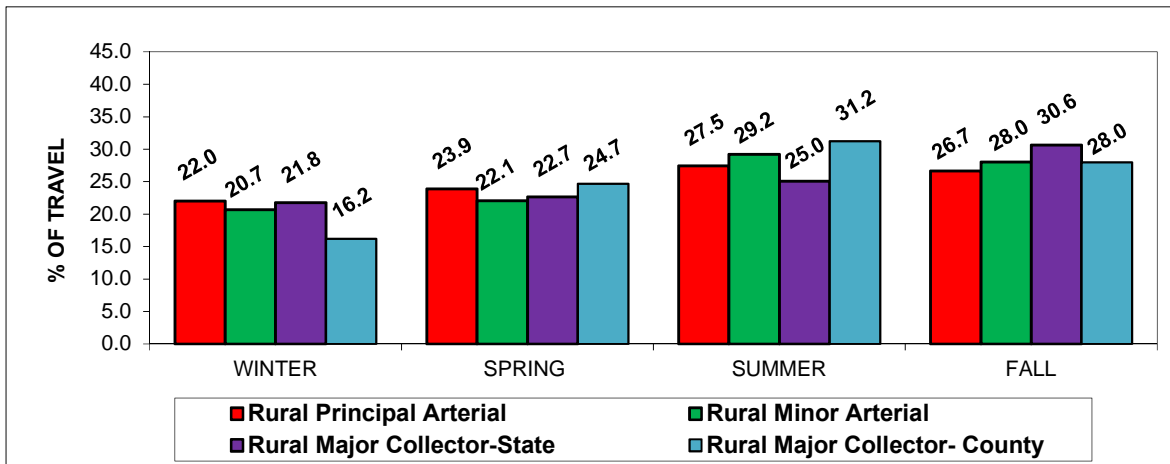
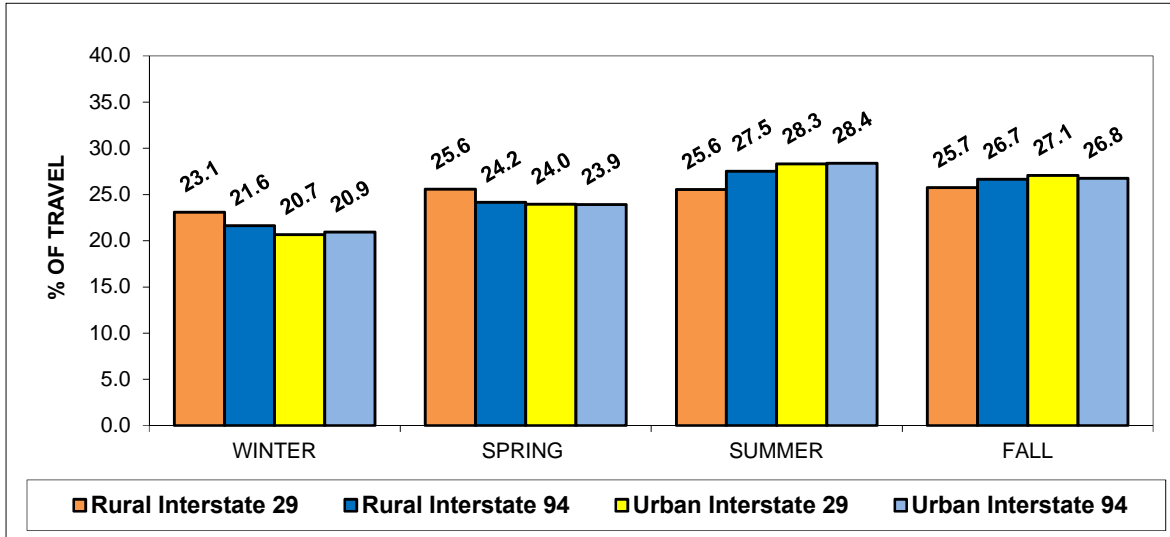
# MONTHLY DISTRIBUTION OF ANNUAL TRAFFIC

## TOTAL TRUCKS



# SEASONAL DISTRIBUTION OF TRAVEL

## TOTAL TRUCKS



**PERMANENT STATION  
PEAK HOUR & DESIGN HOUR  
STATISTICS FOR 2016**

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
<b>INTERSTATE RURAL - I-94</b>									
207	MEDINA	EAST	4368	864	19.8%	457	10.5%	540	46-54
		WEST	4364	826	18.9%	540	12.4%	457	54-46
		EAST & WEST	8732	1,690	19.4%	910	10.4%		
223	NEW SALEM	EAST	4368	571	13.1%	474	10.9%	492	49-51
		WEST	4358	565	13.0%	453	10.4%	472	49-51
		EAST & WEST	8726	1,127	12.9%	899	10.3%		
245	TOWER CITY	EAST	5990	1,032	17.2%	754	12.6%	758	50-50
		WEST	5995	982	16.4%	772	12.9%	625	55-45
		EAST & WEST	11985	2,014	16.8%	1448	12.1%		
279	PAINTED CANYON	EAST	1936	259	13.4%	212	11.0%	159	57-43
		WEST	1929	259	13.4%	203	10.5%	235	46-54
		EAST & WEST	3865	477	12.3%	398	10.3%		
<b>INTERSTATE RURAL - I-29</b>									
211	BUXTON	NORTH	6229	1,138	18.3%	782	12.6%	622	56-44
		SOUTH	6176	998	16.2%	781	12.6%	545	59-41
		NORTH & SOUTH	12405	1,758	14.2%	1460	11.8%		
243	BOWESMONT	NORTH	1635	358	21.9%	215	13.1%	114	65-35
		SOUTH	1613	397	24.6%	239	14.8%	95	72-28
		NORTH & SOUTH	3248	525	16.2%	369	11.4%		
265	MOORETON	NORTH	3546	554	15.6%	422	11.9%	292	59-41
		SOUTH	3546	520	14.7%	425	12.0%	275	61-39
		NORTH & SOUTH	7092	971	13.7%	799	11.3%		
285	DAVENPORT	NORTH	5976	767	12.8%	717	12.0%	354	67-33
		SOUTH	5912	948	16.0%	768	13.0%	468	62-38
		NORTH & SOUTH	11888	1,588	13.4%	1309	11.0%		
<b>INTERSTATE URBAN - I-94</b>									
217	FARGO (U)	EAST	36000	4,695	13.0%	4371	12.1%	3192	58-42
		WEST	36116	4,521	12.5%	4204	11.6%	2030	67-33
		EAST & WEST	72116	7,794	10.8%	7414	10.3%		
283	BISMARCK (U)	EAST	14848	1,712	11.5%	1585	10.7%	1554	50-50
		WEST	14781	1,751	11.8%	1647	11.1%	1544	52-48
		EAST & WEST	29629	3,336	11.3%	3180	10.7%		
<b>INTERSTATE URBAN - I-29</b>									
235	FARGO (U)	NORTH	17196	2,509	14.6%	2017	11.7%	1862	52-48
		SOUTH	16397	2,030	12.4%	1911	11.7%	1906	50-50
		NORTH & SOUTH	33593	4,404	13.1%	3862	11.5%		
<b>PRINCIPAL ARTERIAL RURAL</b>									
201	RAY	EAST	2552	352	13.8%	252	9.9%	127	66-34
		WEST	2551	307	12.0%	222	8.7%	184	55-45
		EAST & WEST	5103	498	9.8%	414	8.1%		
203	MAX	NORTH	2539	487	19.2%	351	13.8%	152	70-30

**PERMANENT STATION  
PEAK HOUR & DESIGN HOUR  
STATISTICS FOR 2016**

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
<b>PRINCIPAL ARTERIAL RURAL</b>									
203	MAX	SOUTH	2487	412	16.6%	332	13.3%	274	55-45
		NORTH & SOUTH	5026	757	15.1%	604	12.0%		
205	GWINNER	EAST	581	123	21.2%	109	18.8%	16	87-13
		WEST	595	142	23.9%	109	18.3%	31	78-22
		EAST & WEST	1176	184	15.6%	150	12.8%		
215	JAMESTOWN	EAST	1765	333	18.9%	185	10.5%	146	56-44
		WEST	1753	228	13.0%	183	10.4%	113	62-38
		EAST & WEST	3518	444	12.6%	353	10.0%		
219	MANDAN	NORTH	1139	321	28.2%	197	17.3%	145	58-42
		SOUTH	1193	304	25.5%	200	16.8%	98	67-33
		NORTH & SOUTH	2332	453	19.4%	373	16.0%		
221	FAIRFIELD	NORTH	1606	226	14.1%	168	10.5%	118	59-41
		SOUTH	1629	234	14.4%	200	12.3%	113	64-36
		NORTH & SOUTH	3235	365	11.3%	324	10.0%		
229	COOPERSTOWN	EAST	437	110	25.2%	60	13.7%	41	59-41
		WEST	418	209	50.0%	55	13.2%	34	62-38
		EAST & WEST	855	247	28.9%	102	11.9%		
233	FOXHOLM	EAST	1181	272	23.0%	131	11.1%	58	69-31
		WEST	1195	152	12.7%	132	11.0%	99	57-43
		EAST & WEST	2376	366	15.4%	238	10.0%		
237	NEKOMA	NORTH	434	68	15.7%	55	12.7%	32	63-37
		SOUTH	435	92	21.1%	57	13.1%	44	56-44
		NORTH & SOUTH	869	121	13.9%	103	11.9%		
239	NEW TOWN	EAST	2531	369	14.6%	268	10.6%	197	58-42
		WEST	2592	360	13.9%	257	9.9%	217	54-46
		EAST & WEST	5123	641	12.5%	511	10.0%		
241	BOTTINEAU	EAST	649	153	23.6%	100	15.4%	57	64-36
		WEST	664	129	19.4%	91	13.7%	45	67-33
		EAST & WEST	1313	195	14.9%	156	11.9%		
251	HAGUE	NORTH	500	123	24.6%	73	14.6%	34	68-32
		SOUTH	500	131	26.2%	89	17.8%	17	84-16
		NORTH & SOUTH	1000	156	15.6%	128	12.8%		
253	RUGBY	EAST	1524	238	15.6%	194	12.7%	133	59-41
		WEST	1502	248	16.5%	197	13.1%	125	61-39
		EAST & WEST	3026	431	14.2%	355	11.7%		
255	CROSBY	EAST	509	102	20.0%	59	11.6%	37	61-39
		WEST	485	89	18.4%	56	11.5%	26	68-32
		EAST & WEST	994	152	15.3%	103	10.4%		
257	WILLISTON	EAST	898	142	15.8%	95	10.6%	101	48-52
		WEST	977	157	16.1%	137	14.0%	56	71-29
		EAST & WEST	1875	217	11.6%	198	10.6%		
261	CARRINGTON	NORTH	976	198	20.3%	129	13.2%	80	62-38
		SOUTH	970	245	25.3%	113	11.6%	50	69-31

