

NORTH DAKOTA 2013 TRAFFIC REPORT



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

February 2014

NORTH DAKOTA 2013 TRAFFIC REPORT

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

**DIRECTOR
Grant Levi, P. E.**

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

February 2014

CONTENTS

	<u>Page</u>
Overview.....	1
History of Traffic and Related Data.....	2
Graph of Traffic and Related Data.....	4
Twelve Major City Coverage Counts.....	7
ATR Location and Description.....	8
 Maps:	
State Traffic Counting Regions 2010 and after.....	5
State Traffic Counting Regions Prior to 2010.....	6
ATR Stations Map.....	10
WIM Stations Map.....	11
National Highway System.....	12
Traffic Flow Map - Traffic Data 2013.....	13
AADT Map.....	14
Truck AADT Map.....	15
Equivalent Single Axle Loads Map.....	16
Sugar Beet Production and Truck Routes.....	17
 ATR Data:	
AADT Trends at Each Station.....	18
Truck Trends at Each ATR Station.....	20
 Total Traffic Variations:	
Hourly.....	22
Daily.....	28
Monthly.....	29
Seasonal.....	31
 Truck Traffic Variations:	
Daily.....	32
Monthly.....	33
Seasonal.....	34
Peak Hour, Design Hour and Directional Distribution at ATR Stations.....	35

Vehicle Miles Estimates:

Miles Traveled Versus Miles of Road Served.....	40
Summary of Existing Mileage for Rural and Urban Roads...	42
Annual VMT for the 12 Major Cities.....	43
Rural Annual VMT by Functional Class	44
Annual Vehicle Miles Travel by County.....	45
2013 Rural Annual VMT Map	46
2013 Total Annual VMT Map	47
Daily Truck VMT for Statewide.....	48
Daily Truck VMT for Interstate.....	50
Border Crossings Summary.....	52
Total Auto Volume Entering from Canada Map.....	53
Total Truck Volume Entering from Canada Map.....	54

OVERVIEW

This report contains summaries of data obtained from studies conducted in 2013 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. Since 1963 this information has been compiled and presented as an annual report. Due to the continuing demand for this information, the annual report has continued to ensure that this information is readily available.

Included are maps, graphs, and tabulations that illustrate annual average daily traffic (AADT); percent of travel by hour, month, and season; and estimates of annual vehicle miles of travel 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 ATR stations and 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 obtained with portable equipment. Short-term counts were obtained at approximately 4900 locations on various highways, roads, and streets over the western third and the eastern third of the state.
3. Weigh-In-Motion (WIM) sensors were installed at 12 locations.

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) 328-1893.

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

<http://www.dot.nd.gov/road-map/traffic/index.htm#>

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

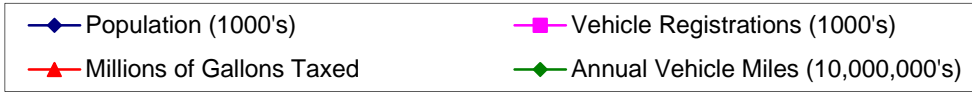
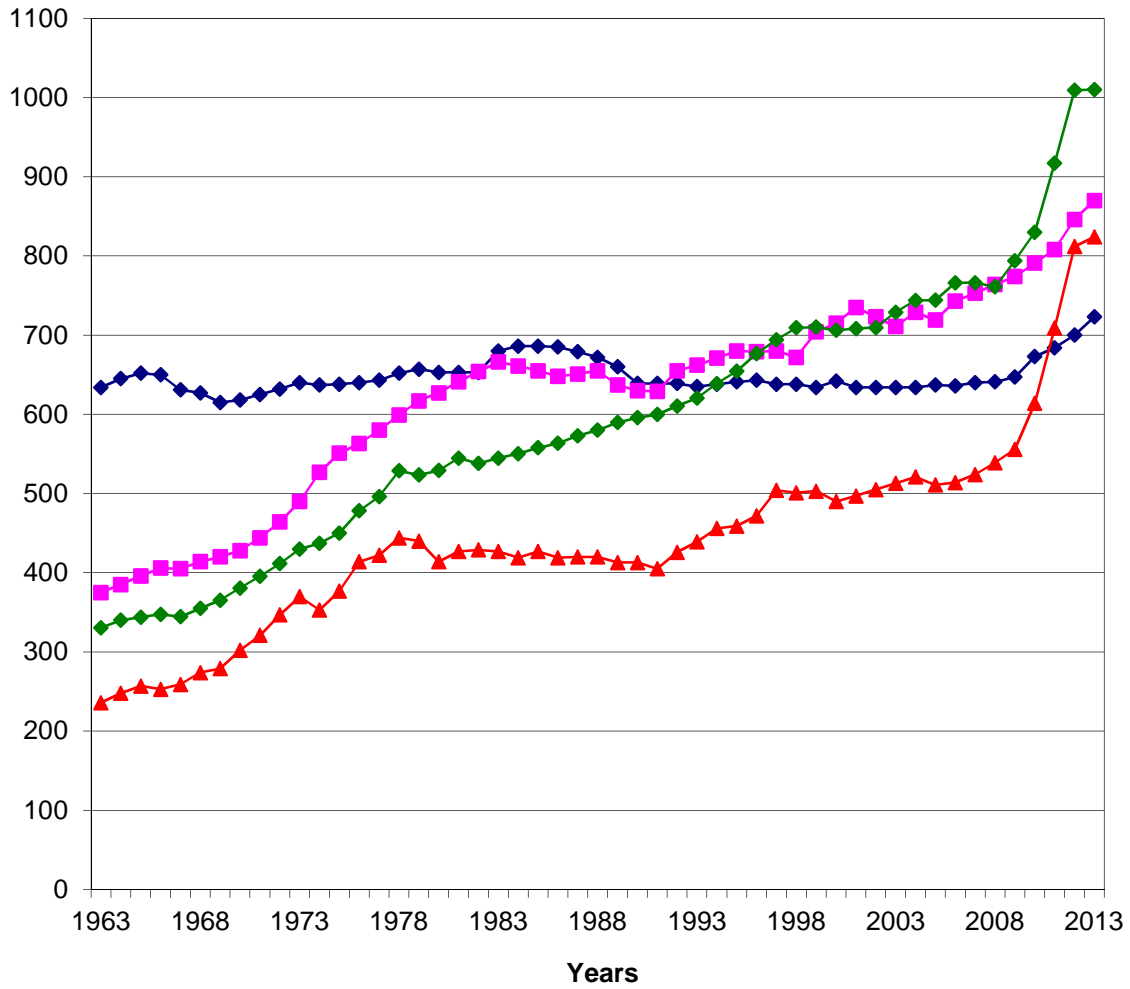
YEAR	POPULATION (1000'S)	VEHICLE REGISTRATIONS (1000'S) (REG.)	PERSONS PER VEHICLE REG.	GALLONS OF GAS AND FUEL TAXED (MILLIONS)	VEHICLE REG. PER 100 PERSONS	ANNUAL MILES PER VEHICLE	ANNUAL MILES TRAVELED PER CAPITA	ANNUAL VEHICLE MILES (MILLIONS)
1984	686	661	1.04	419	96.40	8,327	8,023	5,504
1985	686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

FUEL TAXED INCLUDES GALLONS OF GAS FOR OTHER THAN MOTOR VEHICLES

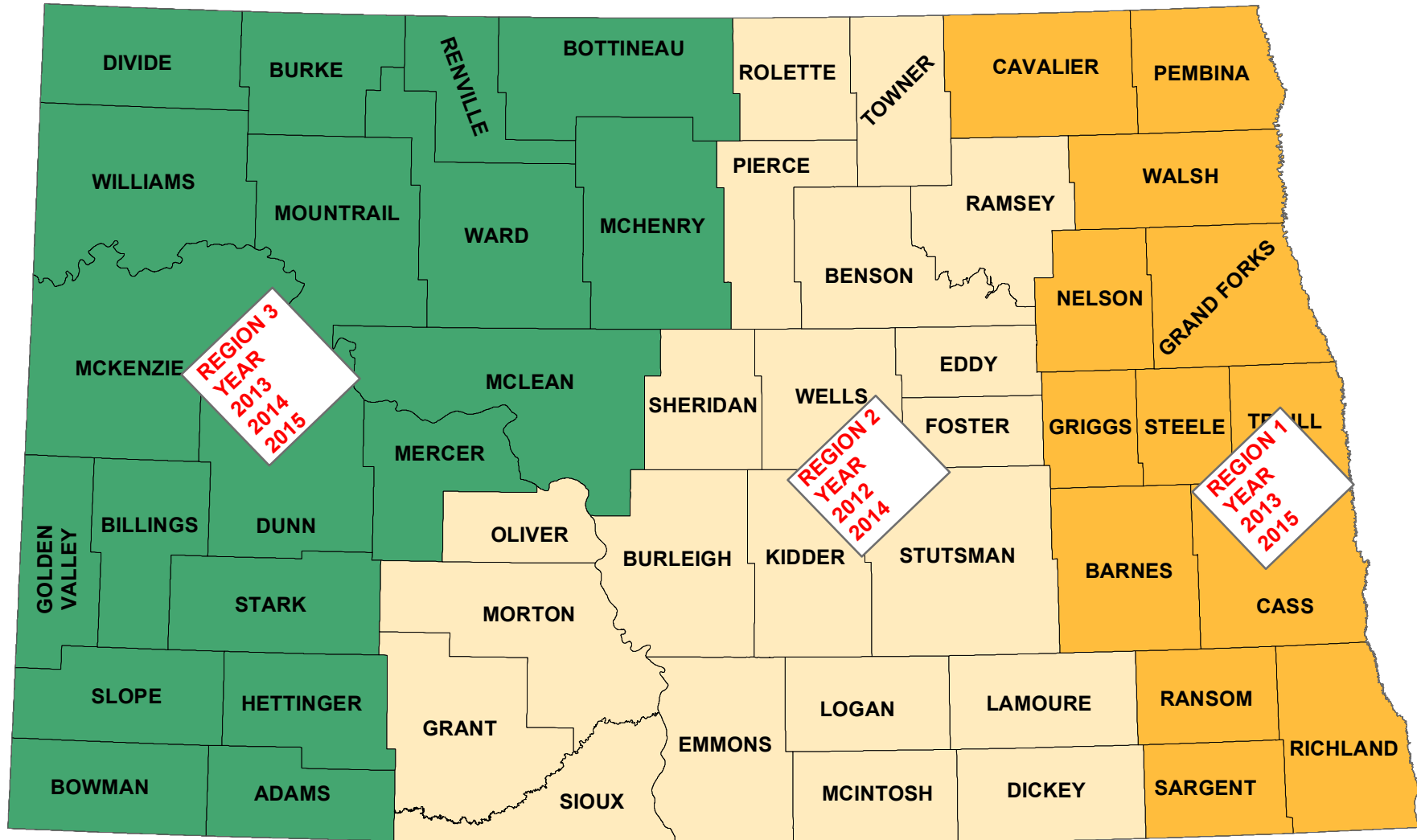
The number of vehicle registrations in a given year will exceed the total number of vehicles in the state because a vehicle may be registered more than once if there was a change in ownership.

Traffic and Related Trends

For the Years 1963 - 2013

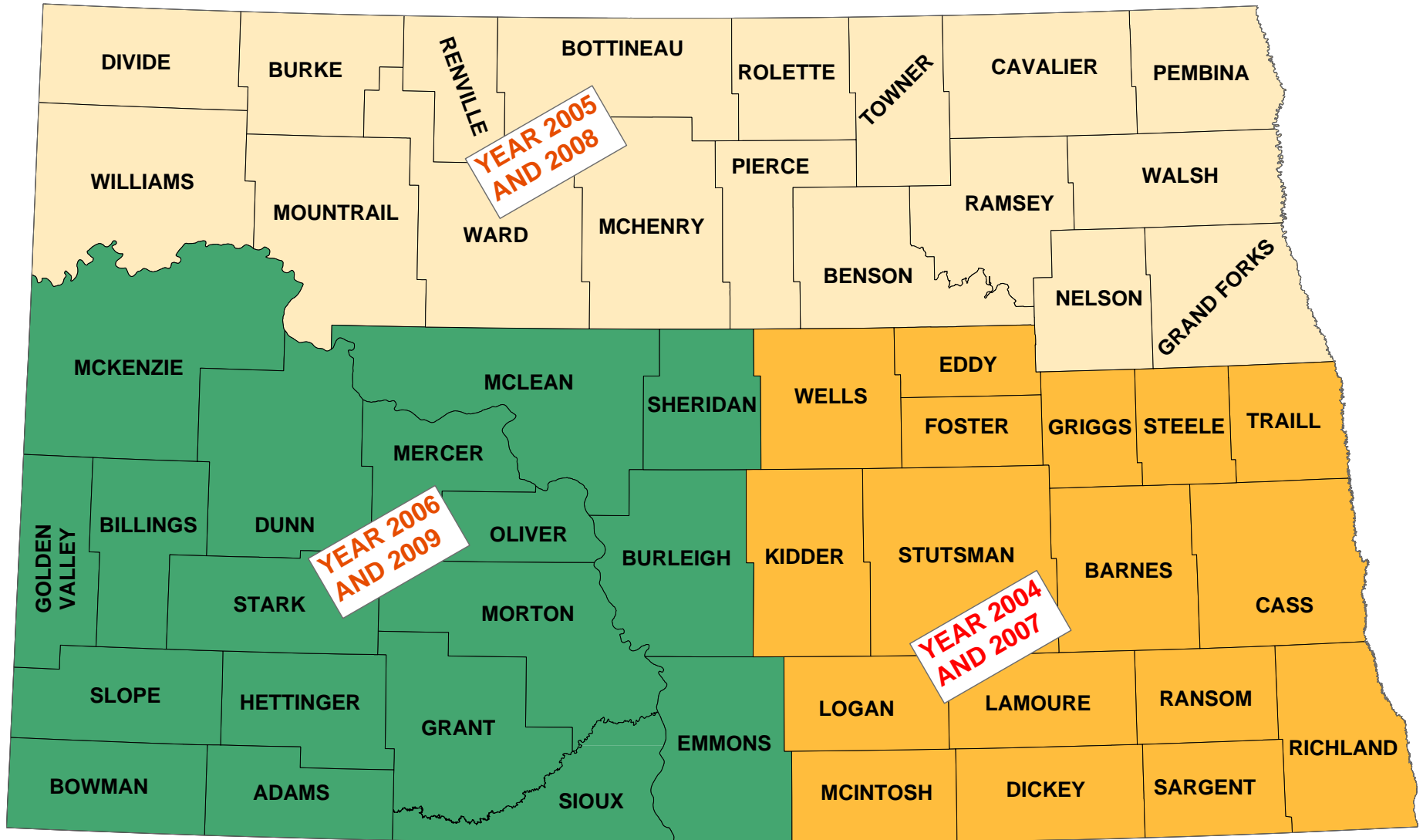


North Dakota Department of Transportation Current Traffic Counting Cycle



(5)

North Dakota Department of Transportation Traffic Counting Cycle Prior to 2010



(9)

Planning & Asset Management Division
Traffic Data Section
City Traffic Counts

CITY	YEAR COUNTED	YEAR TO COUNT
Fargo	2013	2015
West Fargo	2013	2015
Wahpeton	2013	2015
Valley City	2013	2015
Grand Forks	2013	2015
Minot	2012	2014
Dickinson	2012	2014
Williston	2012	2014
Bismarck	2012	2014
Mandan	2012	2014
Devils Lake	2012	2014
Jamestown	2012	2014

**NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
ATR AND WIM LOCATIONS**

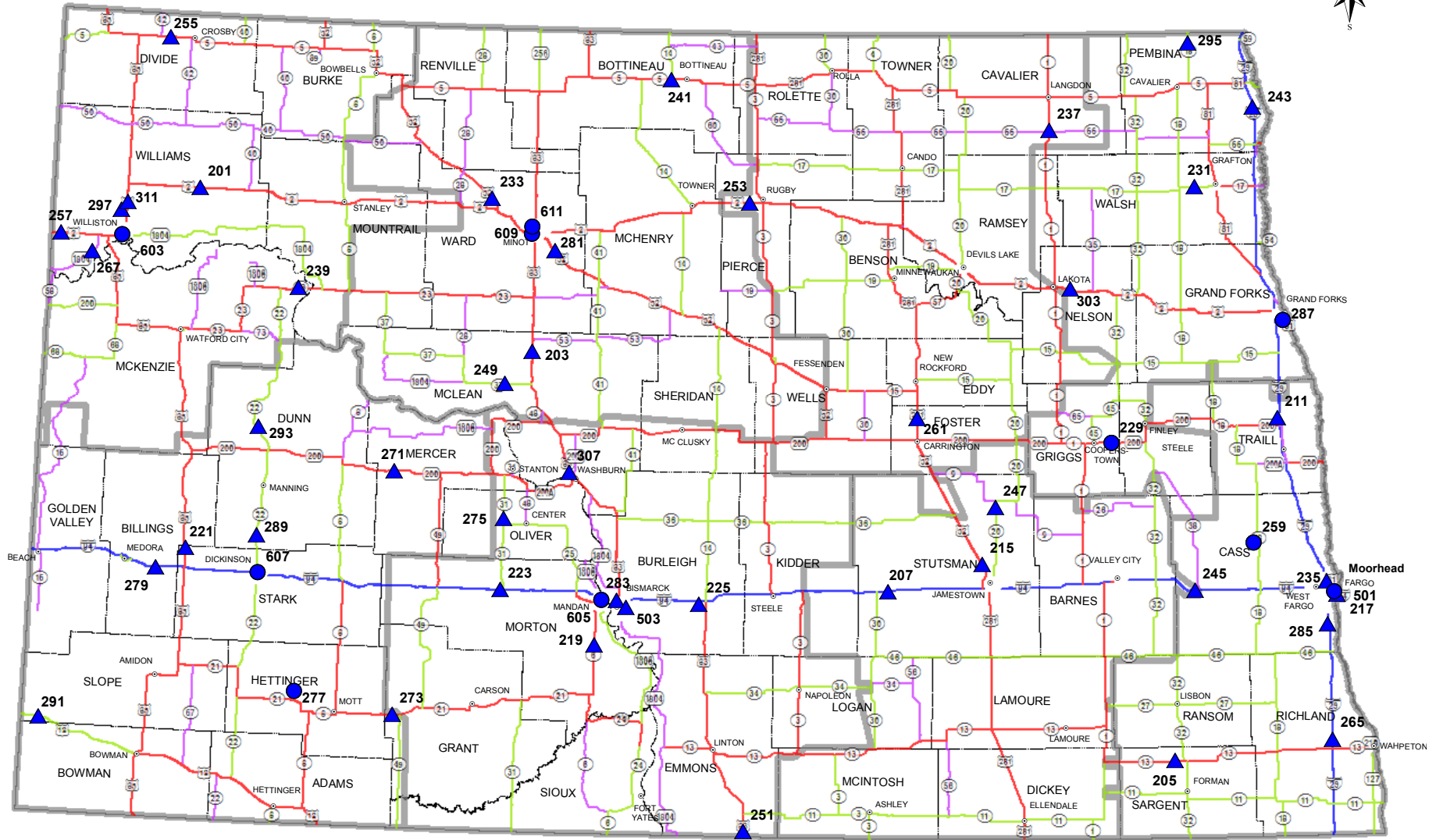
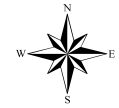
WIM locations are highlighted yellow