**PERMANENT STATION  
PEAK HOUR & DESIGN HOUR  
STATISTICS FOR 2016**

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
<b>PRINCIPAL ARTERIAL RURAL</b>									
261	CARRINGTON	NORTH & SOUTH	1946	300	15.4%	230	11.8%		
271	GOLDEN VALLEY	EAST	623	193	31.0%	72	11.6%	42	63-37
		WEST	620	109	17.6%	76	12.3%	50	60-40
		EAST & WEST	1243	231	18.6%	129	10.4%		
273	NEW LEIPZIG	EAST	190	61	32.1%	26	13.7%	16	62-38
		WEST	191	40	20.9%	25	13.1%	18	58-42
		EAST & WEST	381	72	18.9%	46	12.1%		
281	SAWYER	EAST	2400	389	16.2%	360	15.0%	163	69-31
		WEST	2439	388	15.9%	345	14.1%	115	75-25
		EAST & WEST	4839	576	11.9%	541	11.2%		
297	WILLISTON NW	NORTH	1465	357	24.4%	236	16.1%	142	62-38
		SOUTH	1459	235	16.1%	188	12.9%	93	67-33
		NORTH & SOUTH	2924	480	16.4%	378	12.9%		
303	MICHIGAN	EAST	2065	376	18.2%	247	12.0%	183	57-43
		WEST	2062	280	13.6%	190	9.2%	197	49-51
		EAST & WEST	4127	634	15.4%	384	9.3%		
307	WASHBURN	NORTH	2912	539	18.5%	366	12.6%	394	48-52
		SOUTH	2894	479	16.6%	360	12.4%	250	59-41
		NORTH & SOUTH	5806	826	14.2%	671	11.6%		
309	NEWTOWN EAST	EAST	2020	330	16.3%	288	14.3%	124	70-30
		WEST	1971	241	12.2%	217	11.0%	94	70-30
		EAST & WEST	3991	493	12.4%	441	11.0%		
337	BLAISDELL E2	EAST	2475	528	21.3%	395	16.0%	130	75-25
		WEST	2532	467	18.4%	397	15.7%	66	86-14
		EAST & WEST	5007	699	14.0%	579	11.6%		
339	GRASSY BUTTE	NORTH	1605	199	12.4%	162	10.1%	135	55-45
		SOUTH	1612	218	13.5%	190	11.8%	115	62-38
		NORTH & SOUTH	3217	343	10.7%	319	9.9%		
341	ALEXANDER85W	NORTH	3226	434	13.5%	353	10.9%	258	58-42
		SOUTH	3240	422	13.0%	328	10.1%	199	62-38
		NORTH & SOUTH	6466	727	11.2%	619	9.6%		
343	WATFORD E23	EAST	2517	680	27.0%	592	23.5%	90	87-13
		WEST	2514	599	23.8%	486	19.3%	168	74-26
		EAST & WEST	5031	786	15.6%	707	14.1%		
351	COLUMBUS W5	EAST	328	67	20.4%	44	13.4%	25	64-36
		WEST	316	53	16.8%	39	12.3%	29	57-43
		EAST & WEST	644	91	14.1%	72	11.2%		
419	EMERADO W2	EAST	3331	507	15.2%	370	11.1%	213	63-37
		WEST	3390	611	18.0%	463	13.7%	364	56-44
		EAST & WEST	6721	958	14.3%	776	11.5%		
423	HARVEY N3	NORTH	326	123	37.7%	47	14.4%	31	60-40
		SOUTH	328	80	24.4%	44	13.4%	30	59-41

**PERMANENT STATION  
PEAK HOUR & DESIGN HOUR  
STATISTICS FOR 2016**

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
<b>PRINCIPAL ARTERIAL RURAL</b>									
423	HARVEY N3	NORTH & SOUTH	654	144	22.0%	81	12.4%		
429	LAKOTA S1	NORTH	296	70	23.6%	42	14.2%	31	58-42
		SOUTH	306	66	21.6%	48	15.7%	41	54-46
		NORTH & SOUTH	602	117	19.4%	81	13.5%		
447	DUNSEITH E	NORTH	1296	243	18.8%	142	11.0%	85	63-37
		SOUTH	1308	235	18.0%	160	12.2%	124	56-44
		NORTH & SOUTH	2604	328	12.6%	286	11.0%		
449	SHEYENNE N	NORTH	610	124	20.3%	82	13.4%	73	53-47
		SOUTH	608	103	16.9%	81	13.3%	56	59-41
		NORTH & SOUTH	1218	188	15.4%	146	12.0%		
<b>MINOR ARTERIAL RURAL</b>									
231	GRAFTON	EAST	1264	357	28.2%	162	12.8%	87	65-35
		WEST	1274	331	26.0%	172	13.5%	90	66-34
		EAST & WEST	2538	405	16.0%	288	11.3%		
247	COURTENAY	NORTH	247	62	25.1%	40	16.2%	12	77-23
		SOUTH	243	46	18.9%	33	13.6%	20	62-38
		NORTH & SOUTH	490	87	17.8%	62	12.7%		
249	GARRISON	EAST	928	188	20.3%	136	14.7%	74	65-35
		WEST	887	206	23.2%	136	15.3%	74	65-35
		EAST & WEST	1815	314	17.3%	252	13.9%		
275	HANNOVER	NORTH	544	102	18.8%	83	15.3%	76	52-48
		SOUTH	547	113	20.7%	91	16.6%	70	57-43
		NORTH & SOUTH	1091	195	17.9%	159	14.6%		
289	MANNING	NORTH	2216	389	17.6%	348	15.7%	109	76-24
		SOUTH	2201	445	20.2%	334	15.2%	156	68-32
		NORTH & SOUTH	4417	577	13.1%	490	11.1%		
291	MARMARTH	EAST	338	62	18.3%	45	13.3%	33	58-42
		WEST	360	64	17.8%	50	13.9%	18	74-26
		EAST & WEST	698	105	15.0%	85	12.2%		
293	KILLDEER	NORTH	1503	290	19.3%	224	14.9%	70	76-24
		SOUTH	1486	302	20.3%	237	15.9%	109	68-32
		NORTH & SOUTH	2989	408	13.7%	348	11.6%		
295	NECHE	NORTH	201	80	39.8%	27	13.4%	23	54-46
		SOUTH	203	52	25.6%	30	14.8%	9	77-23
		NORTH & SOUTH	404	103	25.5%	50	12.4%		
373	DICKINSON22S	NORTH	1027	195	19.0%	147	14.3%	73	67-33
		SOUTH	1020	223	21.9%	197	19.3%	47	81-19
		NORTH & SOUTH	2047	312	15.2%	274	13.4%		
461	THOMPSON W15	EAST	826	126	15.3%	111	13.4%	40	74-26
		WEST	772	142	18.4%	116	15.0%	66	64-36
		EAST & WEST	1598	221	13.8%	187	11.7%		
727	ENDERLIN E46	EAST	916	149	16.3%	109	11.9%	68	62-38

**PERMANENT STATION  
PEAK HOUR & DESIGN HOUR  
STATISTICS FOR 2016**

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
<b>MINOR ARTERIAL RURAL</b>									
727	ENDERLIN E46	WEST	910	216	23.7%	112	12.3%	57	66-34
		EAST & WEST	1826	255	14.0%	203	11.1%		
759	WILTON E36	EAST	297	85	28.6%	46	15.5%	29	61-39
		WEST	289	110	38.1%	43	14.9%	18	70-30
		EAST & WEST	586	125	21.3%	76	13.0%		
<b>MAJOR COLLECTOR - COUNTY</b>									
101	MINOT55ST NE	NORTH	1250	199	15.9%	175	14.0%	166	51-49
		SOUTH	1307	243	18.6%	183	14.0%	166	52-48
		NORTH & SOUTH	2557	435	17.0%	345	13.5%		
103	MINOT46AV NE	EAST	553	120	21.7%	97	17.5%	56	63-37
		WEST	551	263	47.7%	111	20.1%	73	60-40
		EAST & WEST	1104	287	26.0%	177	16.0%		
225	STERLING	EAST	449	112	24.9%	68	15.1%	29	70-30
		WEST	416	68	16.3%	52	12.5%	37	58-42
		EAST & WEST	865	180	20.8%	106	12.3%		
259	AYR	EAST	176	40	22.7%	26	14.8%	22	54-46
		WEST	175	55	31.4%	26	14.9%	17	60-40
		EAST & WEST	351	71	20.2%	49	14.0%		
277	REGENT	NORTH	167	86	51.5%	28	16.8%	23	55-45
		SOUTH	172	53	30.8%	28	16.3%	14	67-33
		NORTH & SOUTH	339	98	28.9%	49	14.5%		
<b>MAJOR COLLECTOR - STATE</b>									
267	TRENTON	NORTH	2040	294	14.4%	191	9.4%	132	59-41
		SOUTH	2019	267	13.2%	225	11.1%	138	62-38
		NORTH & SOUTH	4059	450	11.1%	389	9.6%		
493	ST THOMAS W	EAST	305	87	28.5%	62	20.3%	56	53-47
		WEST	296	83	28.0%	58	19.6%	71	45-55
		EAST & WEST	601	164	27.3%	117	19.5%		
783	KULM S56	NORTH	95	90	94.7%	60	63.2%	56	52-48
		SOUTH	101	102	101.0%	58	57.4%	55	51-49
		NORTH & SOUTH	196	189	96.4%	121	61.7%		
<b>PRINCIPAL ARTERIAL URBAN</b>									
287	GRAND FORKS	NORTH	11694	1,204	10.3%	1149	9.8%	1275	47-53
		SOUTH	11396	1,387	12.2%	1262	11.1%	1148	52-48
		NORTH & SOUTH	23090	2,581	11.2%	2371	10.3%		
501	FARGO (U)	NORTH	12508	1,468	11.7%	1409	11.3%	841	63-37
		SOUTH	13482	1,651	12.2%	1576	11.7%	995	61-39
		NORTH & SOUTH	25990	2,869	11.0%	2671	10.3%		
503	BISMARCK (U)	EAST	7053	835	11.8%	684	9.7%	663	51-49
		WEST	7008	874	12.5%	733	10.5%	625	54-46

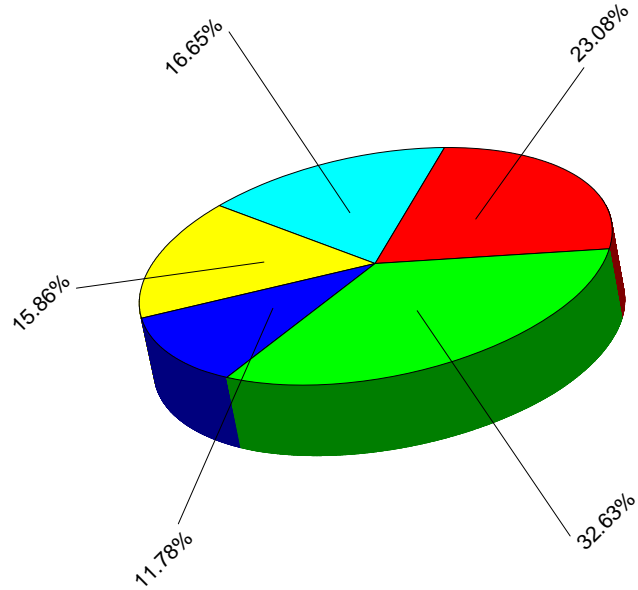
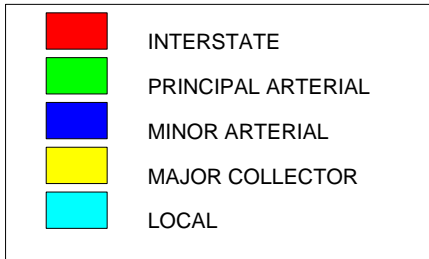
**PERMANENT STATION  
PEAK HOUR & DESIGN HOUR  
STATISTICS FOR 2016**

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
<b>PRINCIPAL ARTERIAL URBAN</b>									
503	BISMARCK (U)	EAST & WEST	14061	1,557	11.1%	1319	9.4%		
513	WFARGO MAIN (U)	EAST	3124	718	23.0%	461	14.8%	222	67-33
		WEST	3036	847	27.9%	555	18.3%	324	63-37
		EAST & WEST	6160	1,565	25.4%	912	14.8%		
603	WILLISTON (U)	EAST	3677	428	11.6%	384	10.4%	347	53-47
		WEST	3674	415	11.3%	371	10.1%	342	52-48
		EAST & WEST	7351	803	10.9%	733	10.0%		
605	MANDAN (U)	EAST	10218	2,012	19.7%	1058	10.4%	1285	45-55
		WEST	11108	2,455	22.1%	1533	13.8%	35	98-2
		EAST & WEST	21326	3,213	15.1%	2362	11.1%		
<b>MINOR ARTERIAL-URBAN</b>									
607	DICKINSON (U)	EAST	1726	277	16.0%	235	13.6%	151	61-39
		WEST	1747	271	15.5%	240	13.7%	100	71-29
		EAST & WEST	3473	454	13.1%	394	11.3%		
611	MINOT (U)	EAST	1353	216	16.0%	185	13.7%	119	61-39
		WEST	1485	316	21.3%	198	13.3%	147	57-43
		EAST & WEST	2838	397	14.0%	356	12.5%		
<b>COLLECTOR URBAN</b>									
609	MINOT (U)	EAST	1391	213	15.3%	167	12.0%	237	41-59
		WEST	1446	277	19.2%	211	14.6%	160	57-43
		EAST & WEST	2837	469	16.5%	368	13.0%		



# 2016 COMPARISON OF VEHICLE MILES TO RURAL ROAD MILES

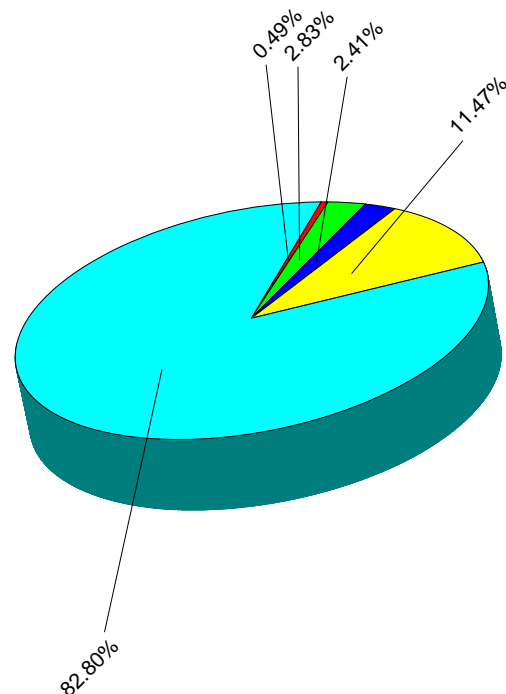
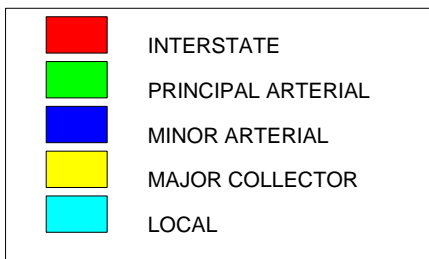
## Vehicle Miles Traveled



### Interesting Facts:

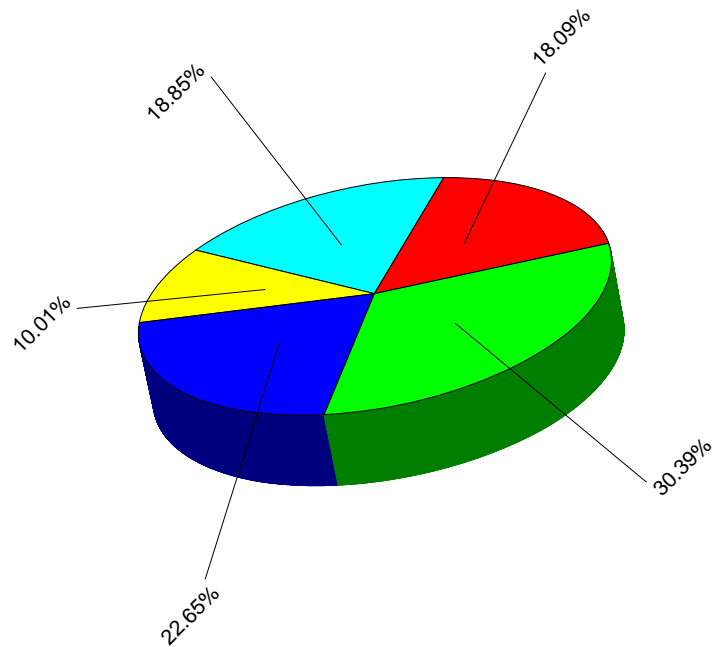
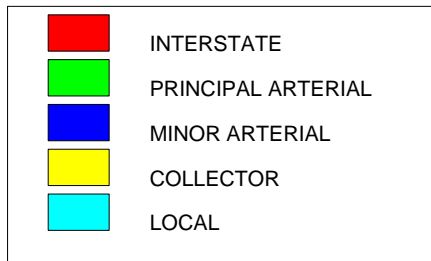
- Local roads comprise about 83% of the roads in the state but carry only about 17% of the traffic.
- Interstates comprise less than 1% of the roads but carry almost 23% of the traffic.
- Principal Arterials comprise less than 3% of the roads but carry about 33% of the traffic.

## Road Miles



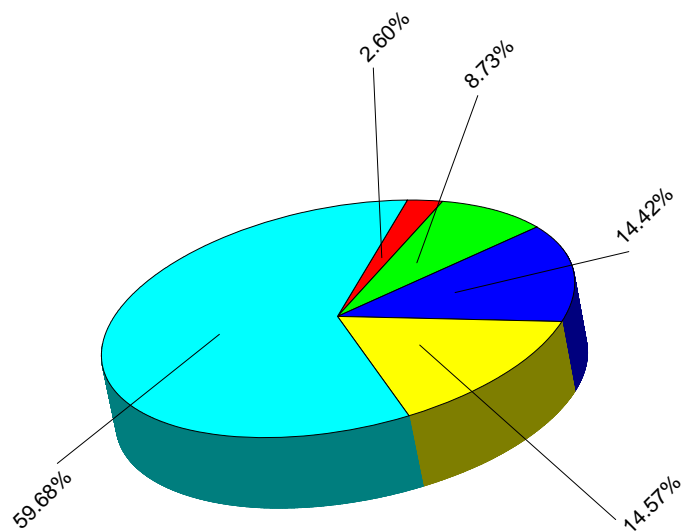
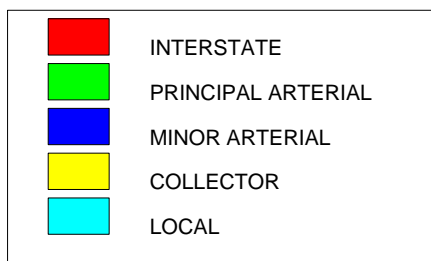
# 2016 COMPARISON OF VEHICLE MILES TO URBAN ROAD MILES

## Vehicle Miles Traveled



**Interesting Fact:**  
-Local roads comprise about 60% of the urban roads in the state but less than 19% of the traffic.