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
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	314.000	0.0396	Class	0.9 MILES WEST OF BUFFALO
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	0.6273	Class	NORTH OF 12TH AVE.
RURAL INTERSTATE 29						
4	WAHPETON	29	18.000	0.0000	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	139.000	0.5600	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
201	RAY	2	51.000	0.2986	Class	2.1 MILES WEST OF RAY
203	MAX	83	168.000	0.7000	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	0.1994	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	0.5922	Class	2.1 MILES WEST OF ND 49
281	SAWYER	52	102.000	0.7136	Class	WEST OF SAWYER
297	WILLISTON_NW	85	0.000	0.0000	Class	NW WILLISTON TEMP. TRUCK RELIEVER ROUTE
303	MICHIGAN	2	299.000	0.4553	Class	4.0 MILES EAST OF ND 1
307	WASHBURN	83	129.000	0.8580	Class	NORTH OF WASHBURN
311	WILLISTON_2N	2	27.000	0.6300	Class	5.2 MILES NORTH OF WILLISTON
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

**NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
ATR LOCATIONS**

STATION	NAME	HIGHWAY	REF POINT	OFF SET	TYPE	LOCATION
RURAL MINOR ARTERIAL						
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
RURAL MAJOR COLLECTOR-STATE						
267	TRENTON	1804	329.000	0.8846	Class	1.5 MILES NORTHEAST OF TRENTON
RURAL MAJOR COLLECTOR-COUNTY						
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
URBAN PRINCIPAL ARTERIAL						
287	GRAND FORKS	81B	942.000	0.4092	Volume	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
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
URBAN MINOR ARTERIAL						
607	DICKINSON (U)				Volume	9TH ST. EAST BET. 2ND AVE. & 3RD AVE. EAST
611	MINOT (U)				Volume	UNIVERSITY AVE. BET 12TH ST. & 13TH ST. NW.
URBAN COLLECTOR AND LOCAL URBAN						
609	MINOT (U)				Volume	16TH AVE BET. 12TH ST SW. & 17TH AVE. SW.

Automatic Traffic Recorder (ATR) Locations



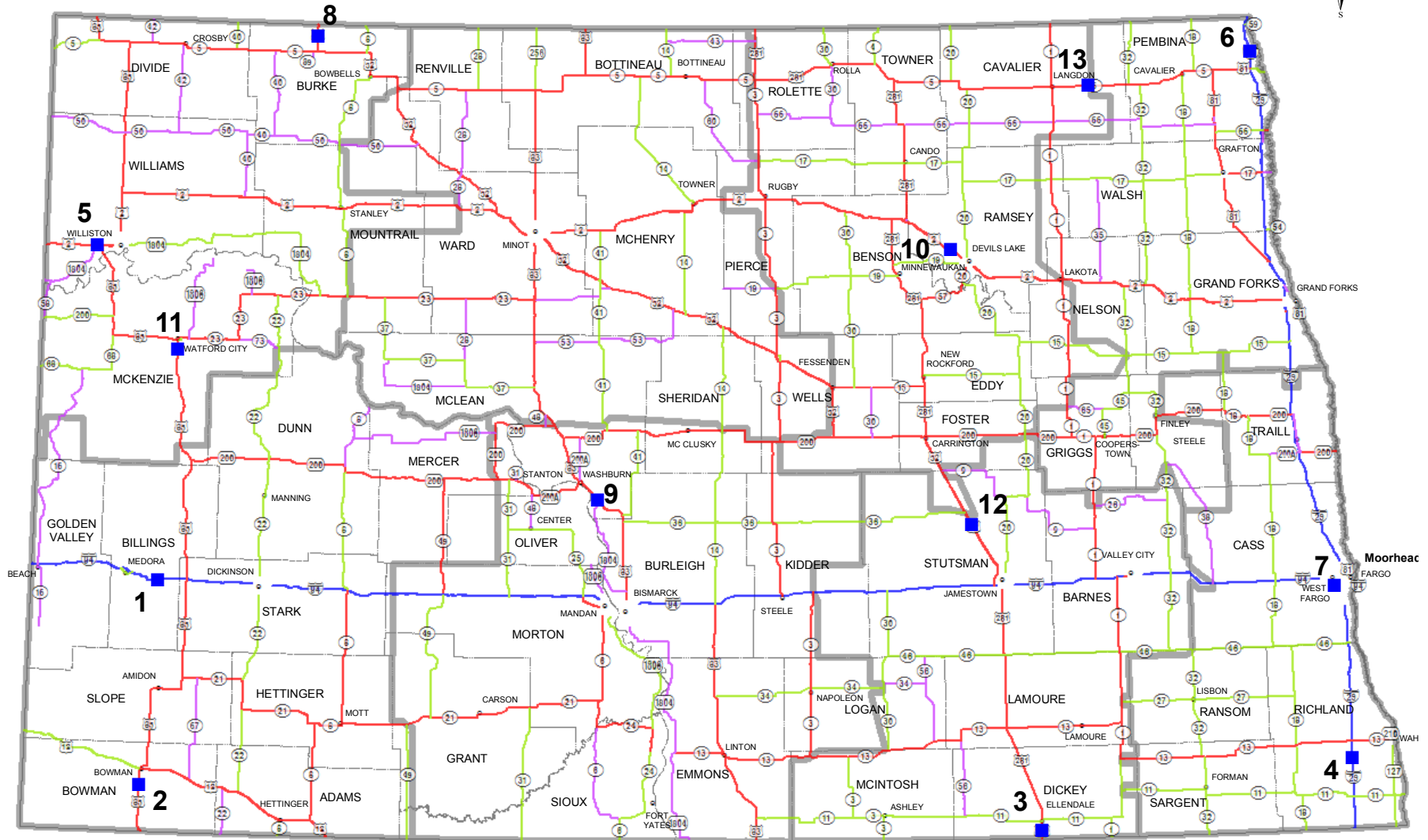
(10)

Station Type	Functional Class	Number of ATR Stations
▲ Class	— Interstate Rural	8 Rural Interstate
● Volume	— Principal Arterial Rural	23 Rural Principal Arterial
	— Minor Arterial Rural	8 Rural Minor Arterial
	— Major Collector	4 Rural Major Collector
		3 Urban Interstate
		5 Urban Principal Arterial
		2 Urban Minor Arterial
		1 Urban Collector

Planning & Asset Management Division
 Traffic Data Section
 December 2013

File pathway: F:\Planning\Arcview\robshj\ArcMap projects\ATR Locations.mxd

Weigh - In - Motion Locations



(11)

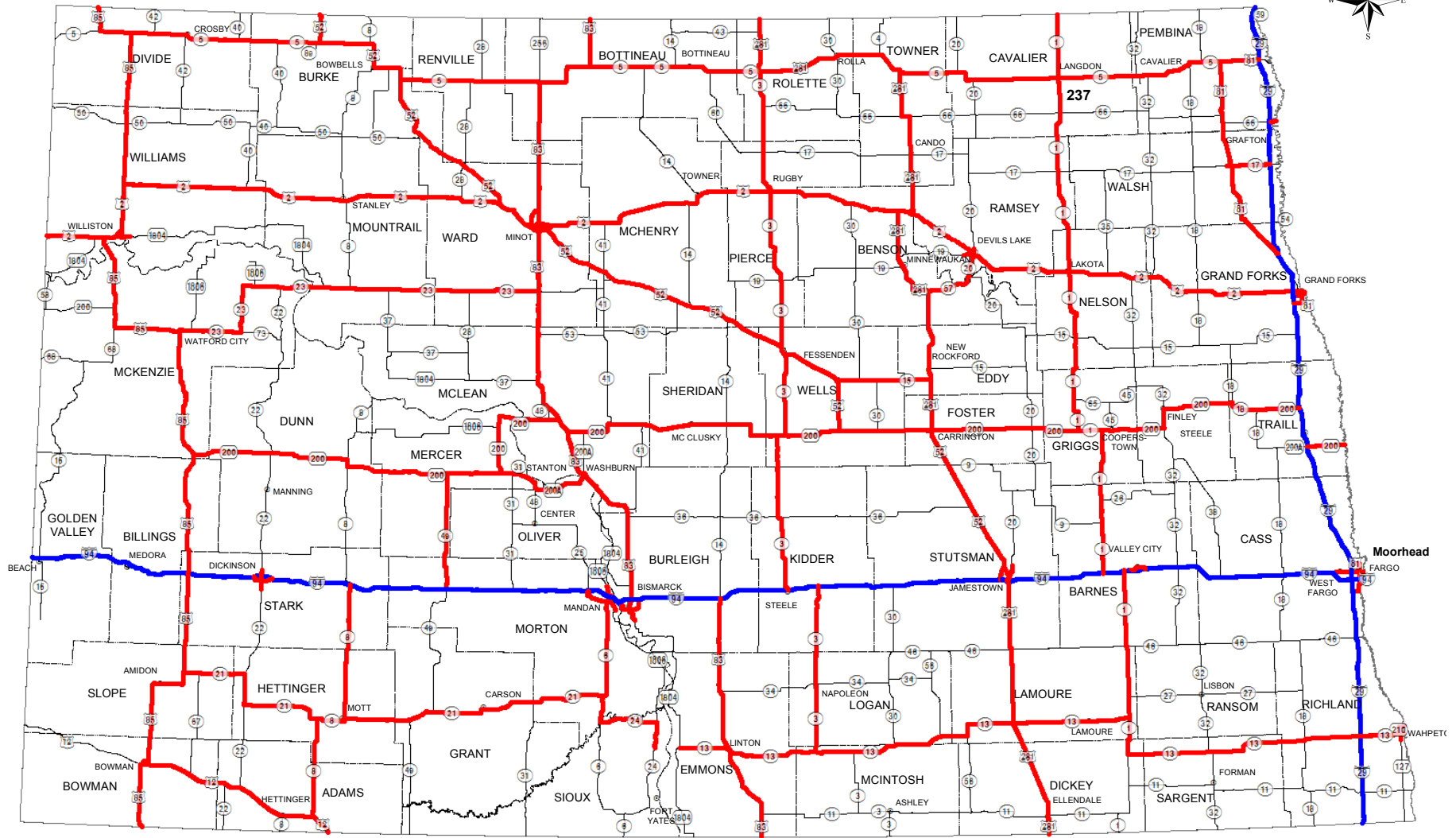
■ WIM Sites

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

Planning & Asset Management Division
 Traffic Data Section
 December 2013

File pathway: F:\Planning\Arcview\robshj\ArcMap projects\WIM Locations.mxd

National Highway System Mileage



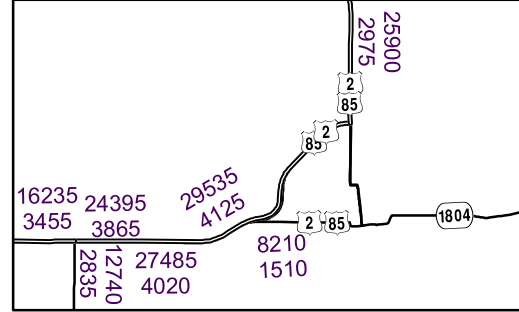
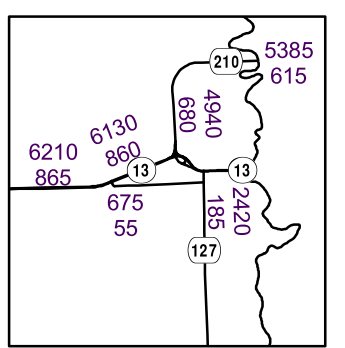
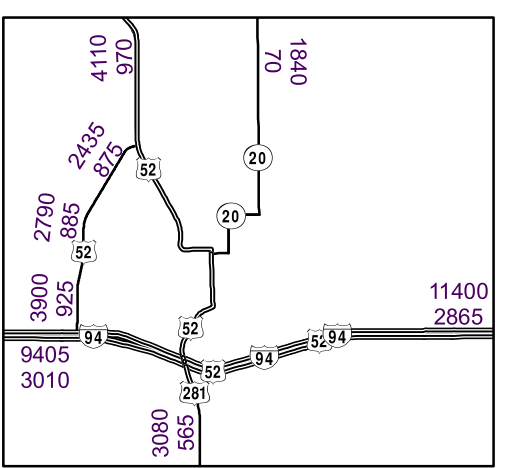
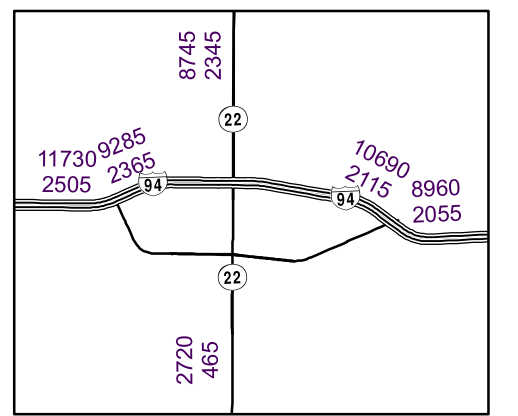
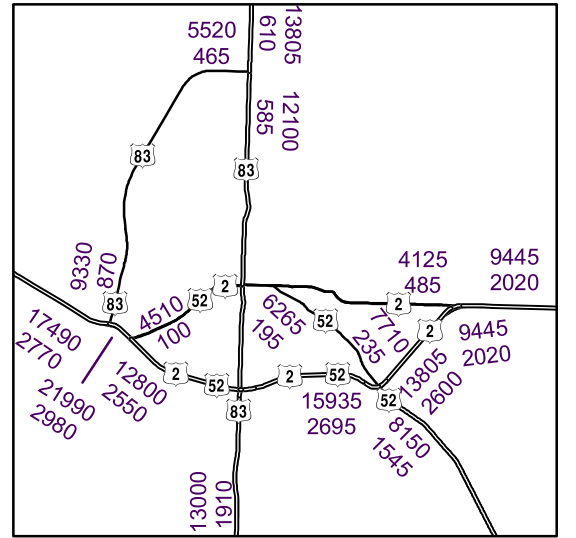
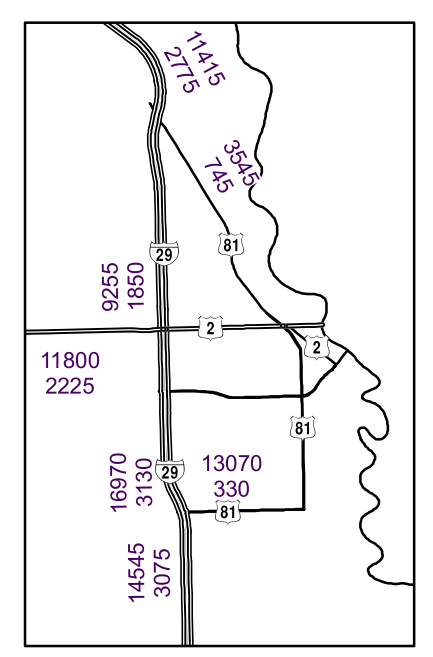
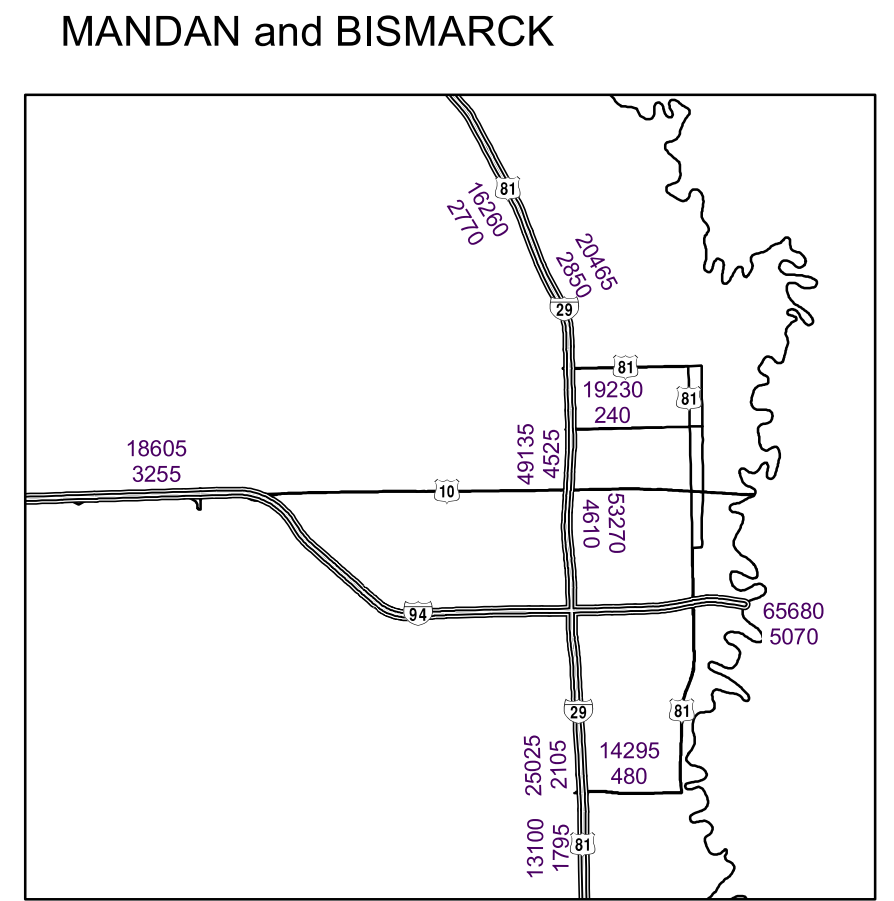
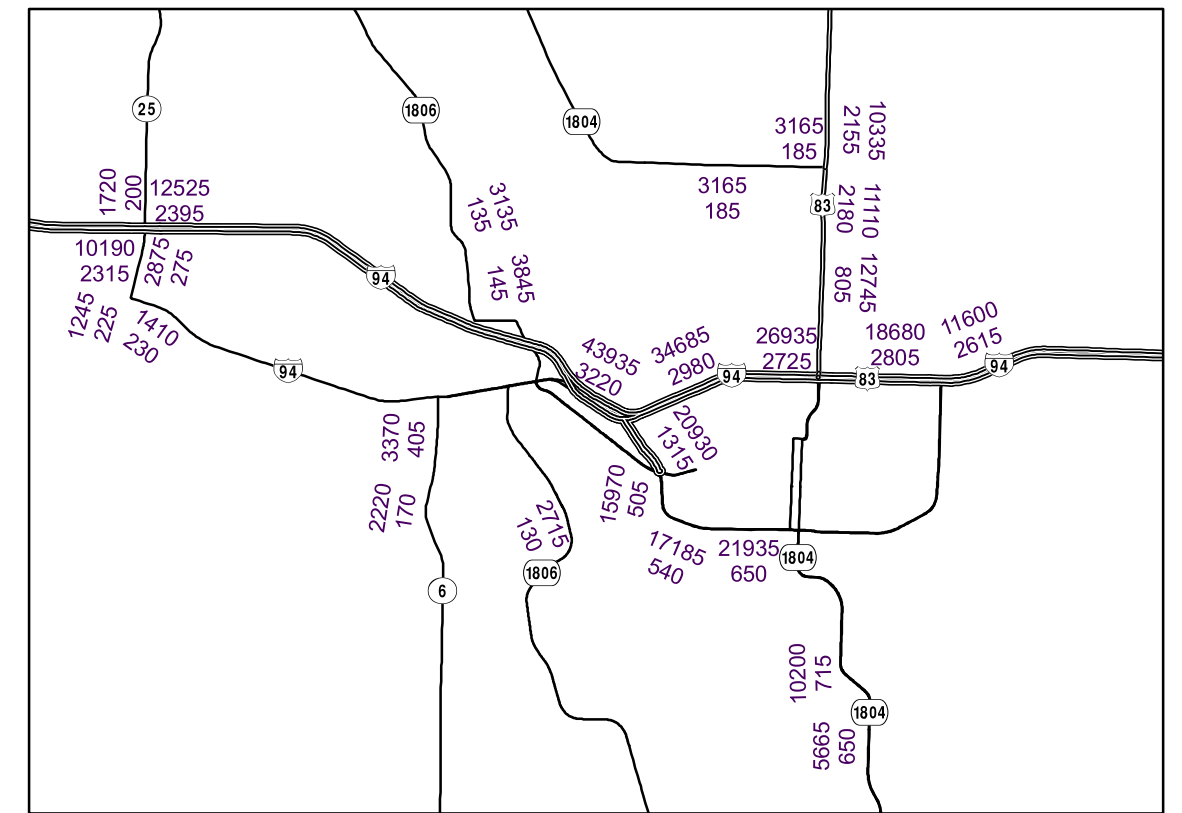
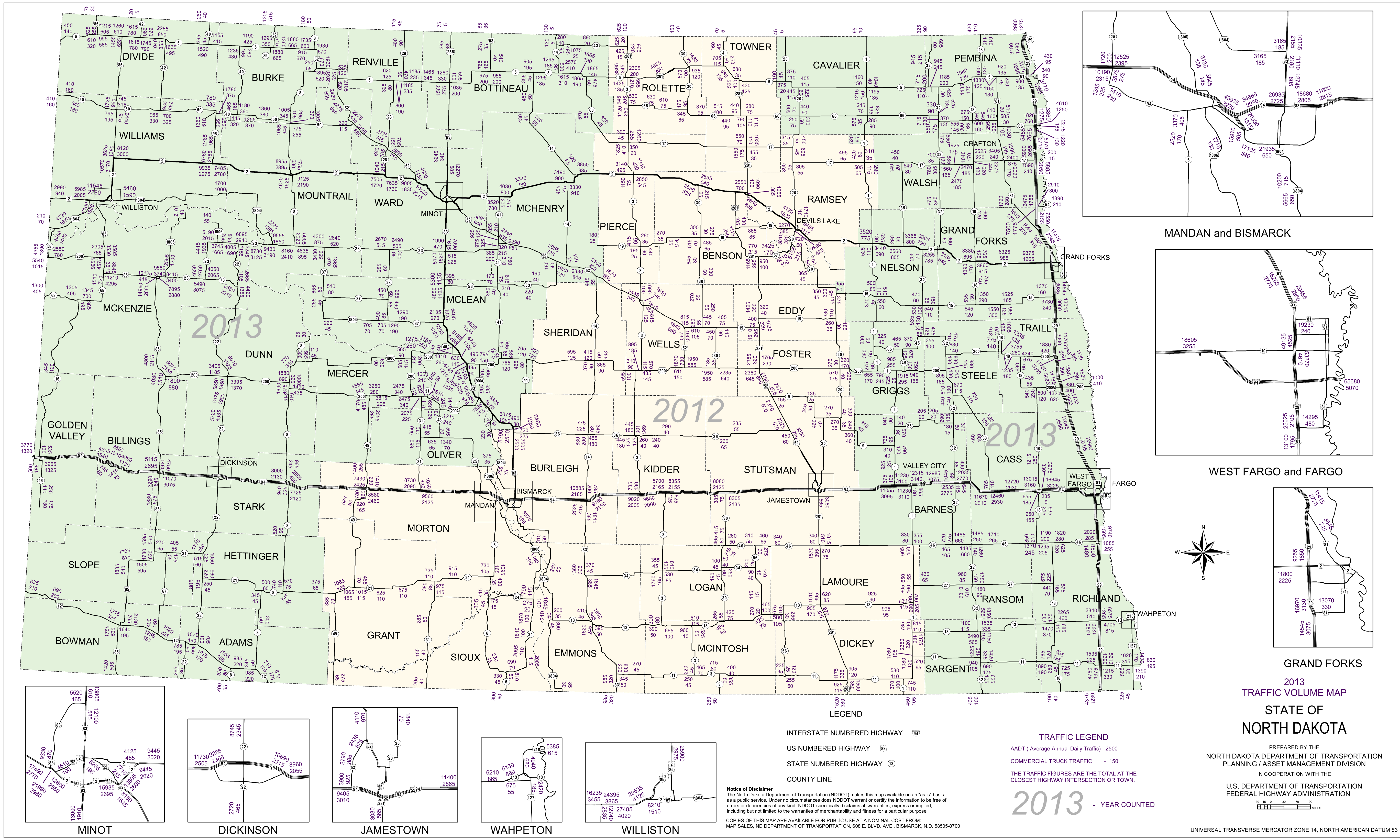
(12)

NHS Mileage

Interstate Rural	519.3
Interstate Urban	51.7
Total	571.0
Principal Arterial Rural	2937.5
Principal Arterial Urban	133.9
Total	3071.3
Total NHS	3642.4

NOTES: Data from Functional Class on Mainframe

Planning & Asset Management Division
Traffic Data Section
December 2013



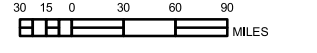
- LEGEND**
- INTERSTATE NUMBERED HIGHWAY
 - US NUMBERED HIGHWAY
 - STATE NUMBERED HIGHWAY
 - COUNTY LINE

- 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.

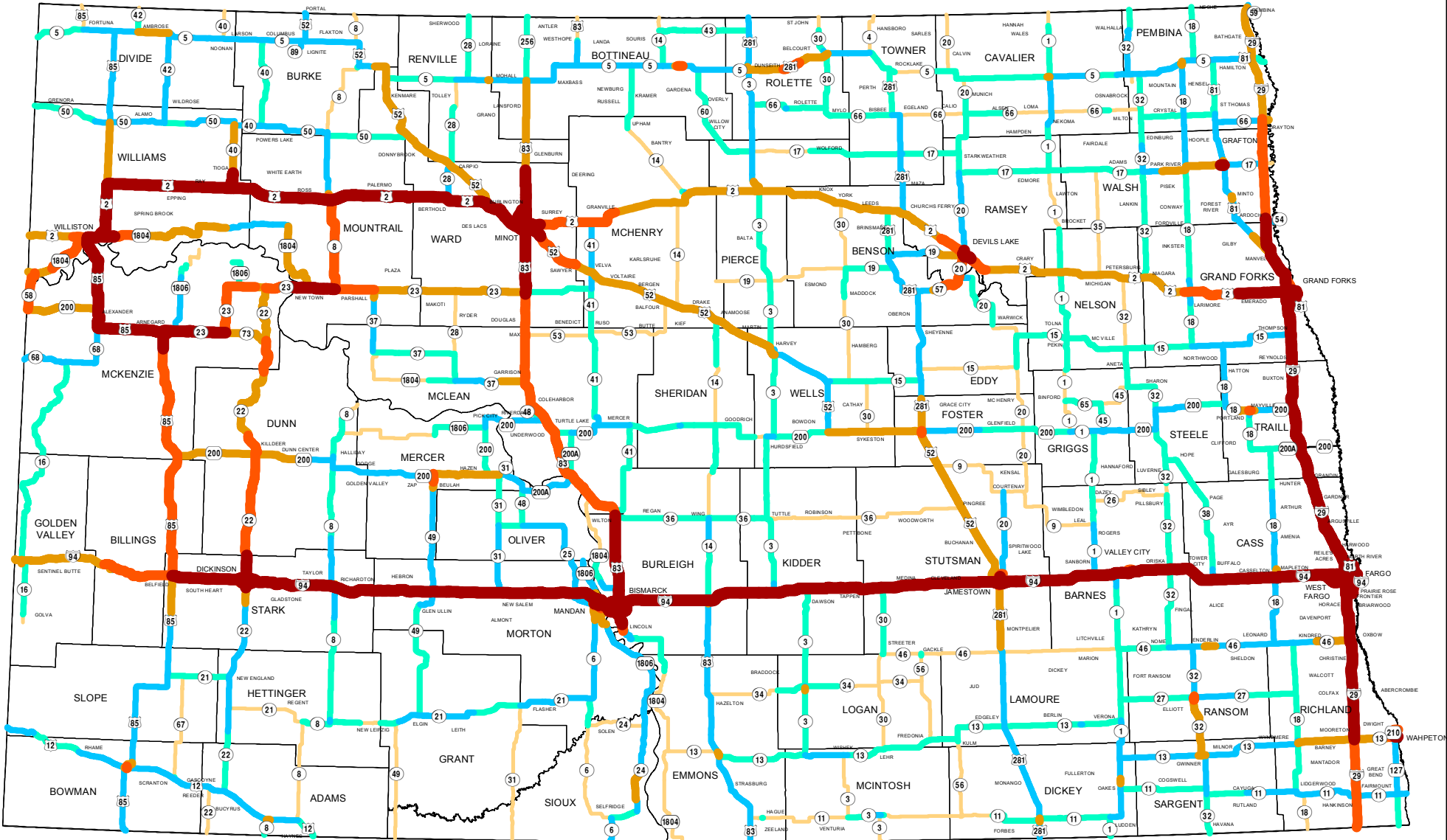
2013 - YEAR COUNTED

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

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

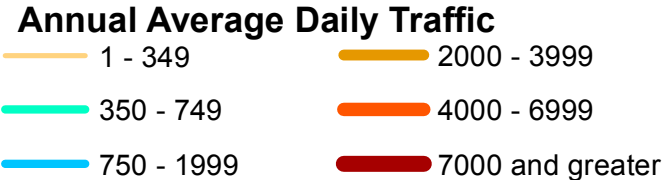


Annual Average Daily Traffic (2013)



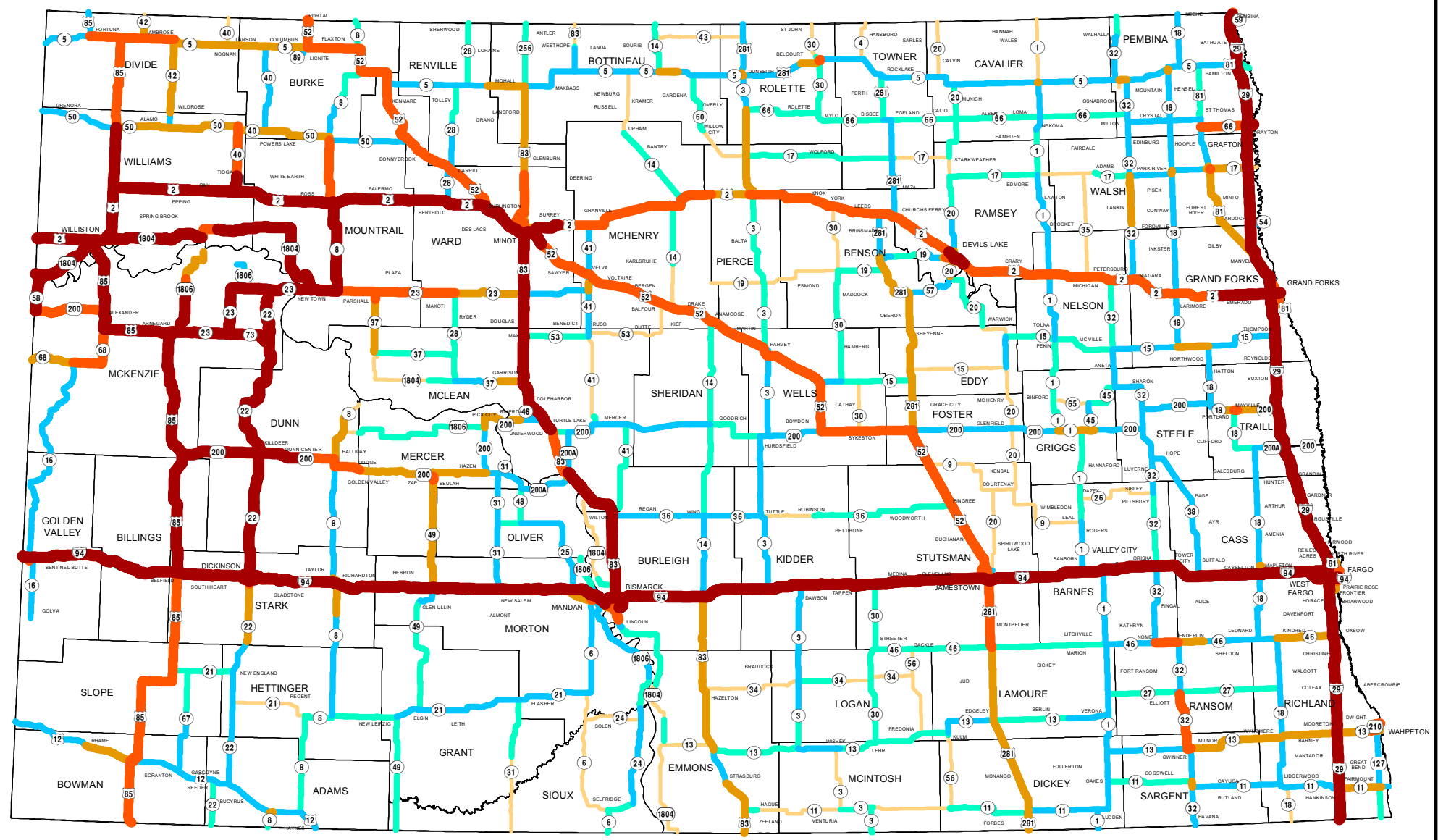
(14)

Notes: - Data from 2013 highway components segments.
 - The AADT for longer sections are an average of the traffic segments.
 - Data for the four lane roadways are AADT for both directions (either north and south or east and west).



Planning & Asset Management Division
 Traffic Data
 December 2013

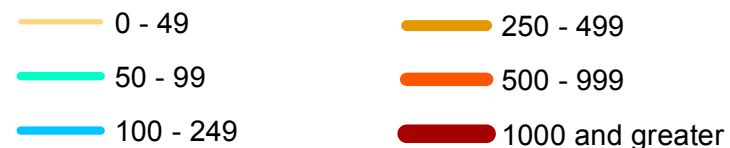
Truck Annual Average Daily Traffic (2013)



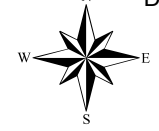
(15)

Notes: - Data from 2013 highway components segments.
 - The TAADT for longer sections are an average of the traffic segments.
 - Data for the four lane roadways are TAADT for both directions (either north and south or east and west).