## Road Miles



**NORTH DAKOTA DEPARTMENT OF TRANSPORTATION  
SUMMARY OF 2016 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				
<b>STATE</b>							
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	
<b>TOTAL STATE HIGHWAY SYSTEM</b>	<b>6,796.5</b>	<b>621.1</b>	<b>0.5</b>	<b>0.0</b>	<b>0.0</b>	<b>7,418.1</b>	<b>3,680.9</b>
<b>COUNTY</b>							
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	
<b>TOTAL COUNTY SYSTEM</b>	<b>6,773.2</b>	<b>90.8</b>	<b>59,040.7</b>	<b>6,427.8</b>	<b>25,330.5</b>	<b>97,663.1</b>	<b>2.5</b>
<b>URBAN</b>							
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	
<b>TOTAL URBAN SYSTEM</b>	<b>1,431.6</b>	<b>260.2</b>	<b>189.2</b>	<b>1.4</b>	<b>13.9</b>	<b>1,896.5</b>	<b>44.8</b>
<b>TOTAL RURAL ROADS</b>	<b>13,459.0</b>	<b>618.7</b>	<b>59,041.2</b>	<b>6,427.8</b>	<b>25,330.5</b>	<b>104,877.3</b>	
<b>TOTAL CITY STREETS</b>	<b>1,542.3</b>	<b>353.4</b>	<b>189.2</b>	<b>1.4</b>	<b>13.9</b>	<b>2,100.4</b>	
<b>TOTAL</b>	<b>15,001.3</b>	<b>972.1</b>	<b>59,230.5</b>	<b>6,429.3</b>	<b>25,344.5</b>	<b>106,977.7</b>	
<b>TOTAL NHS</b>							<b>3,728.1</b>

**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
<b>TOTAL</b>	<b>104,877.3</b>	<b>2,100.4</b>	<b>106,977.7</b>

**2016 URBAN ANNUAL VEHICLE MILES OF TRAVEL BY FUNCTIONAL CLASS**  
 (VEHICLE MILES OF TRAVEL SHOWN IN THOUSANDS)

<b>CITY</b>	<b>INTERSTATE</b>	<b>PRINCIPAL ARTERIAL</b>	<b>MINOR ARTERIAL</b>	<b>COLLECTOR</b>	<b>LOCAL STREETS</b>	<b>TOTAL</b>
BISMARCK	48,288	202,653	82,163	63,340	65,463	461,907
DEVILS LAKE		18,639	5,933	7,158	4,760	36,491
DICKINSON	16,295	35,404	34,705	15,353	32,591	134,349
FARGO	274,265	176,899	217,599	73,428	229,492	971,683
GRAND FORKS	13,541	121,608	58,724	35,378	38,894	268,145
JAMESTOWN	19,906	27,109	10,580	9,977	13,421	80,993
MANDAN	64,353	44,762	33,760	9,454	11,101	163,429
MINOT		127,171	67,282	20,662	54,714	269,829
VALLEY CITY	15,881	5,591	6,319	4,099	6,325	38,215
WAHPETON		11,532	7,678	4,524	10,992	34,726
WEST FARGO	43,187	18,574	61,519	16,321	25,411	165,013
WILLISTON		42,888	34,548	14,693	23,395	115,524
<b>TOTAL</b>	<b>495,717</b>	<b>832,830</b>	<b>620,810</b>	<b>274,387</b>	<b>516,560</b>	<b>2,740,304</b>

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

## 2016 RURAL ANNUAL VEHICLE MILES OF TRAVEL BY FUNCTIONAL CLASS

(VEHICLE MILES OF TRAVEL SHOWN IN THOUSANDS)

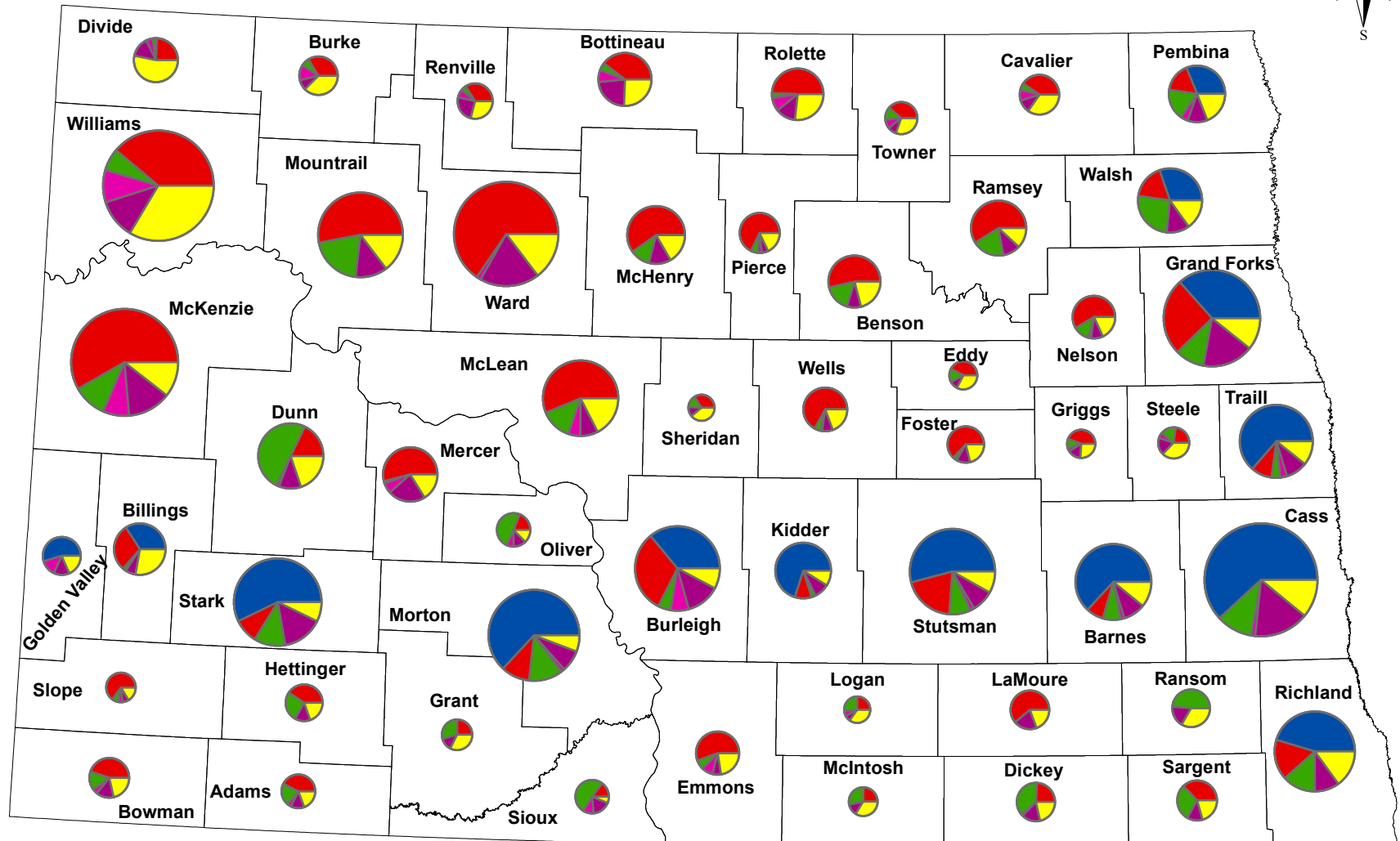
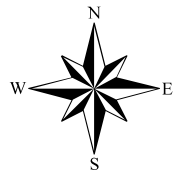
COUNTY	INTERSTATE	PRINCIPAL ARTERIAL	MINOR ARTERIAL	STATE MAJOR COLLECTOR	COUNTY MAJOR COLLECTOR	LOCAL ROADS	TOTAL
ADAMS		18,150	8,904	1,678	5,529	8,207	42,467
BARNES	134,521	15,862	16,068	3,487	20,092	23,172	213,202
BENSON		53,773	16,806	286	8,798	21,000	100,665
BILLINGS	33,784	29,136	2,213		6,396	27,352	98,882
BOTTINEAU		41,553	4,913	7,641	23,830	26,926	104,863
BOWMAN		26,410	8,909	2,537	8,452	12,590	58,899
BURKE		18,537	3,935	7,096	4,735	20,645	54,948
BURLEIGH	95,895	83,922	13,167	18,564	34,326	20,560	266,434
CASS	294,124		49,072	5,506	74,392	51,996	475,089
CAVALIER		23,743	3,231	5,223	6,193	20,300	58,690
DICKEY		13,311	19,972	781	8,668	11,684	54,417
DIVIDE		17,513	2,241	3,507	10,475	38,192	71,928
DUNN		28,324	78,587	2,333	17,218	31,226	157,688
EDDY		12,487	4,594		2,808	9,647	29,536
EMMONS		38,394	5,073	5,761	4,535	15,432	69,196
FOSTER		31,116	1,908		6,067	10,418	49,508
GOLDEN VALLEY	29,222			7,333	7,125	9,834	53,515
GRAND FORKS	125,856	88,770	33,839	2,278	58,801	36,956	346,500
GRANT		8,670	10,237		4,485	11,161	34,553
GRIGGS		13,058	3,028	1,140	4,558	7,669	29,454
HETTINGER		20,286	13,068		6,859	9,751	49,964
KIDDER	80,739	11,098	2,949		9,981	10,211	114,978
LAMOURE		33,674	475	247	10,769	10,691	55,855
LOGAN		6,454	6,666	1,775	1,784	8,913	25,592
MC HENRY		73,643	13,730	793	15,366	20,426	123,957
MC INTOSH		7,591	8,818		3,867	10,334	30,611
MC KENZIE		248,030	43,735	33,580	55,496	44,980	425,822
MC LEAN		119,426	28,522	10,932	16,177	37,124	212,181
MERCER		59,401	1,526	6,843	24,751	17,613	110,133
MORTON	194,222	31,066	37,154	4,029	23,302	17,928	307,700
MOUNTRAIL		139,915	53,296	2,634	32,410	38,735	266,990
NELSON		39,464	8,140	1,418	6,148	12,232	67,400
OLIVER		8,055	20,333	2,796	5,140	5,334	41,658
PEMBINA	36,966	19,383	21,200	5,044	13,405	22,472	118,469
PIERCE		40,350	3,178	2,128	3,061	10,681	59,398
RAMSEY		66,377	21,269		11,628	13,375	112,649
RANSOM			25,597		9,297	17,631	52,525
RENVILLE		15,593	2,343	3,497	11,172	13,394	45,998
RICHLAND	108,052	38,514	32,239		23,723	35,615	238,143
ROLETTE		48,577	3,004	8,319	12,391	26,271	98,563
SARGENT		22,008	17,739		7,432	12,127	59,306
SHERIDAN		8,623	3,799	248	2,988	9,766	25,424
SIOUX		6,197	21,407	4,192	7,263	2,536	41,595
SLOPE		21,031	2,345	1,512	2,263	5,221	32,372
STARK	162,745	25,486	32,976		42,604	20,424	284,235
STEELE		8,267	5,872	2,045	6,428	13,379	35,991
STUTSMAN	146,959	53,434	21,992	4,077	22,733	22,138	271,333
TOWNER		14,700	4,989	3,528	3,322	11,535	38,074
TRAILL	125,938	18,368	7,712	6,001	18,945	20,982	197,947
WALSH	46,211	26,617	39,013	992	17,611	22,954	153,399
WARD		265,752		5,482	75,084	59,452	405,769
WELLS		47,781	3,329	730	5,654	13,894	71,388
WILLIAMS		176,450	29,685	42,844	52,461	152,443	453,884
<b>TOTAL</b>	<b>1,615,236</b>	<b>2,284,341</b>	<b>824,798</b>	<b>230,835</b>	<b>878,998</b>	<b>1,165,531</b>	<b>6,999,739</b>