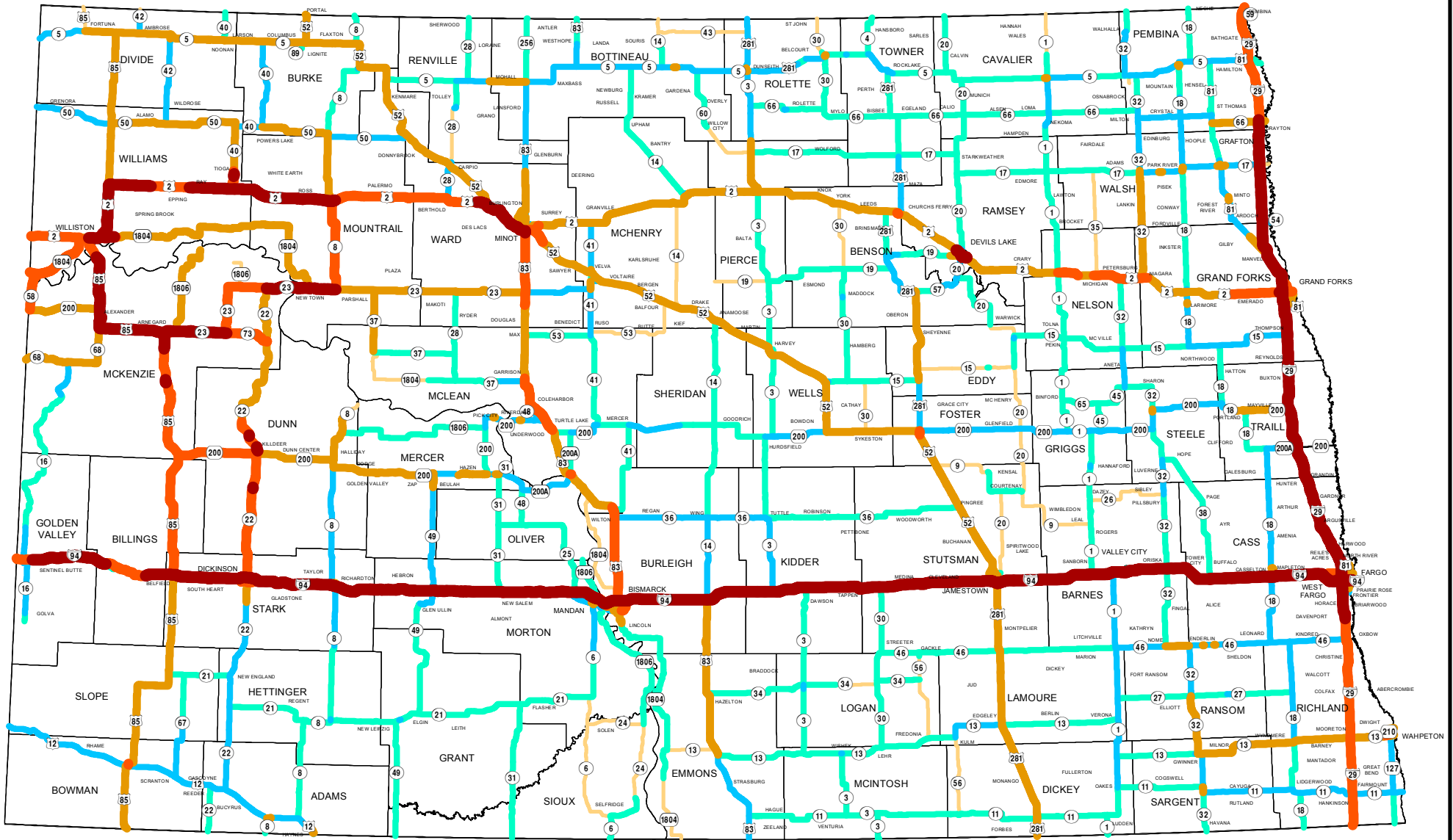
Truck Annual Average Daily Traffic



Planning & Asset Management Division
 Traffic Data
 December 2013



Equivalent Single Axle Loads (ESALs)



(16)

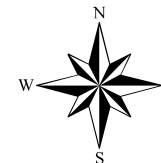
Notes:

- Data from 2013 highway components segments.
- The ESALs for longer sections are an average of the traffic segments.
- Rigid ESALs for I-29 and I-94
- Flexible ESALs for all other roads.
- Data for the four lane roadways are combined ESALs for both directions (either north and south or east and west).

ESALs



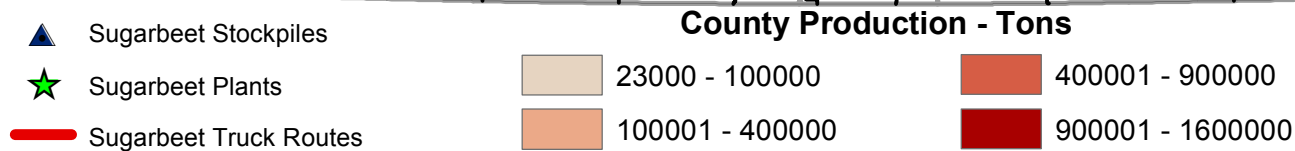
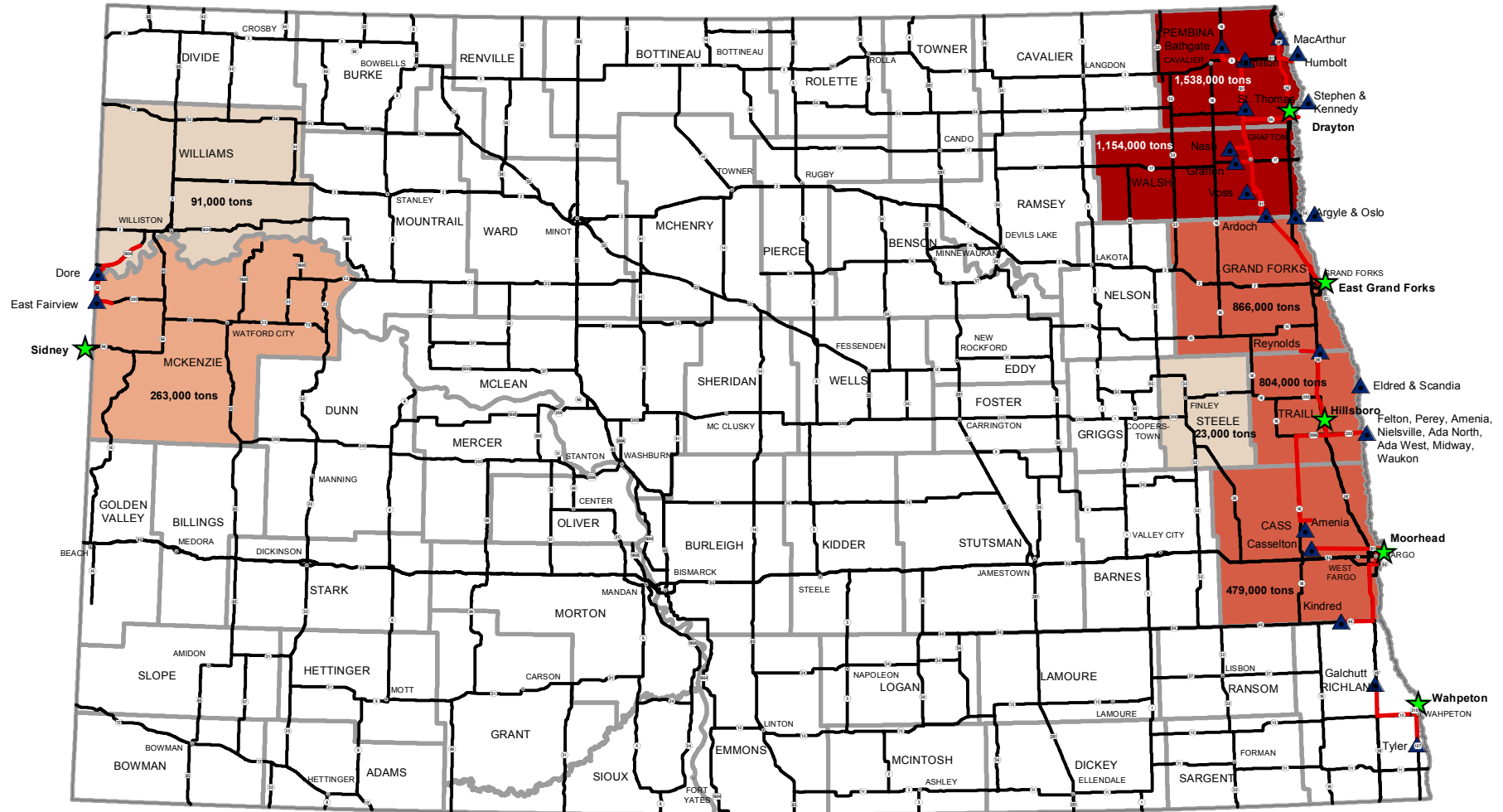
Planning & Asset Management Division
Traffic Data
December 2013



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



Data is from the USDA, National Agricultural Statistics Service.
 County production totals are for the 2012 production year because 2013 totals are not yet available.
 The shaded counties were the only counties for which data was available.
 Total production for the state of North Dakota was 6,020,000 tons.



Planning & Asset Management Division
 Transportation Data
 December 2013

PERMANENT STATION COMPARISON OF AADT BY YEAR

STATION NUMBER	LOCATION	1993	1995	1997	1999	2001	2003	2005	2007	2009	2010	2011	2012	2013	% CHANGE 2013/2012	% CHANGE 2013/2003	% CHANGE 2013/1993
URBAN INTERSTATE 94																	
217	FARGO (U)			48388	50450	51514	56852	61012	63051	64436	64983	66026	67708	65677	-3.0%	15.5%	--
283	BISMARCK (U)	14222		15656	17704	18584	17590	20144	24770	23589	23727	24611	25722	26937	4.7%	53.1%	89.4%
	MEAN	14222		32022	34077	35049	37221	40578	43911	44013	44355	45319	46715	46307	0.9%	34.3%	89.4%
RURAL INTERSTATE 94																	
207	MEDINA	5046	4608	5884	6326	6644	7210	6778	6941	7048	7478	8512	8652	8593	-0.7%	19.2%	70.3%
223	NEW SALEM	4850	5210	5294			5950	6034	6252	6595	7000	7655	8638	8731	1.1%	46.7%	80.0%
245	TOWER CITY	6918	7304	7446		8030	8974	9146	9440	9948	10464	10940	11453	11671	1.9%	30.1%	68.7%
279	PAINTED CANYON	3064	3290	3268	3404	3656	3688	3608	4086	3654	3893	4395	4815	4851	0.7%	31.5%	58.3%
	MEAN	4970	5103	5473	4865	6110	6456	6392	6680	6811	7209	7876	8390	8462	0.8%	31.9%	69.3%
URBAN INTERSTATE 29																	
235	FARGO (U)			25214			24536	25772	26642	31746	35153	31347	30814	31522	2.3%	28.5%	--
	MEAN			25214			24536	25772	26642	31746	35153	31347	30814	31522	2.3%	28.5%	--
RURAL INTERSTATE 29																	
211	BUXTON	9018	9476			9374	10198	10426	10951	10980	11278	11280	11752	11760	0.1%	15.3%	30.4%
243	BOWESMONT	2562	2470	2686	2920	2974	2896	3074	3662	3442	3626	3582	3775	3759	-0.4%	29.8%	46.7%
265	MOORETON	3648	4180	4992	5390	5078	5636	5962	6059	6078	6385	6414	6422	6572	2.3%	16.6%	80.2%
285	DAVENPORT						9670	10254	10221	10447	10901	10778	11056	11118	0.6%	15.0%	--
301	HICKSON			7468											--	--	--
	MEAN	5076	5375	5049	4155	5809	7100	7429	7723	7737	8048	8014	8251	8302	0.6%	19.2%	52.4%
RURAL PRINCIPAL ARTERIAL																	
201	RAY	1562	1604	1552	1580	1660	1656	1748	2115	2963	4367	7236	9307	7863	-15.5%	374.8%	403.4%
203	MAX	2744	3040	3192	3460	3420	3562	3530	3653	4107	5003	5200	5516	5402	-2.1%	51.7%	96.9%
205	GWINNER	922	1002	1038	1108	1076	1124	1266	1200	1066	1216	1193	1189	1096	-7.8%	-2.5%	18.9%
209	MINOT	9618	9990	9394											--	--	--
213	LAKOTA	2832	3050	3106											--	--	--
215	JAMESTOWN	2444	2612	2820		2694	2778	2702	2859	2992	3170	3346	3482	3543	1.8%	27.5%	45.0%
219	MANDAN	1260	1344	1350	1534	1460	1498	1490	1488	1546	1615	1565	1621	1620	-0.1%	8.1%	28.6%
221	FAIRFIELD	1374	1406	1416	1354	1420	1418	1468	1754	1820	2120	3604	4595	4747	3.3%	234.8%	245.5%
227	VERONA	734	776												--	--	--
229	COOPERSTOWN	856	832	912			902	846	819	924	927	902	921	884	-4.0%	-2.0%	3.3%
233	FOXHOLM	2078	1952	1962	1922	1878	1914	1888	2100	2158	2491	2698	3075	2992	-2.7%	56.3%	44.0%
237	NEKOMA	662	670	682			780	714	886	781	814	777	782	822	5.1%	5.4%	24.2%
239	NEW TOWN	1230	1346	1400	1480	1588	1630	1618	1726	2680	3703	5820		6896	--	323.1%	460.7%
241	BOTTINEAU	1012	1010	986	1038	906	1000	978	1007	1145	1239	1159	1364	1296	-5.0%	29.6%	28.1%
251	HAGUE	646	614	628	656	734	734	704	729	782	867	747	885	985	11.3%	34.2%	52.5%
253	RUGBY			2594			2600	2556	2510	2666	2775	2922	3162	3140	-0.7%	20.8%	--
255	CROSBY	574	564	536		528	558	540	581	632	842	1212	1502	1744	16.1%	212.5%	203.8%
257	WILLISTON	1082	1088	1206			1192	1204	1265	1206	1620	2586	3235	2991	-7.5%	150.9%	176.4%
261	CARRINGTON									1661	1736	1735	1768	1805	2.1%	--	--
271	GOLDEN VALLEY	630	698	682			660	690	713	784	840	1286	1355	1422	4.9%	115.5%	125.7%
273	NEW LEIPZIG	356	372	374		382	366	352	335	346	364	360	377	376	-0.3%	2.7%	5.6%
281	SAWYER					3566	3754	3890	4004	4112	4563	4825	5340	5224	-2.2%	39.2%	--
297	WILLISTON_NW												1514		--	--	--
303	MICHIGAN			3504	3634	3476	3522	3436	3384	3612	3803	4027	4383	4265	-2.7%	21.1%	--
307	WASHBURN			3590		3790	3912	4016	4363	5146	5189	5767	6030	6050	0.3%	54.7%	--
311	WILLISTON_2N												12090		--	--	--
	MEAN	1717	1788	2044	1777	1905	1778	1782	1875	2054	2346	2808	2852	3425	-0.3%	87.9%	122.6%
RURAL MINOR ARTERIAL																	
231	GRAFTON	2430	2338	2472		2550	2654	2670	2469	2541	2594	2507	2525	2523	-0.1%	-4.9%	3.8%
247	COURTENAY	498	490	444		502	476	470	456	463	464	485	471	457	-3.0%	-4.0%	-8.2%
249	GARRISON	1010	1016		1180	1180	1208	1168	1177	1254	1359	1473	1634	1702	4.2%	40.9%	68.5%
275	HANNOVER	482	482	498	568	526	504	502	530	603	602	604	630	649	3.0%	28.8%	34.6%
289	MANNING					1632	1604	1901	2591	3675	4178	5706	5719		0.2%	250.4%	--
291	MARMARTH											785	803		2.3%	--	--

PERMANENT STATION COMPARISON OF AADT BY YEAR

STATION NUMBER	LOCATION	1993	1995	1997	1999	2001	2003	2005	2007	2009	2010	2011	2012	2013	% CHANGE 2013/2012	% CHANGE 2013/2003	% CHANGE 2013/1993
RURAL MINOR ARTERIAL																	
293	KILLDEER												3313	3861	16.5%	--	--
295	NECHE												429	449	4.7%	--	--
	MEAN	1105	1082	1138	874	1190	1295	1283	1307	1490	1739	1849	1937	2020	3.5%	62.2%	24.7%
RURAL MAJOR COLLECTOR - STATE																	
267	TRENTON									2530	3231	4526	6008	5183	-13.7%	--	--
	MEAN									2530	3231	4526	6008	5183	-13.7%	--	--
RURAL MAJOR COLLECTOR - COUNTY																	
225	STERLING	540	594	554			520	484	558	582	645	587	639	656	2.7%	26.2%	21.5%
259	AYR	356	292	258	324	364	372	360	350	363	372	343	317	329	3.8%	-11.6%	-7.6%
263	METIGOSHE	760	806	450											--	--	--
277	REGENT	288	294	284	288	318	294	298	309	317	358	325	369	343	-7.0%	16.7%	19.1%
	MEAN	486	497	387	306	341	395	381	406	421	458	418	442	443	-0.2%	10.4%	11.0%
URBAN PRINCIPAL ARTERIAL																	
287	GRAND FORKS						19270	19248	19947	19719	20520	20413	21291	21396	0.5%	11.0%	--
501	FARGO (U)	22674	22946	26122	23578	25762	25892	26264	24533	25283	24868	24421	24332	24073	-1.1%	-7.0%	6.2%
503	BISMARCK (U)												12176	12859	5.6%	--	--
601	BISMARCK (U)				13037	12475	11855	11828	12174	11605					--	--	--
603	WILLISTON (U)				4024	4042	4160	4316	4623	5108	6510	9070	10278	10990	6.9%	164.2%	--
605	MANDAN (U)						20152	20240	20530	19813	20270	19749	20439	20891	2.2%	3.7%	--
	MEAN	22674	22946	26122	13546	14093	16266	16379	16361	16306	18042	18413	17703	18042	2.8%	43.0%	6.2%
URBAN MINOR ARTERIAL																	
607	DICKINSON (U)				3160	3152	3034	3090	2967	2925	3033	3142	3269	3329	1.8%	9.7%	--
611	MINOT (U)				2994	2974	2638	2626	2340	2736	2894	3426	3155	2974	-5.7%	12.7%	--
	MEAN				3077	3063	2836	2858	2654	2831	2964	3284	3212	3152	-2.0%	11.2%	--
URBAN COLLECTOR & LOCAL URBAN																	
609	MINOT (U)				1912	2068	2342	2328	2191	2358	2374	2782	3001	2802	-6.6%	19.6%	--
	MEAN				1912	2068	2342	2328	2191	2358	2374	2782	3001	2802	-6.6%	19.6%	--

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	1993	1995	1997	1999	2001	2003	2005	2007	2009	2010	2011	2012	2013	% CHANGE 2013/2012	% CHANGE 2013/2003	% CHANGE 2013/1993
URBAN INTERSTATE																	
217	FARGO (U)				3796	4140	4436	4988	4774	4625	4612	4907	5108	5100	-0.2%	15.0%	--
235	FARGO (U)						2614	2720	2960	2994	3344	3467	3216	3305	2.8%	26.4%	--
283	BISMARCK (U)				1812	1708	1878	2162	2663	2006	2039	2297	2505	2831	13.0%	50.7%	--
	MEAN				2804	2924	2976	3290	3466	3208	3332	3557	3610	3745	5.2%	30.7%	--
RURAL INTERSTATE																	
207	MEDINA				1448	1586	1578	1646	1756	1674	1809	2052	2137	2132	-0.2%	35.1%	--
211	BUXTON					2136	2374	2516	2832	2378	2561	2755	2982	2998	0.5%	26.3%	--
223	NEW SALEM						1162	1290	1462	1439	1450	1728	2002	1903	-4.9%	63.8%	--
243	BOWESMONT				1044	1164	1176	1156	1411	1170	1109	1288	1223	1270	3.8%	8.0%	--
245	TOWER CITY						1796	1974	2156	2144	2334	2549	2674	2759	3.2%	53.6%	--
265	MOORETON				836	716	854	976	1061	1027	1072	1112	1178	1268	7.6%	48.5%	--
279	PAINTED CANYON				654	1006	1040	1036	1405	1097	1155	1351	1449	1711	18.1%	64.5%	--
285	DAVENPORT						1136	1252	1313	1243	1341	1357	1454	1541	6.0%	35.7%	--
	MEAN				996	1322	1390	1481	1675	1522	1604	1774	1887	1948	4.3%	41.9%	--
RURAL PRINCIPAL ARTERIAL																	
201	RAY				260	286	256	310	466	783	1332	2698	3536	2818	-20.3%	1000.8%	--
203	MAX				492	548	558	512	559	691	771	925	1003	1026	2.3%	83.9%	--
205	GWINNER					150	154	148	132	105	114	131	129	117	-9.3%	-24.0%	--
215	JAMESTOWN					446	474	558	682	689	770	851	937	957	2.1%	101.9%	--
219	MANDAN				166	140	148	142	138	147	147	143	149	187	25.5%	26.4%	--
221	FAIRFIELD				280	272	270	294	475	505	641	1100	1362	1455	6.8%	438.9%	--
233	FOXHOLM				420	390	438	440	531	518	644	689	835	755	-9.6%	72.4%	--
237	NEKOMA						130	116	150	102	122	144	133	138	3.8%	6.2%	--
239	NEW TOWN				140	132		140	230	678	1217	2458		2958	--	--	--
241	BOTTINEAU				152	176	126	118	142	151	163	160	195	184	-5.6%	46.0%	--
253	RUGBY						432	418	426	364	431	466	541	496	-8.3%	14.8%	--
255	CROSBY					146	128	96	130	149	234	432	604	795	31.6%	521.1%	--
257	WILLISTON						130	158	175	146	280	657	911	941	3.3%	623.8%	--
261	CARRINGTON									249	268	275	264	306	15.9%	--	--
271	GOLDEN VALLEY								75	95	111	276	378	427	13.0%	--	--
273	NEW LEIPZIG					76	66	44	45	54	62	51	55	62	12.7%	-6.1%	--
281	SAWYER					376	412	486	538	582	744	838	1022	1021	-0.1%	147.8%	--
297	WILLISTON_NW													877	--	--	--
303	MICHIGAN				630	580	570	538	529	535	593	619	691	617	-10.7%	8.2%	--
307	WASHBURN					586	548	548	622	698	740	907	949	987	4.0%	80.1%	--
311	WILLISTON_2N													5068	--	--	--
	MEAN				318	307	303	298	336	381	494	727	721	1057	3.2%	196.4%	--
RURAL MINOR ARTERIAL																	
231	GRAFTON					228	232	274	228	243	243	237	233	225	-3.4%	-3.0%	--
247	COURTENAY					48	36	40	35	34	36	44	45	40	-11.1%	11.1%	--
249	GARRISON				122	104	104	104	113	134	127	158	165	222	34.5%	113.5%	--
275	HANNOVER				74	60	62	66	58	78	80	89	92	111	20.7%	79.0%	--
289	MANNING						144	132	283	539	931	1281	1714	1937	13.0%	1245.1%	--
291	MARMARTH												181	211	16.6%	--	--
293	KILLDEER												1484	1766	19.0%	--	--
295	NECHE												89	116	30.3%	--	--
	MEAN				98	110	116	123	143	206	283	362	500	579	14.9%	289.1%	--
RURAL MAJOR COLLECTOR - STATE																	
267	TRENTON									369	670	1284	1770	1501	-15.2%	--	--
	MEAN									369	670	1284	1770	1501	-15.2%	--	--
RURAL MAJOR COLLECTOR - COUNTY																	
225	STERLING							40	54	63	68	80	89	70	-21.3%	--	--
	MEAN							40	54	63	68	80	89	70	-21.3%	--	--

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

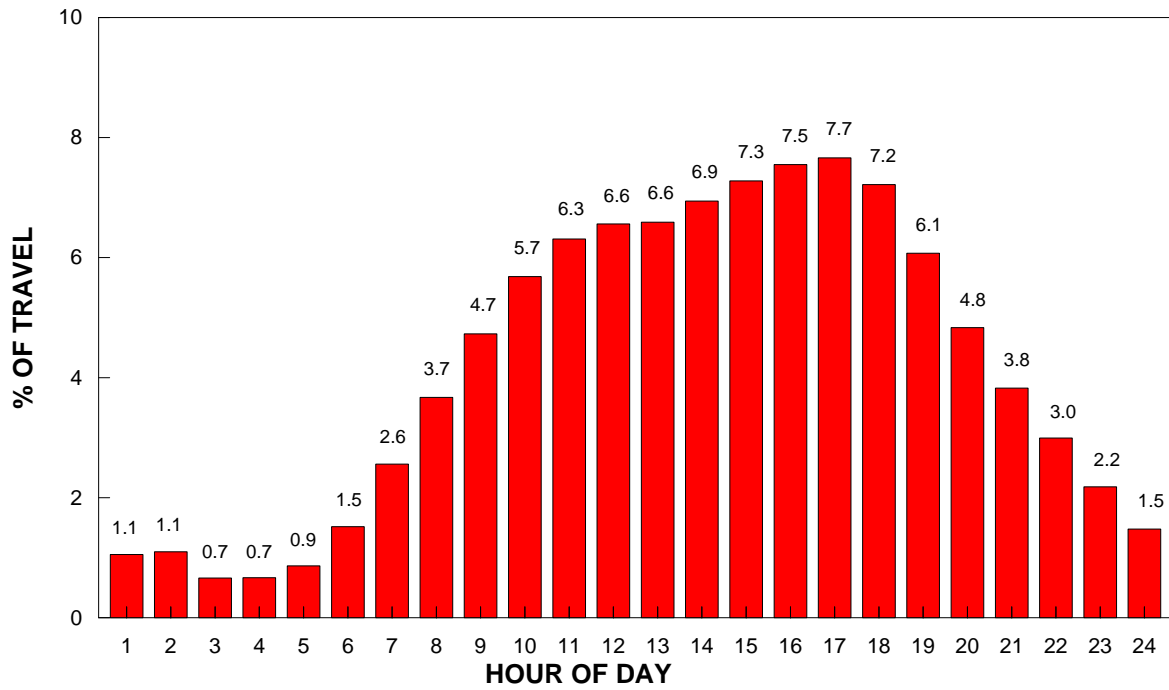
PERMANENT STATION COMPARISON OF TRUCK AADT BY YEAR

STATION NUMBER	LOCATION	1993	1995	1997	1999	2001	2003	2005	2007	2009	2010	2011	2012	2013	% CHANGE 2013/2012	% CHANGE 2013/2003	% CHANGE 2013/1993
URBAN PRINCIPAL ARTERIAL																	
503	BISMARCK (U)												1515	1706	12.6%	--	--
	MEAN												1515	1706	12.6%	--	--

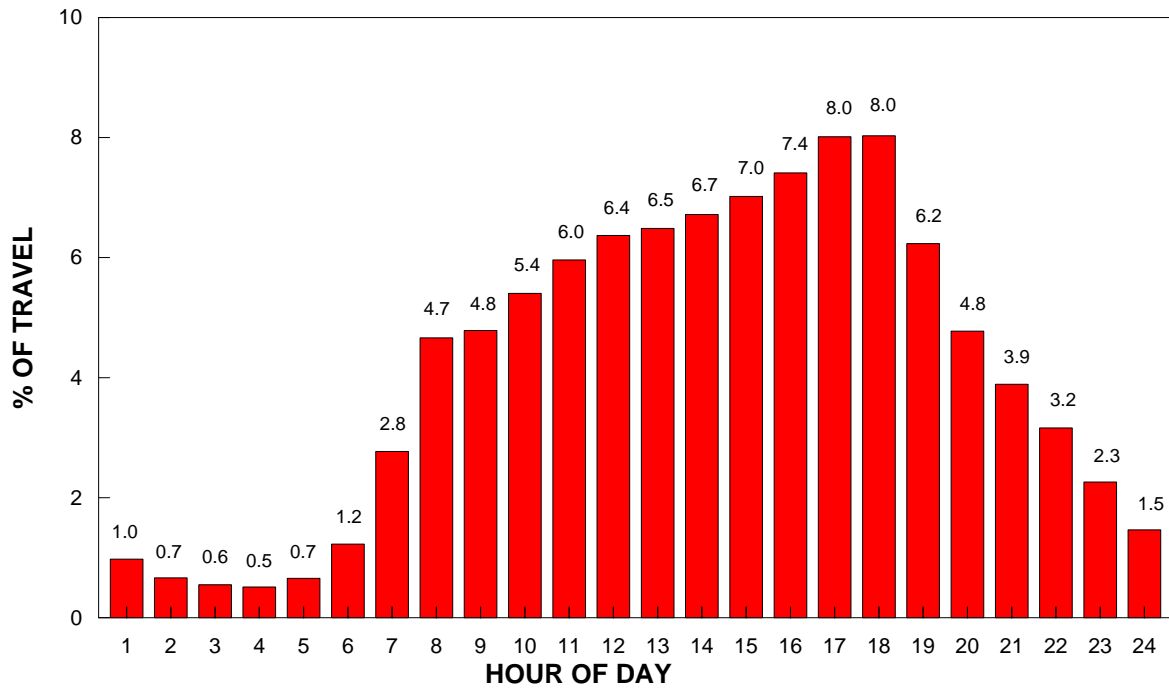
Missing data is the result of years when a recording station was out of service.