**2016 ANNUAL VEHICLE MILES OF TRAVEL BY COUNTY**

(VEHICLE MILES OF TRAVEL SHOWN IN THOUSANDS)

COUNTY	RURAL	URBAN	COUNTY TOTAL	PERCENT OF STATE TRAVEL
ADAMS	42,467		42,467	0.44%
BARNES	213,202	38,215	251,417	2.58%
BENSON	100,665		100,665	1.03%
BILLINGS	98,882		98,882	1.02%
BOTTINEAU	104,863		104,863	1.08%
BOWMAN	58,899		58,899	0.60%
BURKE	54,948		54,948	0.56%
BURLEIGH	266,434	461,907	728,341	7.48%
CASS	475,089	1,136,696	1,611,785	16.55%
CAVALIER	58,690		58,690	0.60%
DICKEY	54,417		54,417	0.56%
DIVIDE	71,928		71,928	0.74%
DUNN	157,688		157,688	1.62%
EDDY	29,536		29,536	0.30%
EMMONS	69,196		69,196	0.71%
FOSTER	49,508		49,508	0.51%
GOLDEN VALLEY	53,515		53,515	0.55%
GRAND FORKS	346,500	268,145	614,645	6.31%
GRANT	34,553		34,553	0.35%
GRIGGS	29,454		29,454	0.30%
HETTINGER	49,964		49,964	0.51%
KIDDER	114,978		114,978	1.18%
LAMOURE	55,855		55,855	0.57%
LOGAN	25,592		25,592	0.26%
MC HENRY	123,957		123,957	1.27%
MC INTOSH	30,611		30,611	0.31%
MC KENZIE	425,822		425,822	4.37%
MC LEAN	212,181		212,181	2.18%
MERCER	110,133		110,133	1.13%
MORTON	307,700	163,429	471,129	4.84%
MOUNTRAIL	266,990		266,990	2.74%
NELSON	67,400		67,400	0.69%
OLIVER	41,658		41,658	0.43%
PEMBINA	118,469		118,469	1.22%
PIERCE	59,398		59,398	0.61%
RAMSEY	112,649	36,491	149,139	1.53%
RANSOM	52,525		52,525	0.54%
RENVILLE	45,998		45,998	0.47%
RICHLAND	238,143	34,726	272,869	2.80%
ROLETTE	98,563		98,563	1.01%
SARGENT	59,306		59,306	0.61%
SHERIDAN	25,424		25,424	0.26%
SIOUX	41,595		41,595	0.43%
SLOPE	32,372		32,372	0.33%
STARK	284,235	134,349	418,584	4.30%
STEELE	35,991		35,991	0.37%
STUTSMAN	271,333	80,993	352,326	3.62%
TOWNER	38,074		38,074	0.39%
TRAILL	197,947		197,947	2.03%
WALSH	153,399		153,399	1.57%
WARD	405,769	269,829	675,599	6.94%
WELLS	71,388		71,388	0.73%
WILLIAMS	453,884	115,524	569,408	5.85%
<b>TOTAL</b>	<b>6,999,739</b>	<b>2,740,304</b>	<b>9,740,043</b>	<b>100.00%</b>

# 2016 RURAL ANNUAL VEHICLE MILES OF TRAVEL BY FUNCTIONAL CLASSIFICATION



(47)

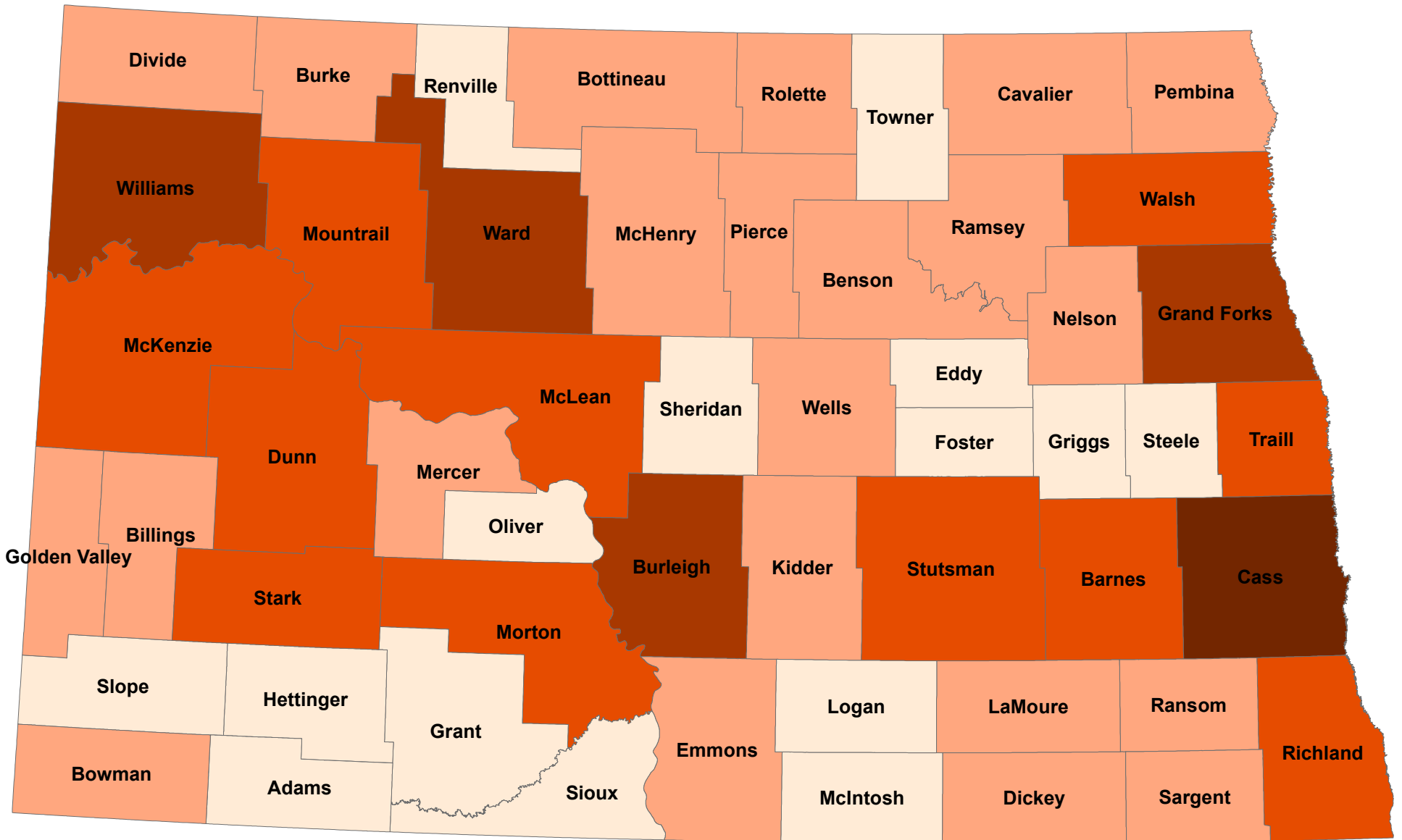
## FUNCTIONAL CLASSES

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

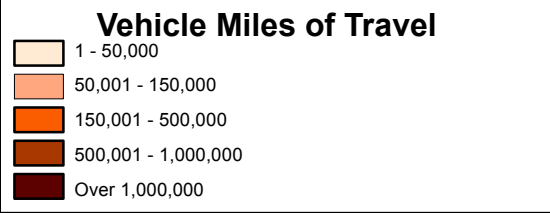
NOTES: - Data from page 45 of this report.  
 - The size of each individual pie chart is representative of the total VMT in that county.

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# 2016 TOTAL ANNUAL VEHICLE MILES OF TRAVEL



(48)