HOURLY DISTRIBUTION OF TRAVEL

RURAL INTERSTATE 94

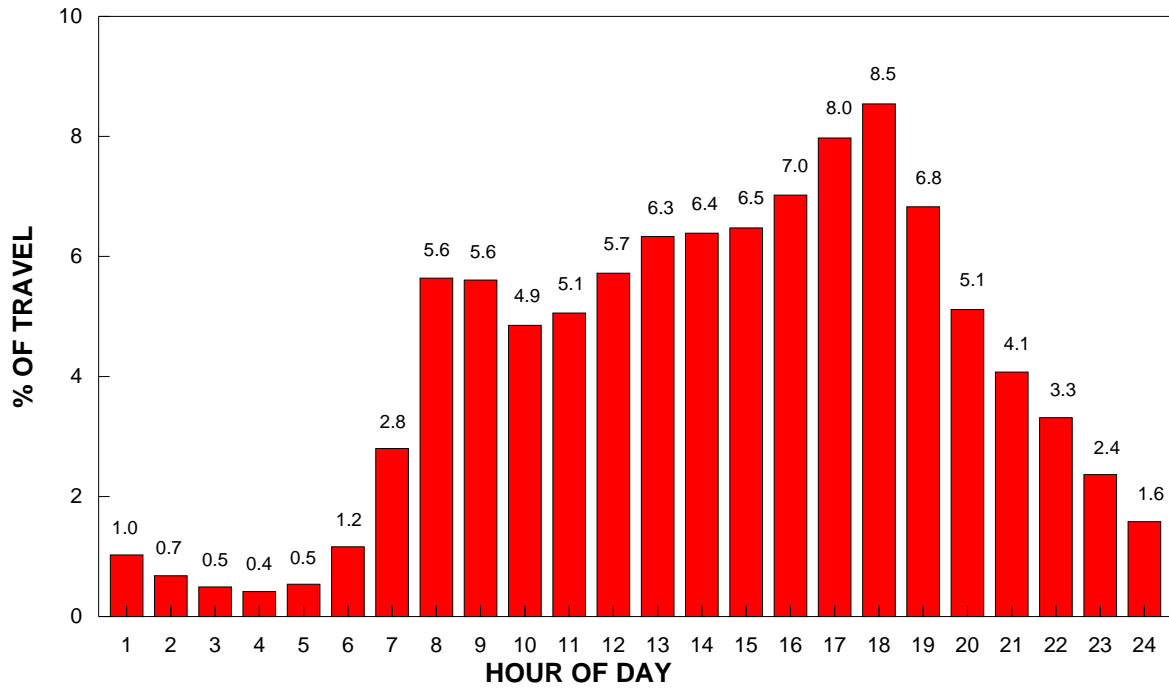


RURAL INTERSTATE 29

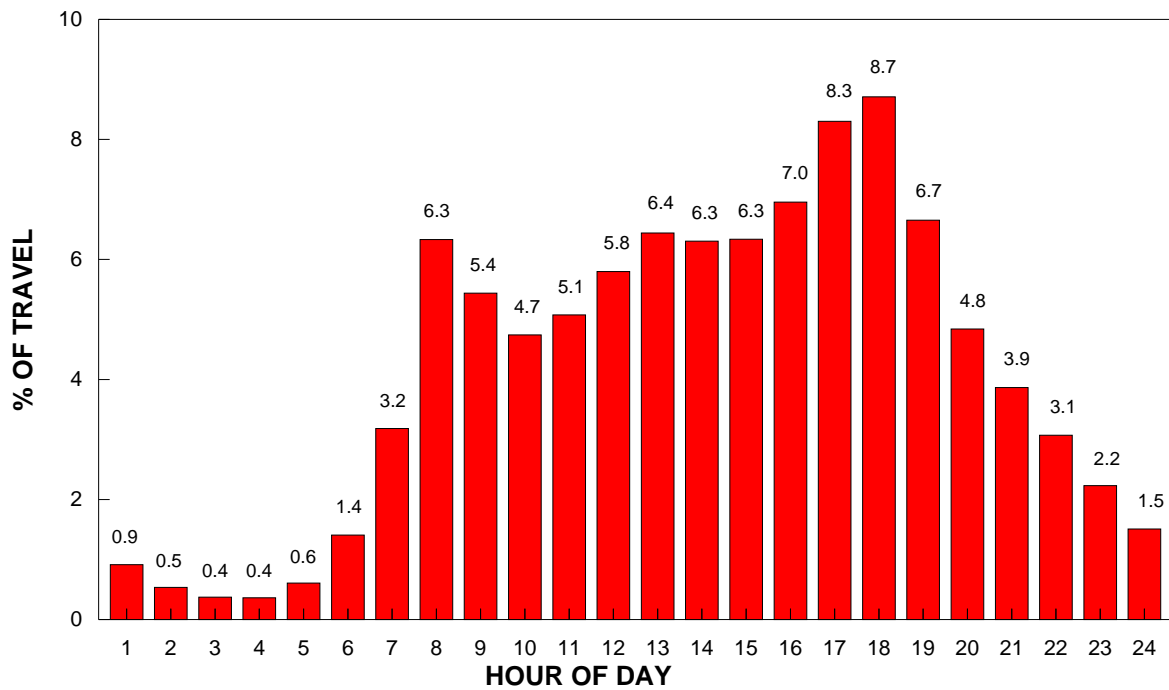


HOURLY DISTRIBUTION OF TRAVEL

URBAN INTERSTATE 94

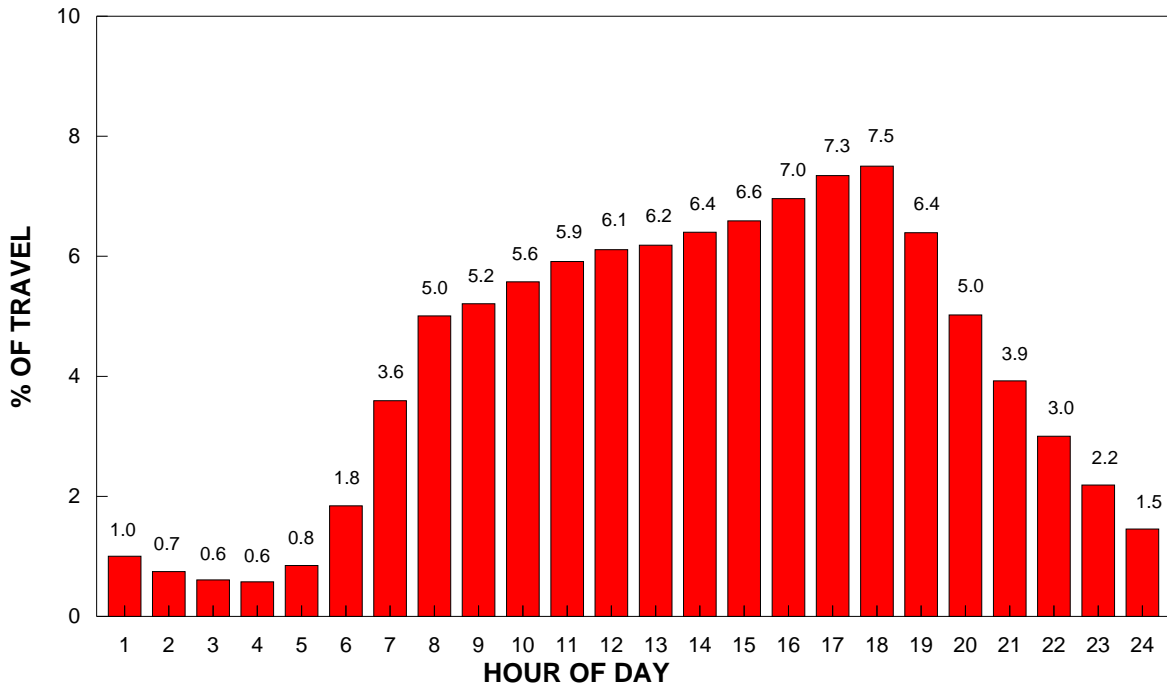


URBAN INTERSTATE 29

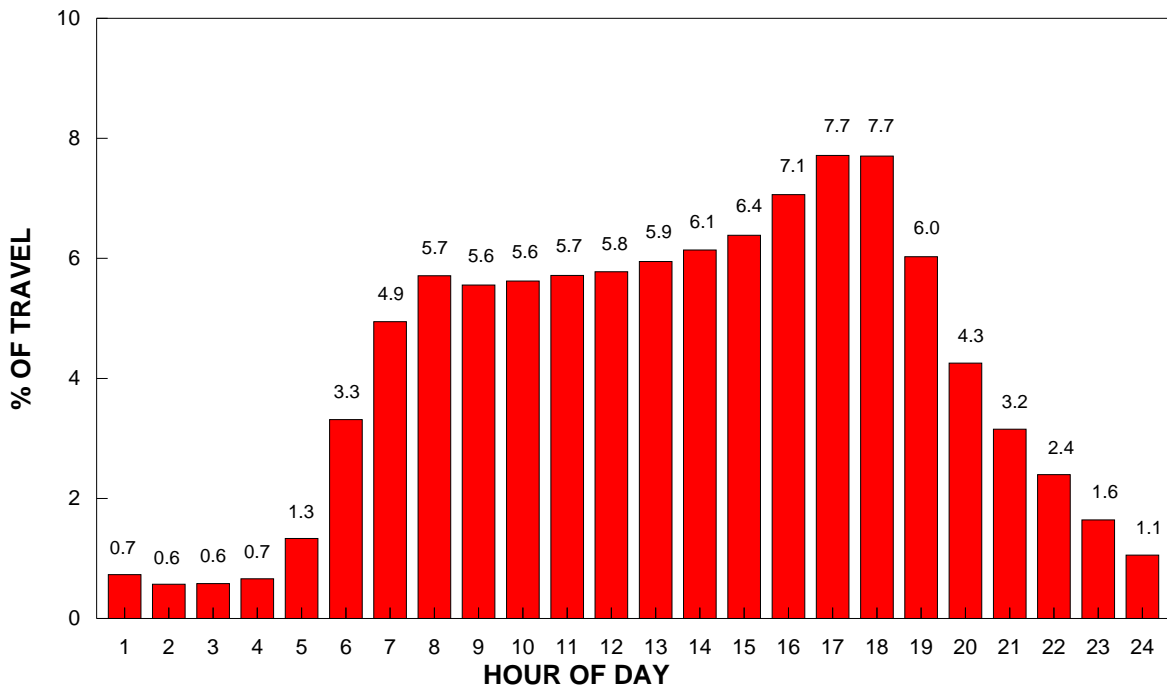


HOURLY DISTRIBUTION OF TRAVEL

RURAL PRINCIPAL ARTERIAL

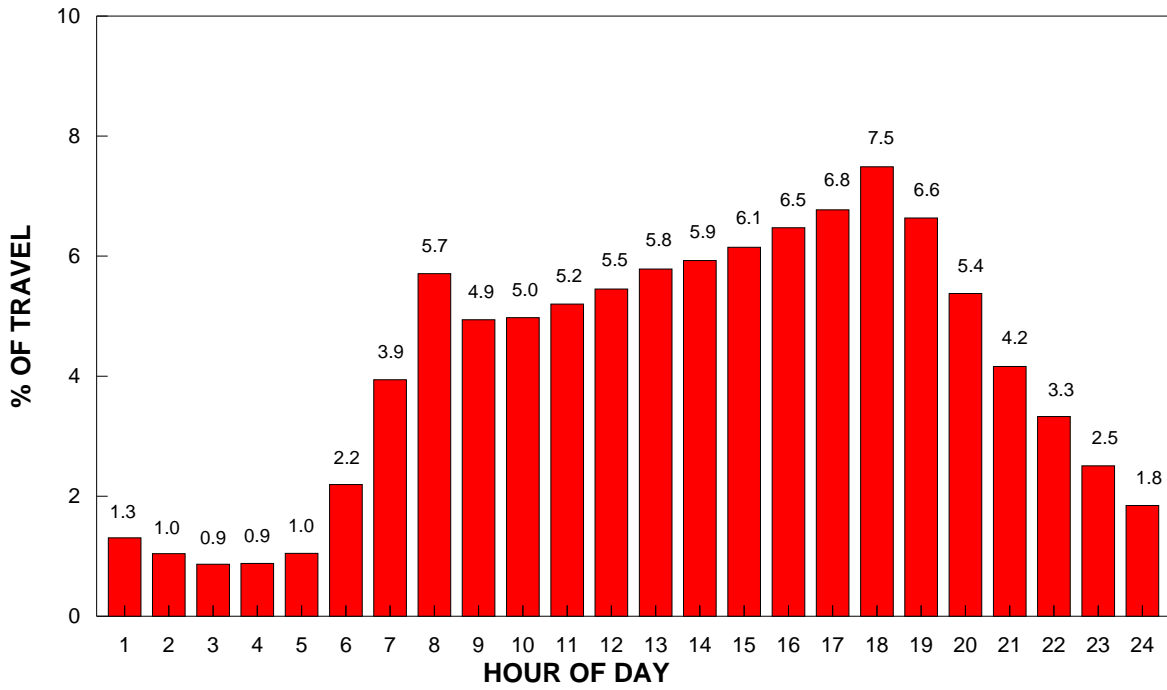


RURAL MINOR ARTERIAL

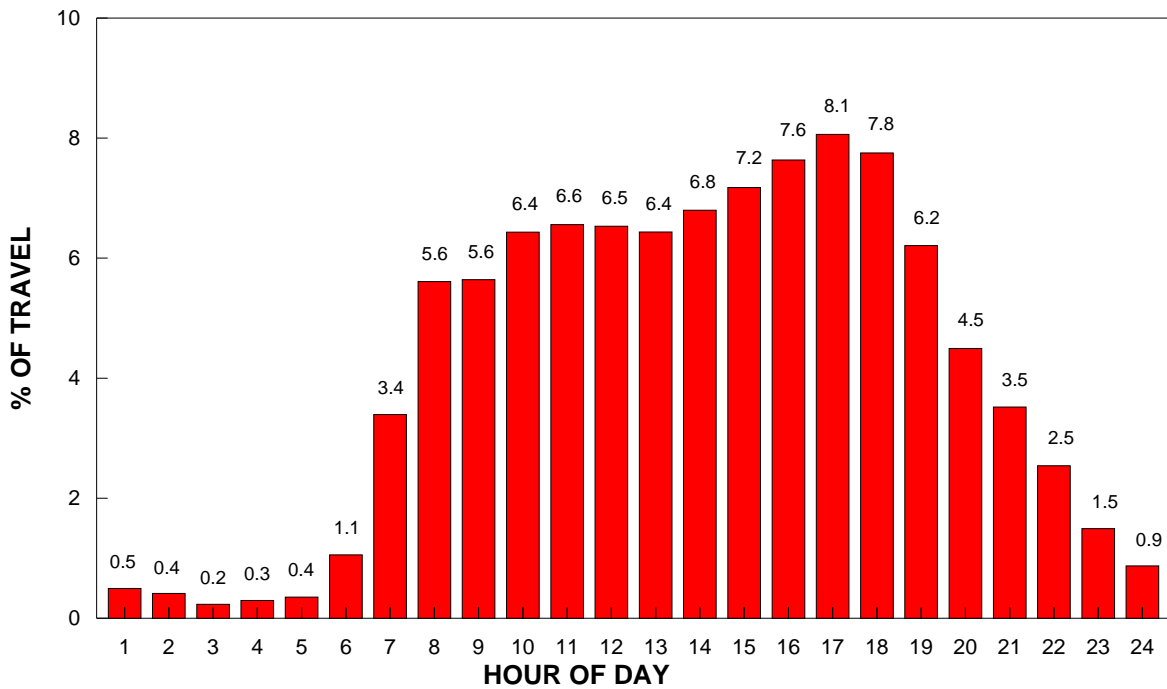


HOURLY DISTRIBUTION OF TRAVEL

RURAL MAJOR COLLECTOR - STATE

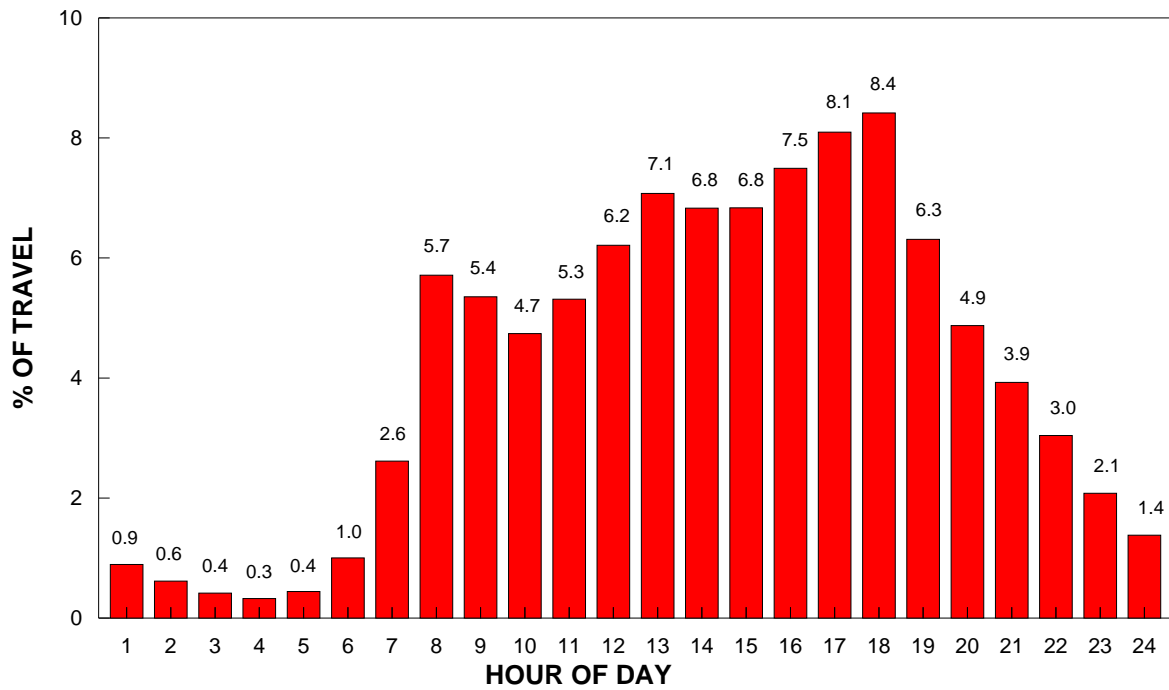


RURAL MAJOR COLLECTOR - COUNTY

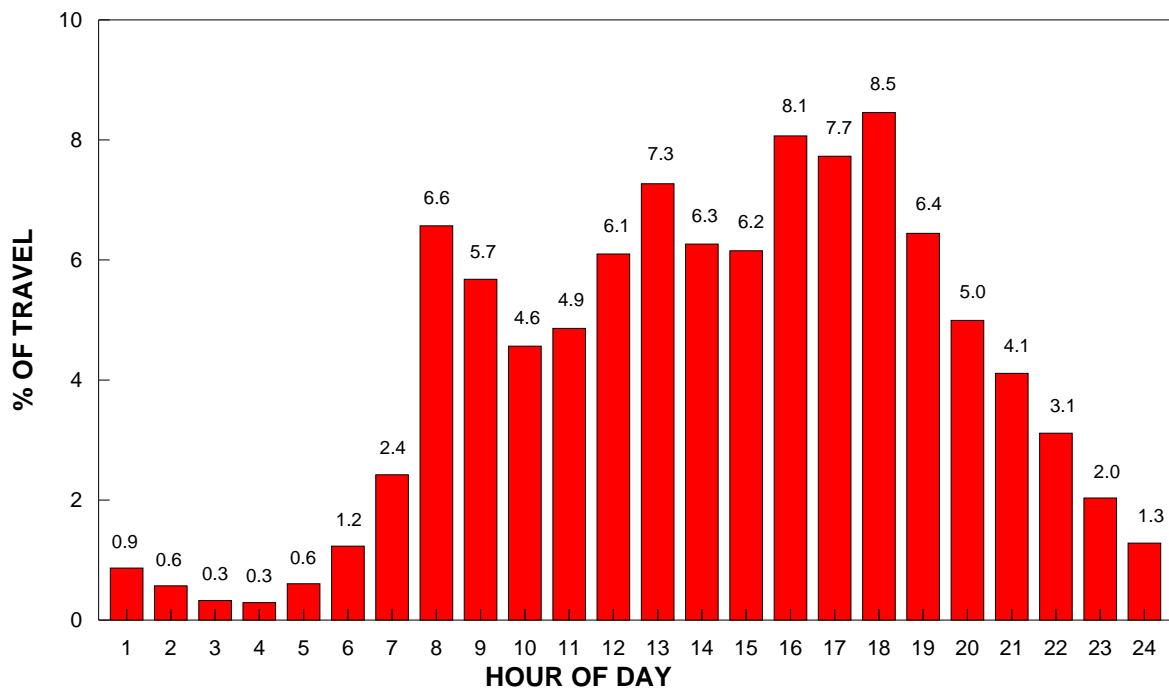


HOURLY DISTRIBUTION OF TRAVEL

URBAN PRINCIPAL ARTERIAL

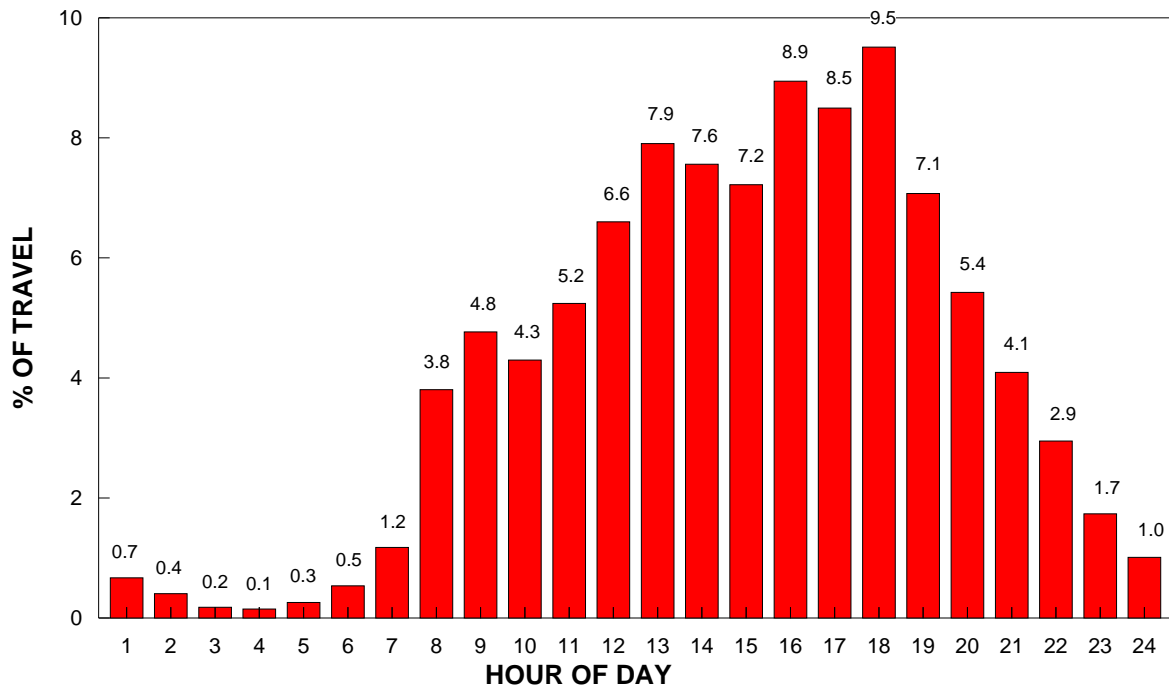


URBAN MINOR ARTERIAL



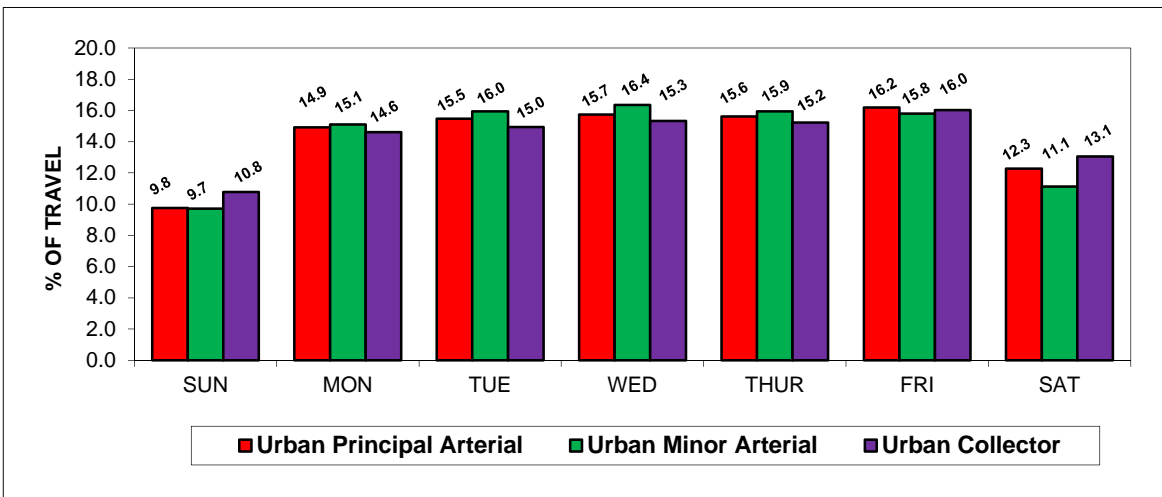
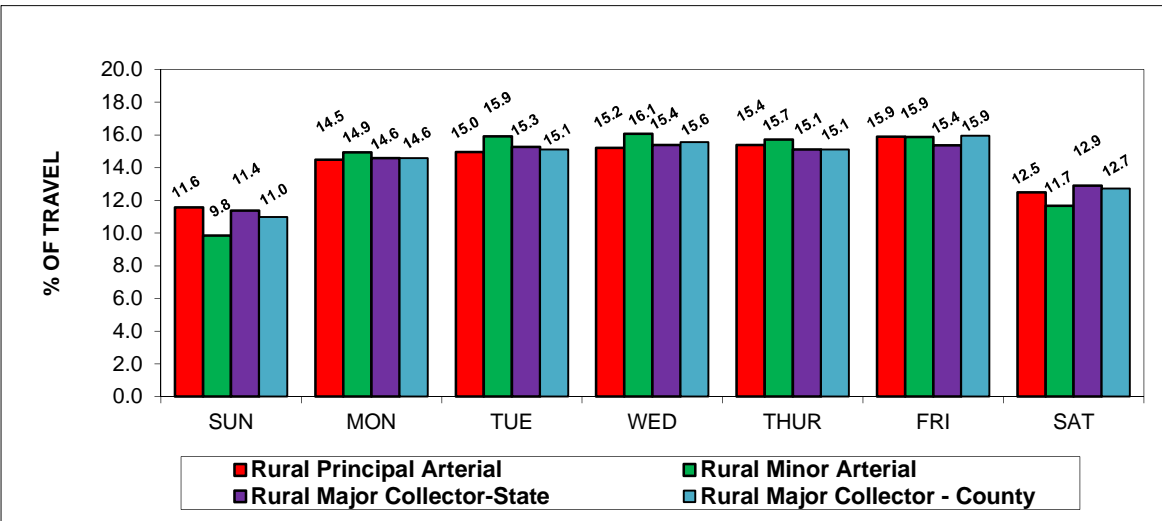
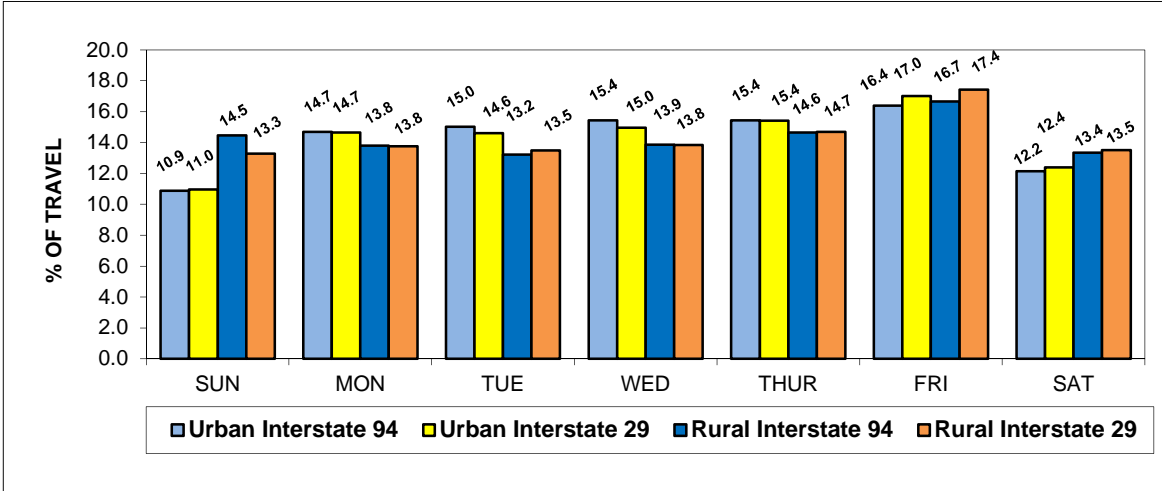
HOURLY DISTRIBUTION OF TRAVEL

URBAN COLLECTOR

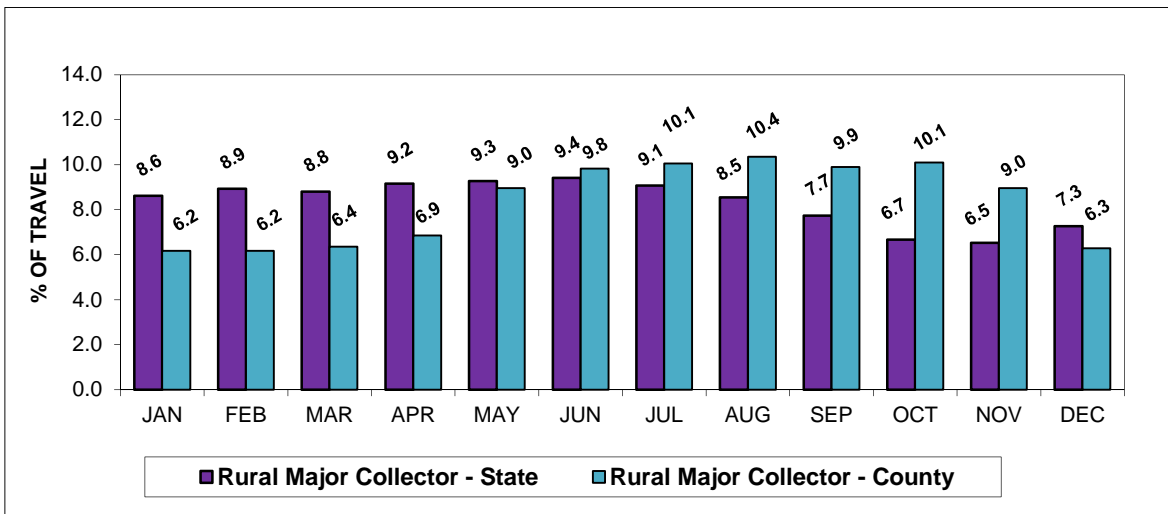
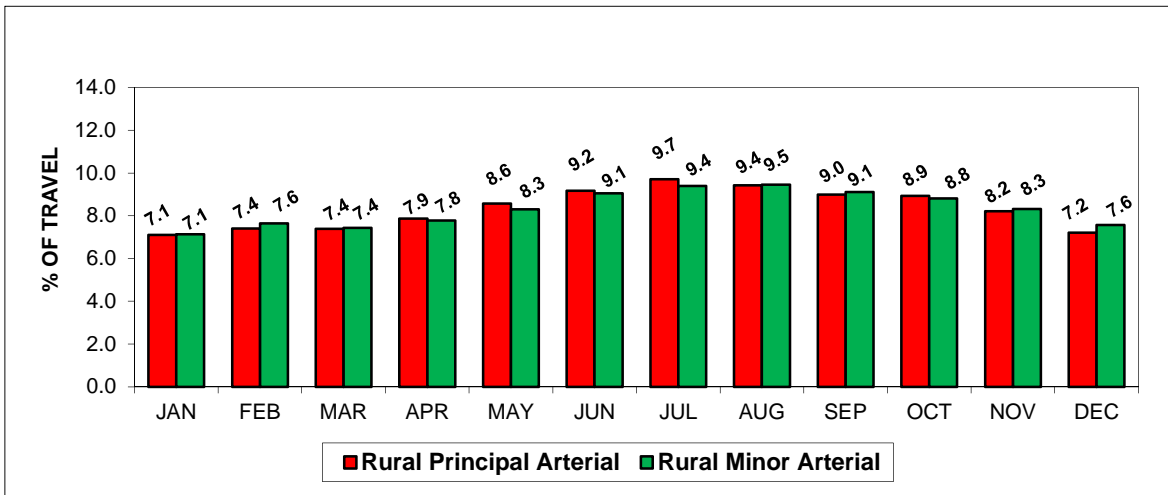
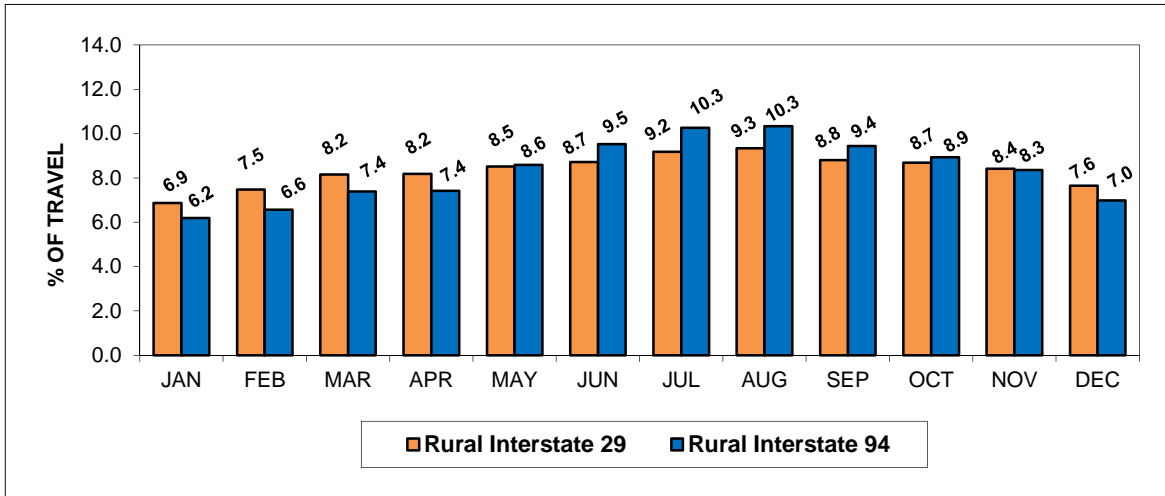


DAILY DISTRIBUTION OF TRAVEL

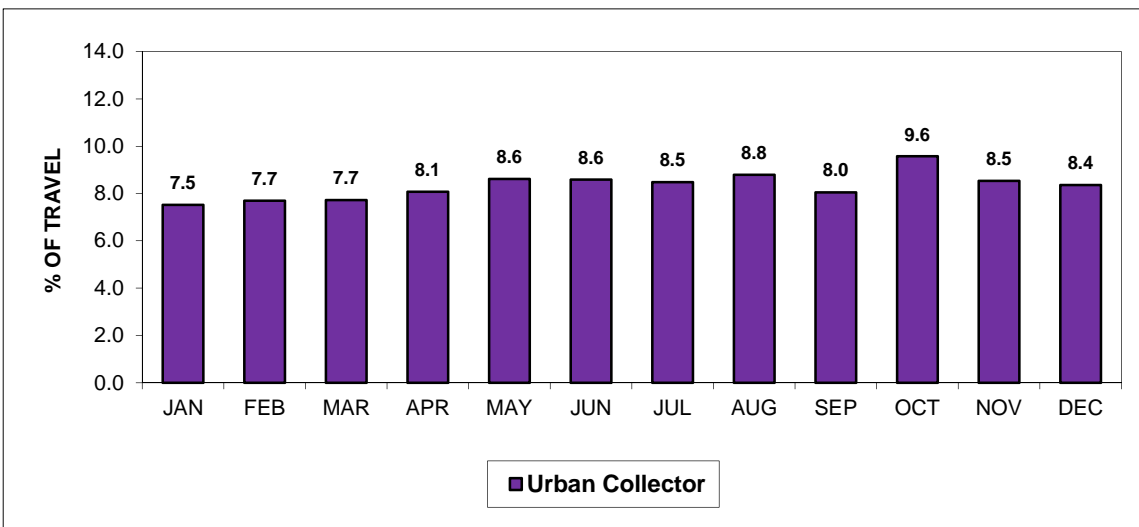
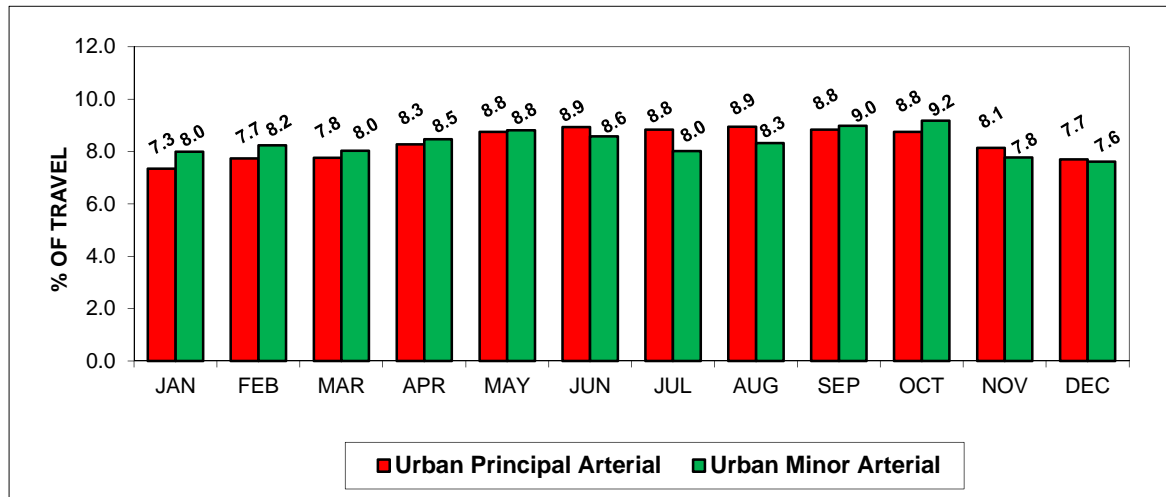
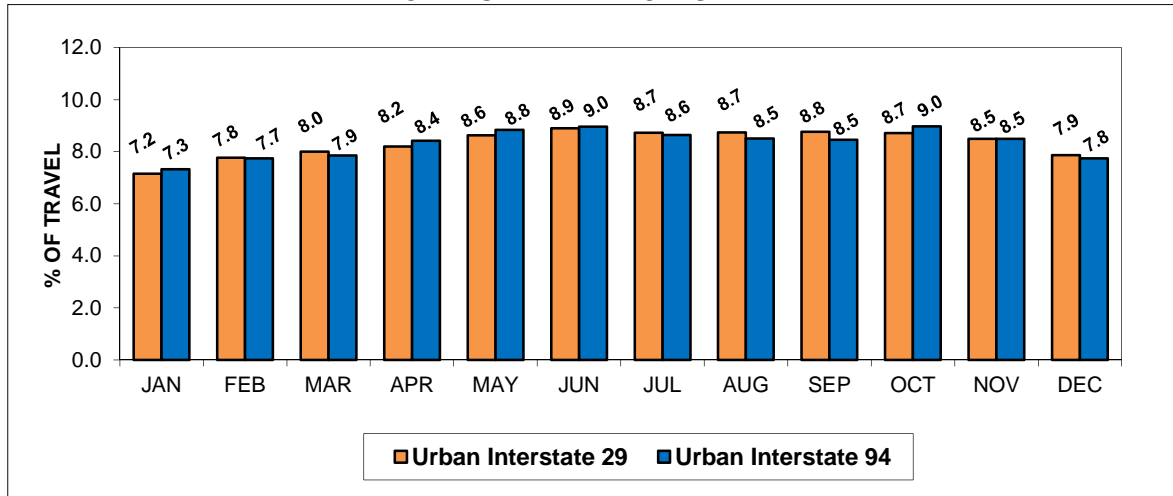
TOTAL VEHICLES