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

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## Statewide VMT

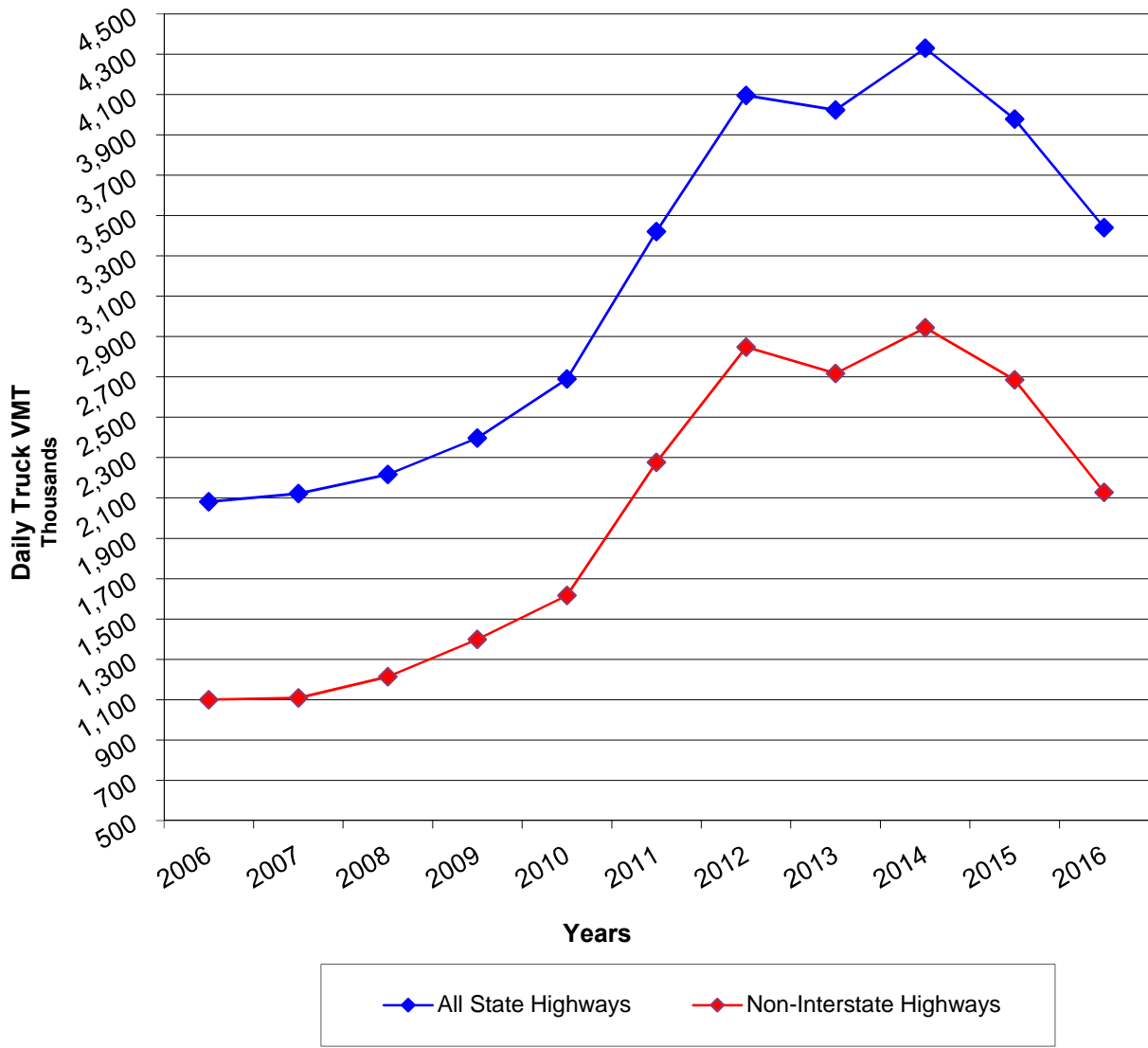
### All State Highways

Years	Annual Daily VMT	Annual VMT	Annual Daily Truck VMT	Annual Truck VMT	% Total Trucks	% Combination Trucks
2000	12,161,423	4,438,919,395	1,784,956	651,508,940	14.68%	10.68%
2001	12,069,946	4,405,530,290	1,959,965	715,387,225	16.24%	12.24%
2002	12,372,609	4,516,002,285	2,065,392	753,868,080	16.69%	12.69%
2003	12,584,059	4,593,181,535	2,132,255	778,273,075	16.94%	12.94%
2004	12,834,849	4,684,719,885	2,139,703	780,991,595	16.67%	12.67%
2005	12,843,726	4,687,959,947	2,109,678	770,032,420	16.43%	12.43%
2006	12,864,635	4,695,591,775	2,081,109	759,604,785	16.18%	12.18%
2007	13,143,830	4,797,497,950	2,121,611	774,388,015	16.14%	12.14%
2008	13,070,318	4,770,666,070	2,216,080	808,869,200	16.96%	12.96%
2009	13,924,765	5,082,539,225	2,397,242	874,993,330	17.22%	13.22%
2010	14,820,481	5,409,475,565	2,690,766	982,129,590	18.16%	14.16%
2011	16,243,388	5,928,836,620	3,420,858	1,248,613,170	21.06%	17.06%
2012	18,271,885	6,669,238,025	4,096,544	1,495,238,560	22.42%	18.42%
2013	17,989,449	6,566,148,885	4,023,974	1,468,750,510	22.37%	18.37%
2014	18,471,109	6,741,954,785	4,329,803	1,580,378,095	23.44%	19.44%
2015	17,488,653	6,383,358,345	3,978,593	1,452,186,369	22.75%	18.75%
2016	16,817,236	6,138,291,065	3,440,612	1,255,823,280	20.46%	16.46%

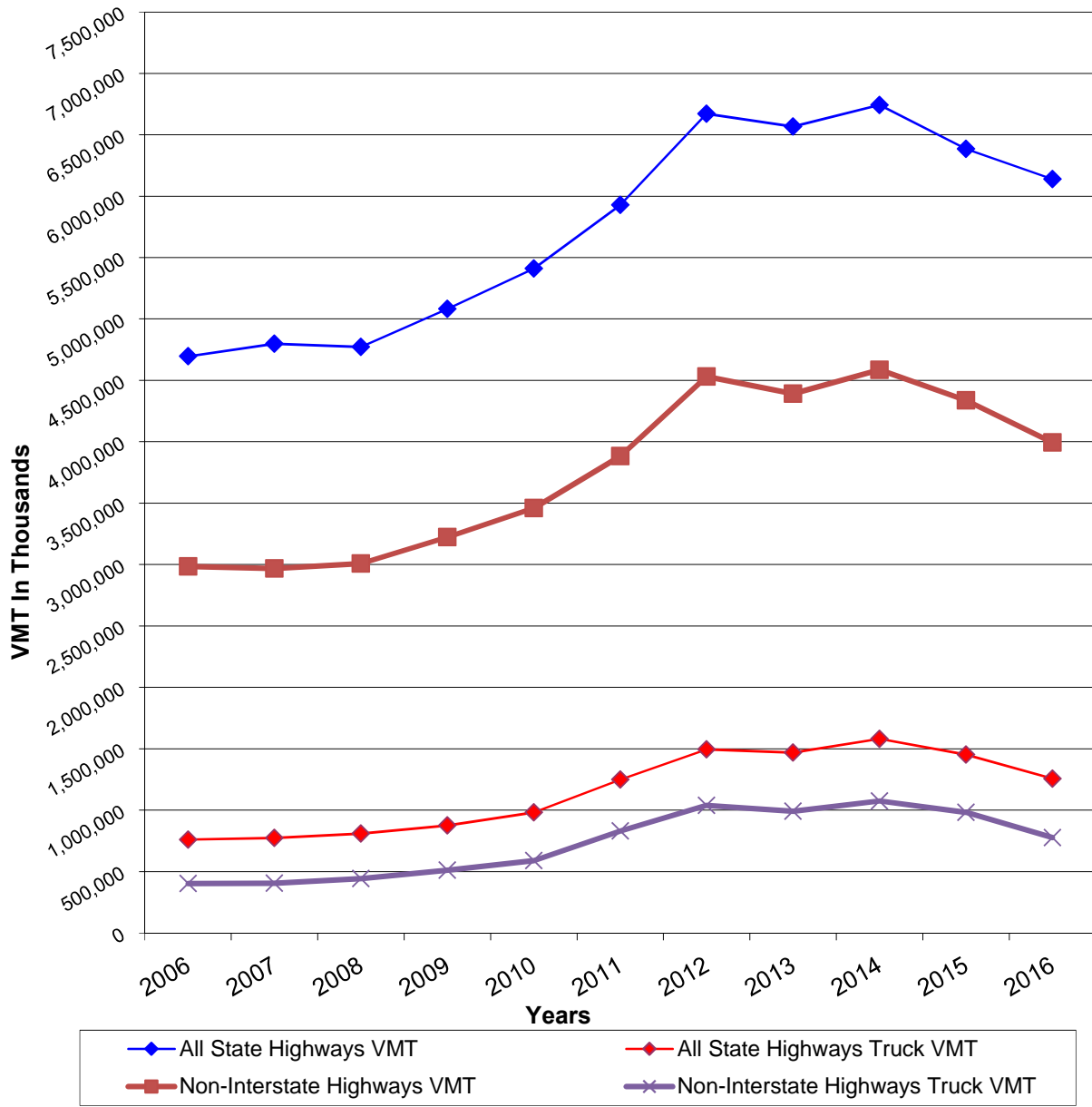
### Non-Interstate Highways

Years	Annual Daily VMT	Annual VMT	Annual Daily Truck VMT	Annual Truck VMT	% Total Trucks	% Combination Trucks
2000	7,987,867	2,915,571,455	995,695	363,428,675	12.47%	9.47%
2001	7,872,873	2,873,598,645	1,092,789	398,867,985	13.88%	10.88%
2002	7,998,087	2,919,301,755	1,169,617	426,910,205	14.62%	11.62%
2003	8,063,953	2,943,342,845	1,210,348	441,777,020	15.01%	12.01%
2004	8,106,756	2,958,965,940	1,181,721	431,328,165	14.58%	11.58%
2005	8,161,190	2,978,834,350	1,154,376	421,347,240	14.14%	11.14%
2006	8,177,826	2,984,906,490	1,100,032	401,511,680	13.45%	10.45%
2007	8,131,192	2,967,885,080	1,108,160	404,478,400	13.63%	10.63%
2008	8,242,828	3,008,632,220	1,213,812	443,041,380	14.73%	11.73%
2009	8,831,321	3,223,432,165	1,398,467	510,440,455	15.84%	12.84%
2010	9,480,532	3,460,394,180	1,616,106	589,878,690	17.05%	14.05%
2011	10,638,070	3,882,895,550	2,276,547	830,939,655	21.40%	18.40%
2012	12,413,930	4,531,084,450	2,847,472	1,039,327,280	22.94%	19.94%
2013	12,030,186	4,391,017,890	2,717,706	991,962,690	22.59%	19.59%
2014	12,564,043	4,585,875,695	2,943,663	1,074,436,995	23.43%	20.43%
2015	11,878,812	4,335,766,380	2,685,773	980,307,145	22.61%	19.61%
2016	10,940,657	3,993,339,794	2,127,912	776,688,010	19.45%	16.45%

**Annual Daily Truck VMT for Statewide**



### Annual VMT for Statewide



## VMT for Interstate

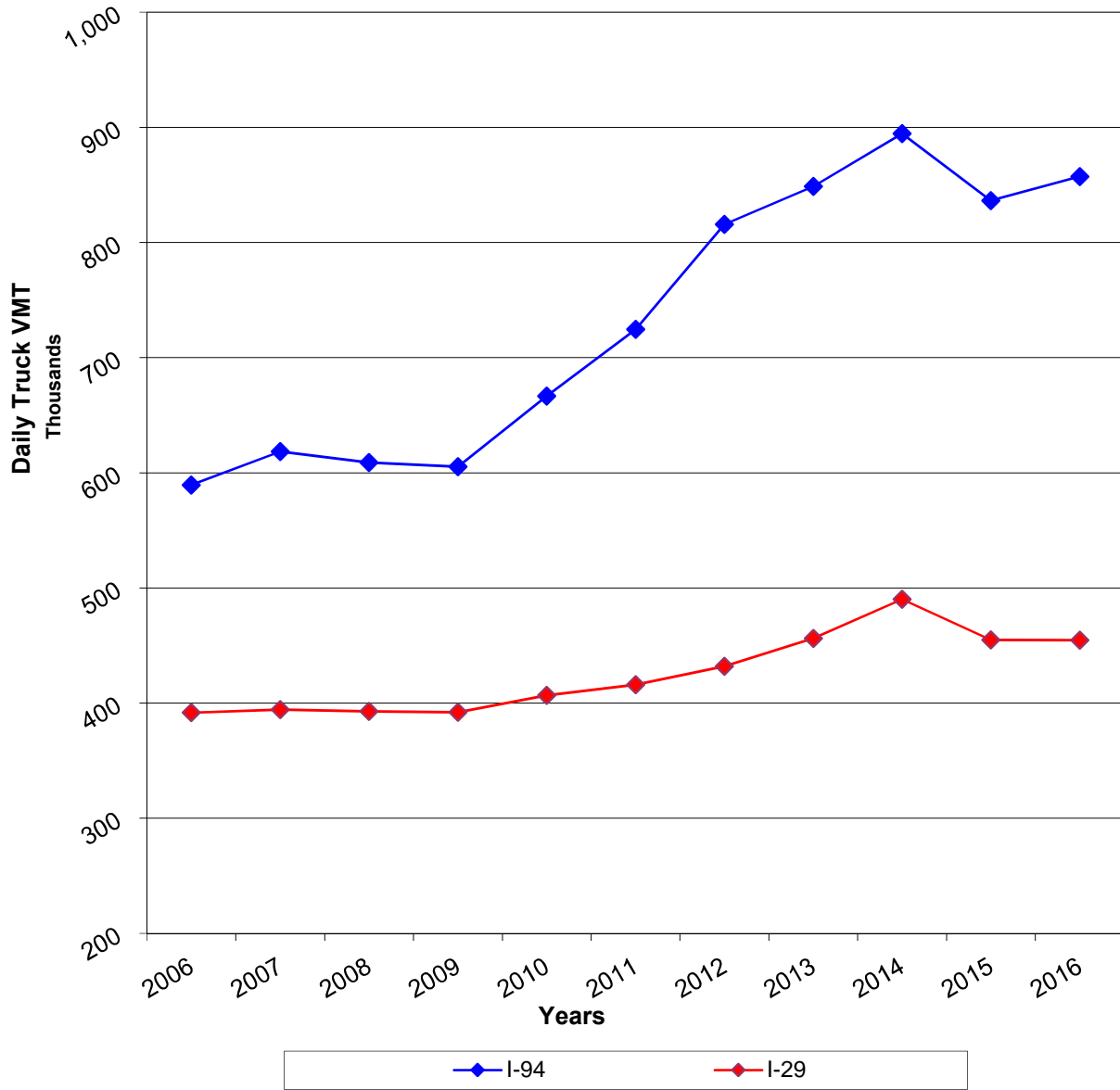
### I-94

Years	Annual Daily VMT	Annual VMT	Annual Daily Truck VMT	Annual Truck VMT	% Total Trucks	% Combination Trucks
1999	2,433,087	888,076,755	446,754	163,065,210	18.36%	14.36%
2000	2,556,535	933,135,275	470,392	171,693,080	18.40%	14.40%
2001	2,526,691	922,242,215	521,943	190,509,195	20.66%	16.66%
2002	2,635,093	961,808,945	524,858	191,573,170	19.92%	15.92%
2003	2,692,975	982,935,875	536,105	195,678,325	19.91%	15.91%
2004	2,860,897	1,044,227,405	563,806	205,789,190	19.71%	15.71%
2005	2,821,424	1,029,819,585	563,819	205,794,052	19.98%	15.98%
2006	2,798,960	1,021,620,400	589,420	215,138,300	21.06%	17.06%
2007	3,017,981	1,101,563,065	618,409	225,719,285	20.49%	16.49%
2008	2,850,232	1,040,334,680	608,886	222,243,390	21.36%	17.36%
2009	3,023,712	1,103,654,880	605,289	220,930,485	20.02%	16.02%
2010	3,234,497	1,180,591,405	666,693	243,342,945	20.61%	16.61%
2011	3,521,263	1,285,260,995	724,509	264,445,785	20.58%	16.58%
2012	3,728,705	1,360,977,325	815,713	297,735,245	21.88%	17.88%
2013	3,775,960	1,378,225,400	848,651	309,757,615	22.48%	18.48%
2014	3,733,347	1,362,671,655	894,610	326,532,650	23.96%	19.96%
2015	3,539,974	1,292,090,506	836,490	305,318,857	23.63%	19.63%
2016	3,751,448	1,369,278,538	857,305	312,916,208	22.85%	18.85%

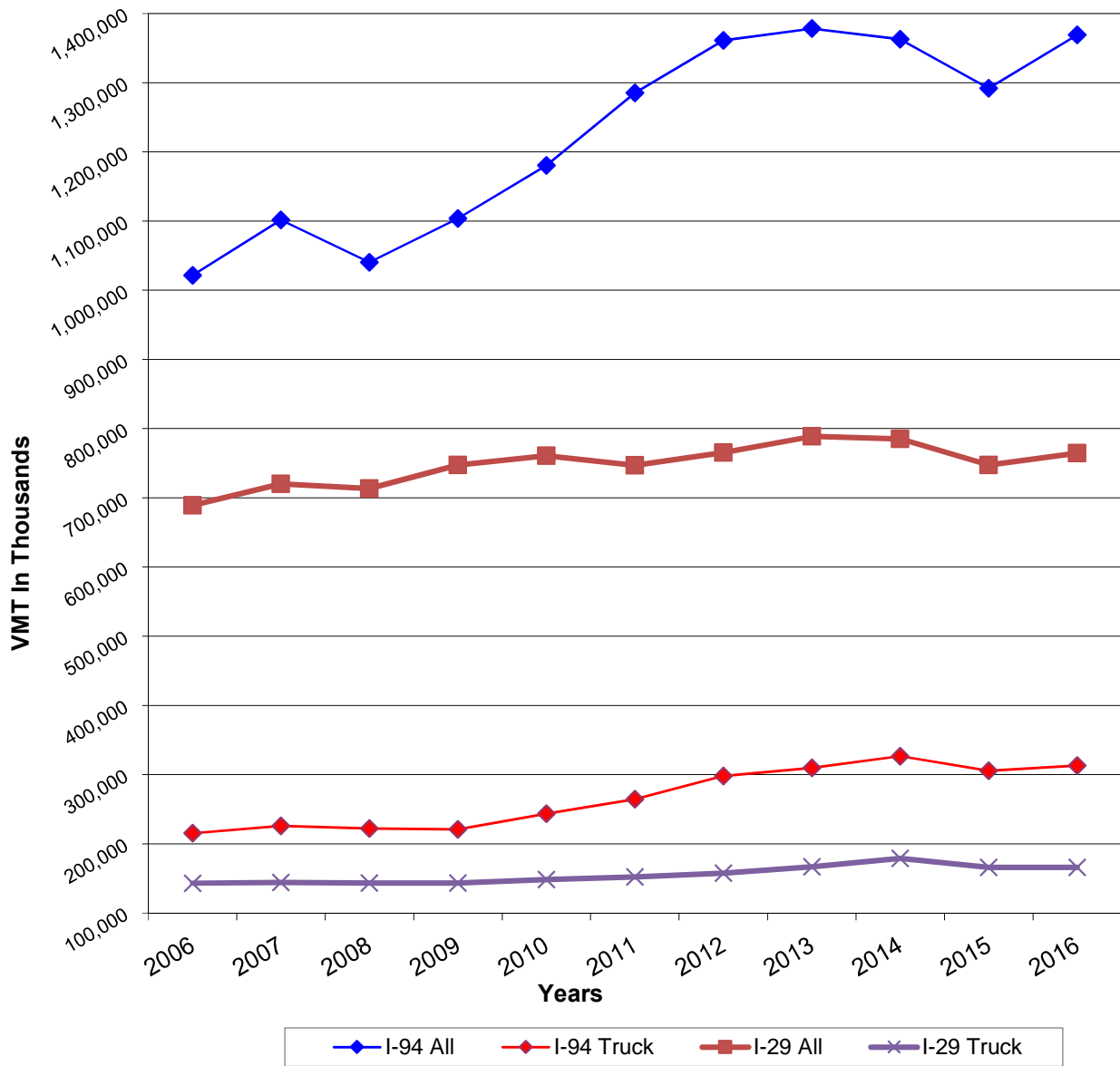
### I-29

Years	Annual Daily VMT	Annual VMT	Annual Daily Truck VMT	Annual Truck VMT	% Total Trucks	% Combination Trucks
1999	1,626,724	593,754,260	295,193	107,745,445	18.15%	15.15%
2000	1,617,021	590,212,665	318,869	116,387,185	19.72%	16.72%
2001	1,670,382	609,689,430	345,233	126,010,045	20.67%	17.67%
2002	1,739,429	634,891,585	370,917	135,384,705	21.32%	18.32%
2003	1,827,132	666,903,180	385,802	140,817,730	21.12%	18.12%
2004	1,867,196	681,526,540	394,176	143,874,240	21.11%	18.11%
2005	1,861,112	679,305,752	391,483	142,891,441	21.03%	18.03%
2006	1,887,849	689,064,885	391,657	142,954,805	20.75%	17.75%
2007	1,972,376	719,917,240	394,295	143,917,675	19.99%	16.99%
2008	1,954,977	713,566,605	392,635	143,311,775	20.08%	17.08%
2009	2,048,101	747,556,865	392,097	143,115,405	19.14%	16.14%
2010	2,083,822	760,595,030	406,578	148,400,970	19.51%	16.51%
2011	2,045,921	746,761,165	416,022	151,848,030	20.33%	17.33%
2012	2,097,150	765,459,750	431,954	157,663,210	20.60%	17.60%
2013	2,160,887	788,723,755	456,211	166,517,015	21.11%	18.11%
2014	2,151,302	785,225,230	490,126	178,895,990	22.78%	19.78%
2015	2,047,449	747,318,943	454,926	166,048,023	22.22%	19.22%
2016	2,094,995	764,673,139	454,623	165,937,501	21.70%	18.70%

**Annual Daily Truck VMT for Interstate**



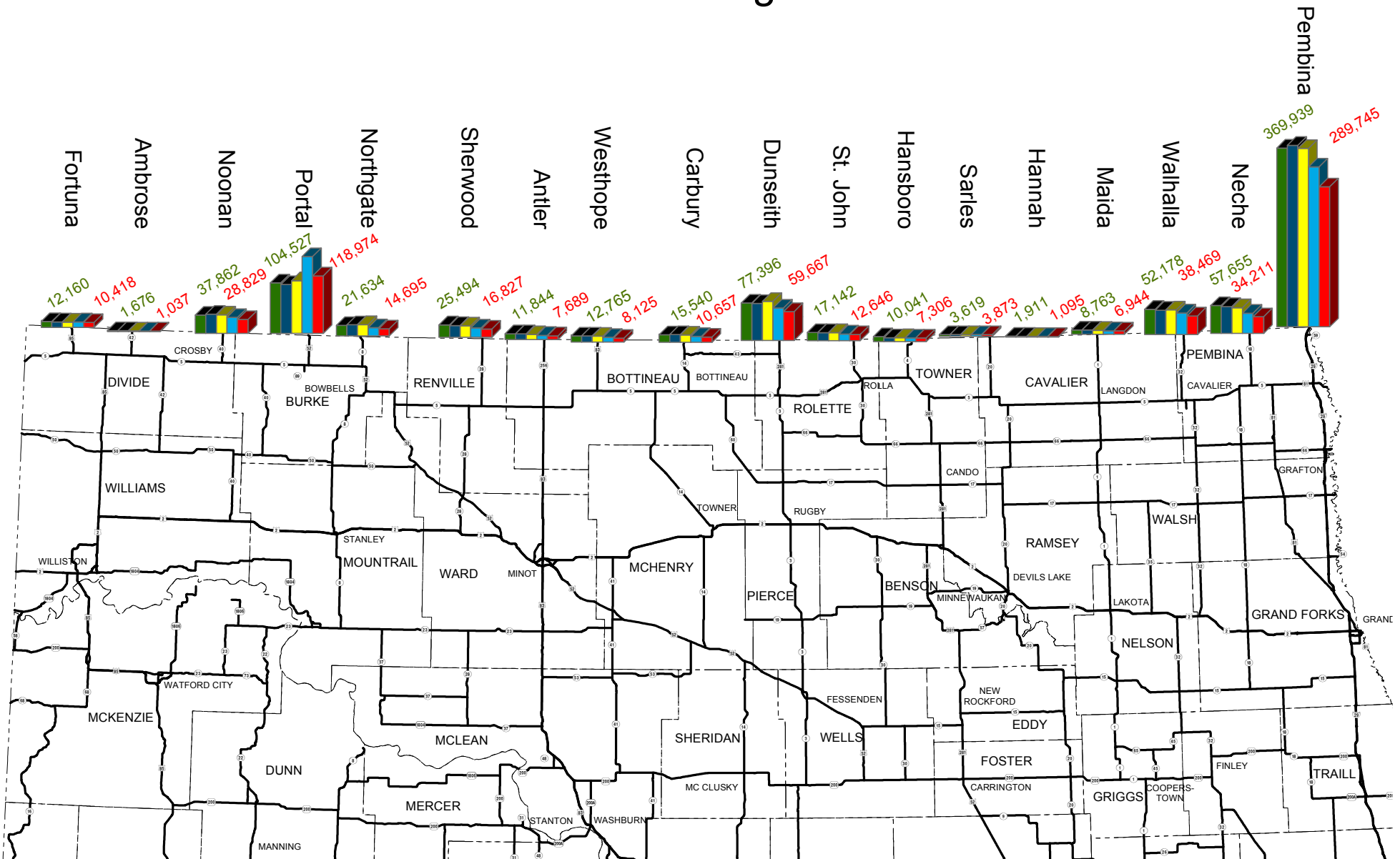
### Annual VMT for Interstate



**BORDER CROSSINGS**  
(VEHICLES ENTERING THE UNITED STATES FROM CANADA)

PORT OF ENTRY	HWY	----- AUTOMOBILES -----			----- TRUCKS -----		
		FISCAL 2015	FISCAL 2016	% CHANGE	FISCAL 2015	FISCAL 2016	% CHANGE
FORTUNA	85	11,582	10,418	-10.05%	5,545	8,059	45.34%
AMBROSE	42	1,154	1,037	-10.14%	62	10	-83.87%
NOONAN	40	32,915	28,829	-12.41%	4,590	4,321	-5.86%
PORTAL	52	158,926	118,974	-25.14%	87,004	72,185	-17.03%
NORTHGATE	8	17,106	14,695	-14.09%	12,247	11,360	-7.24%
SHERWOOD	28	19,221	16,827	-12.46%	9,222	6,938	-24.77%
ANTLER	256	8,528	7,689	-9.84%	1,025	952	-7.12%
WESTHOPE	83	10,051	8,125	-19.16%	6,058	10,417	71.95%
CARBURY	14	12,237	10,657	-12.91%	1,030	1,315	27.67%
DUNSEITH	281	66,941	59,667	-10.87%	25,856	25,654	-0.78%
ST. JOHN	30	14,007	12,646	-9.72%	353	378	7.08%
HANSBORO	4	7,164	7,306	1.98%	401	383	-4.49%
SARLES	20	3,609	3,873	7.32%	1,254	988	-21.21%
HANNAH	CMC 1013	1,364	1,095	-19.72%	290	70	-75.86%
MAIDA	1	7,334	6,944	-5.32%	2,698	2,318	-14.08%
WALHALLA	32	44,534	38,469	-13.62%	13,734	8,530	-37.89%
NECHE	18	41,664	34,211	-17.89%	8,957	9,160	2.27%
PEMBINA	I-29	330,996	289,745	-12.46%	218,095	215,867	-1.02%
<b>TOTAL</b>		<b>789,333</b>	<b>671,207</b>	<b>-14.97%</b>	<b>398,421</b>	<b>378,905</b>	<b>-4.90%</b>

# Total Auto Volume Entering from Canada



(56)

## Bar Chart Years



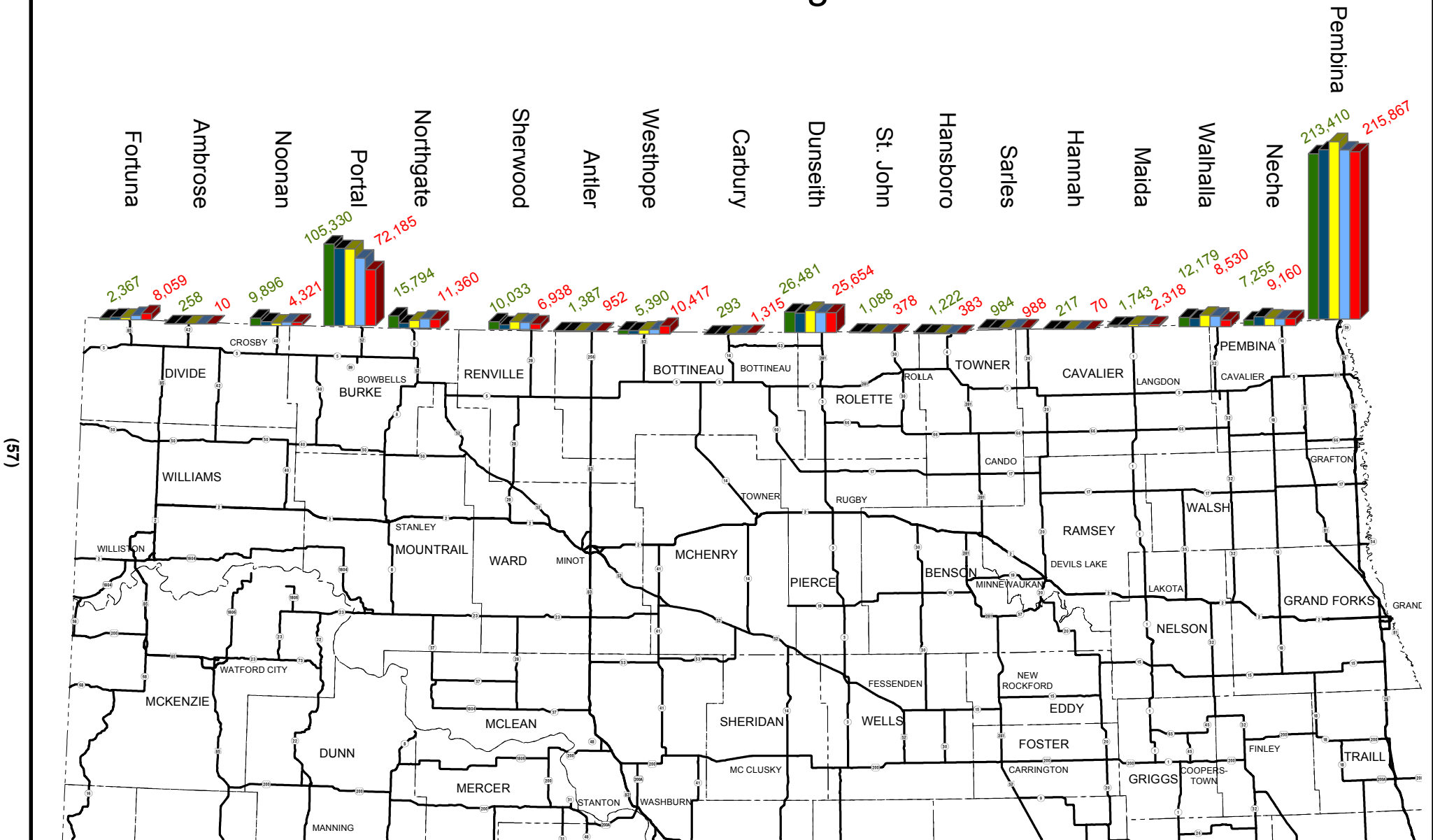
NOTE - The size of the bar chart corresponds to total autos by border crossing.  
 - The numbers given above the charts are for the years 2012 (green) and 2016 (red).  
 - This border crossing data is provided by the U.S. Department of Homeland Security.  
 - The reporting period was for the 2016 fiscal year which ran from Oct. 1, 2015 to Sept. 30, 2016.



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# Total Truck Volume Entering from Canada



## Bar Chart Years

- 2011
- 2012
- 2013
- 2014
- 2015

NOTE - The size of the bar chart corresponds to total trucks by border crossing.  
 - The numbers given above the charts are for the years 2012 (green) and 2016 (red).  
 - This border crossing data is provided by the U.S. Department of Homeland Security.  
 - The reporting period was for the 2016 fiscal year which ran from Oct. 1, 2015 to Sept. 30, 2016.



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