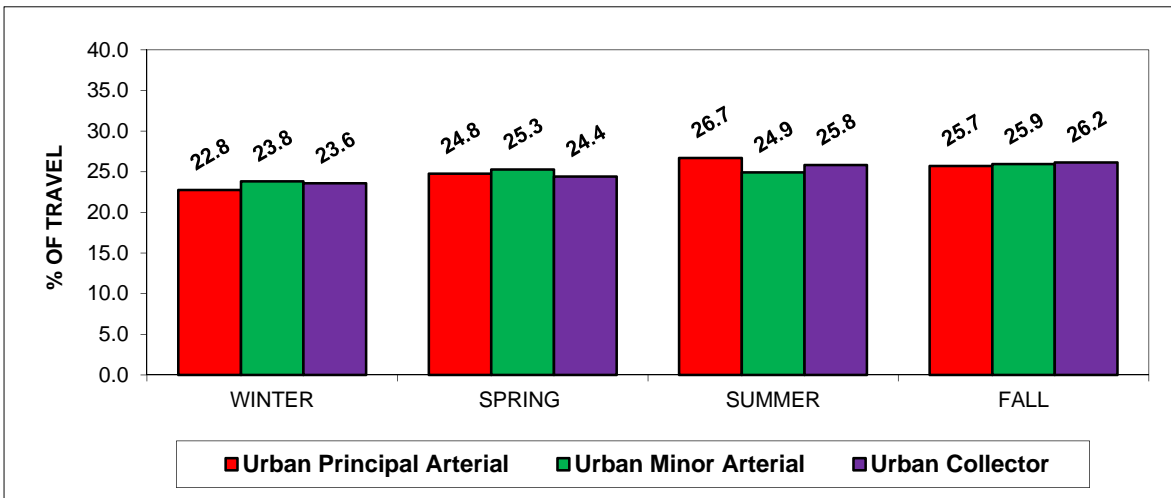
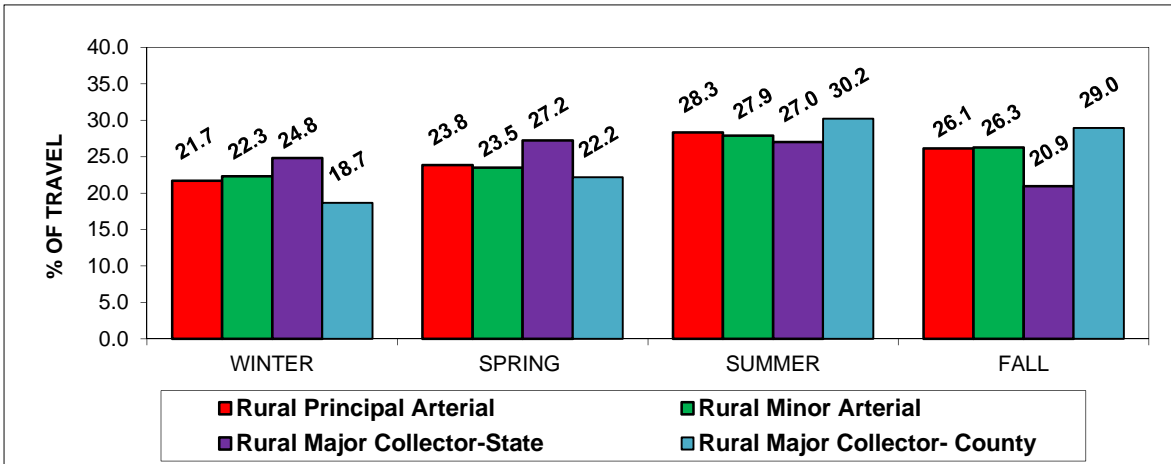
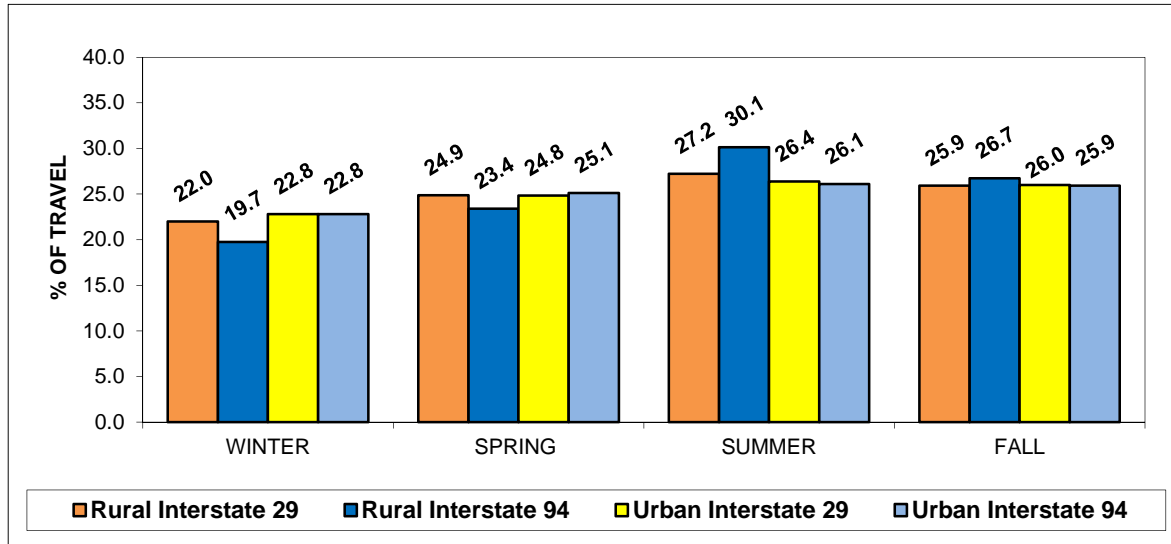
MONTHLY DISTRIBUTION OF ANNUAL TRAFFIC TOTAL RURAL VEHICLES



MONTHLY DISTRIBUTION OF ANNUAL TRAFFIC TOTAL URBAN VEHICLES

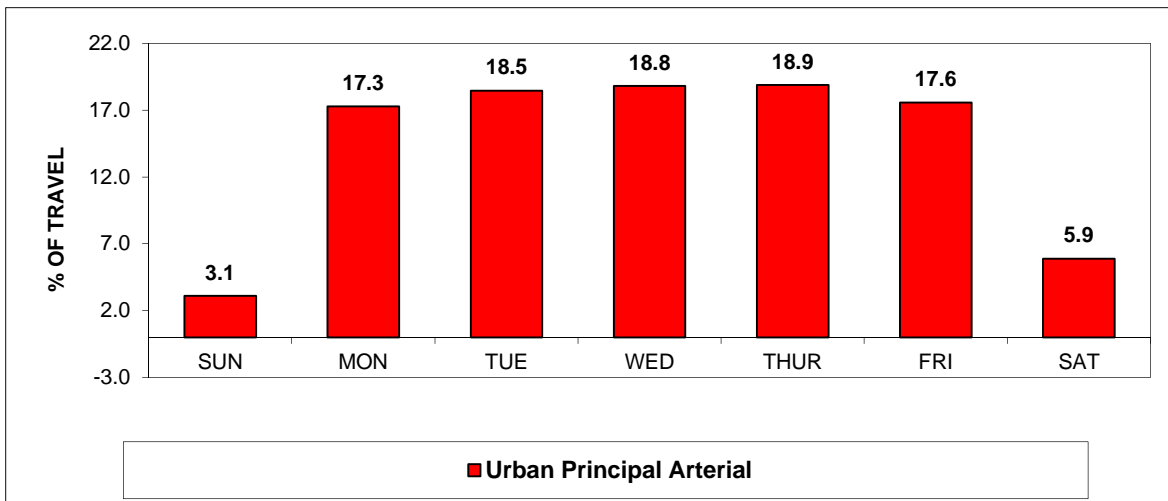
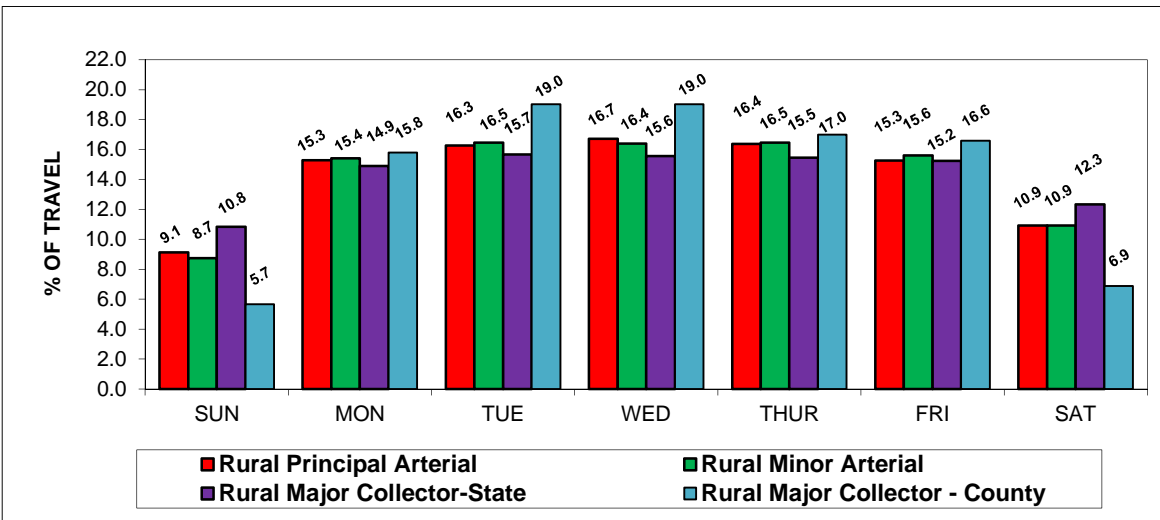
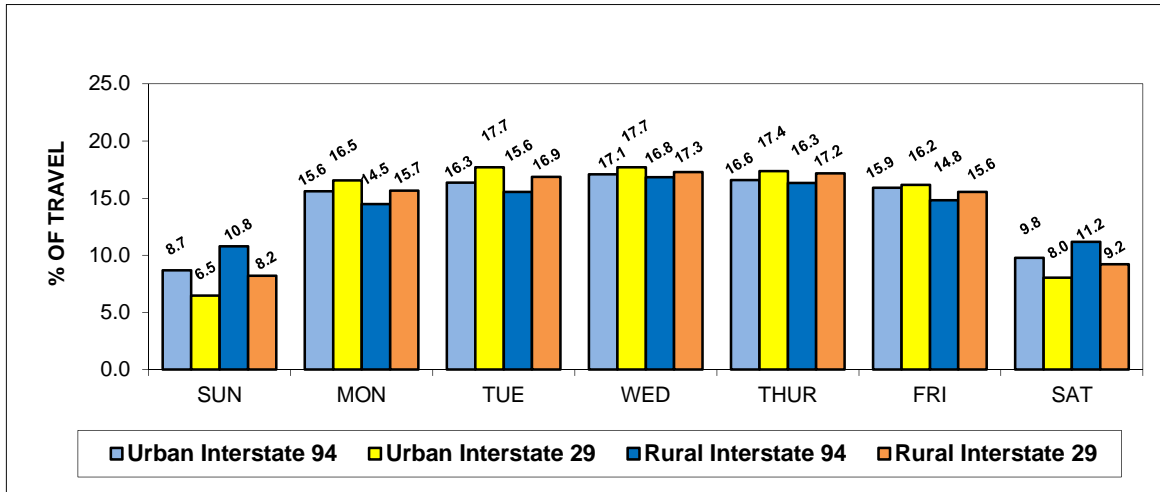


SEASONAL DISTRIBUTION OF TRAVEL TOTAL VEHICLES



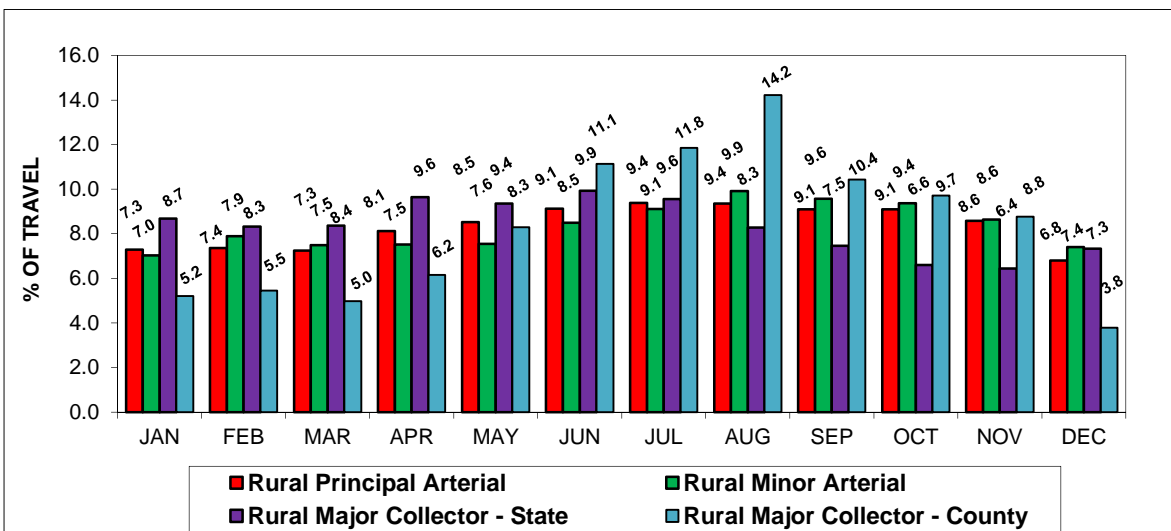
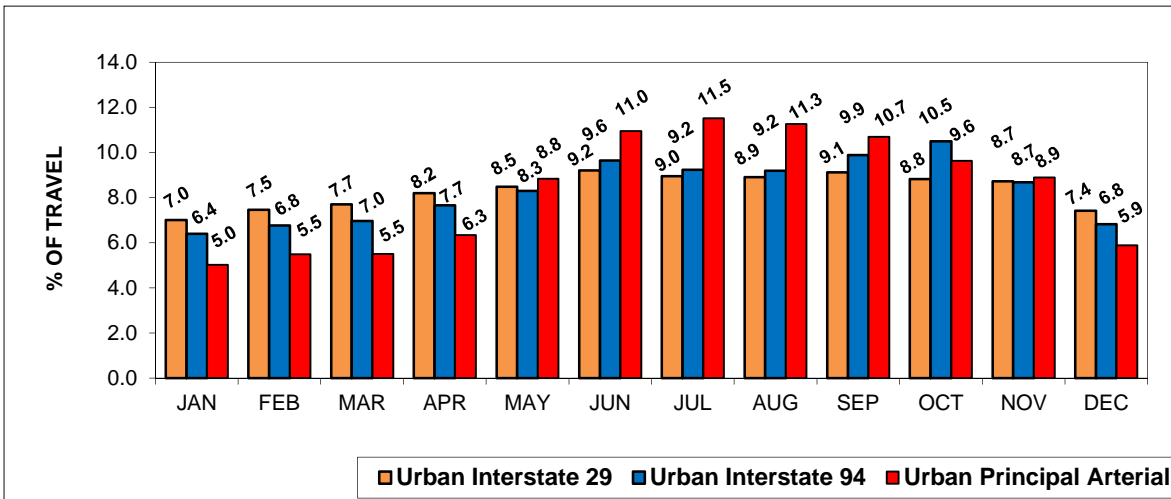
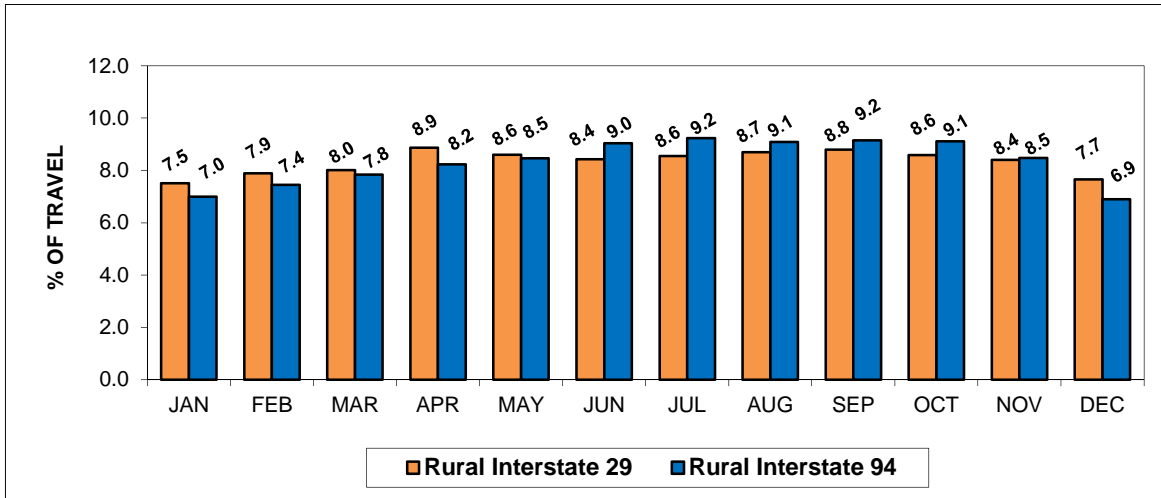
DAILY DISTRIBUTION OF TRAVEL

TOTAL TRUCKS

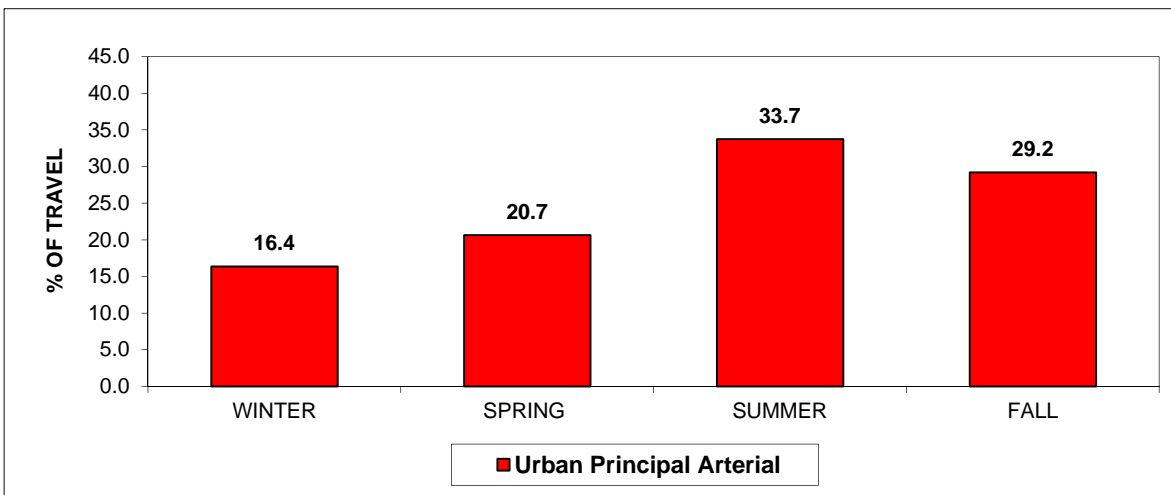
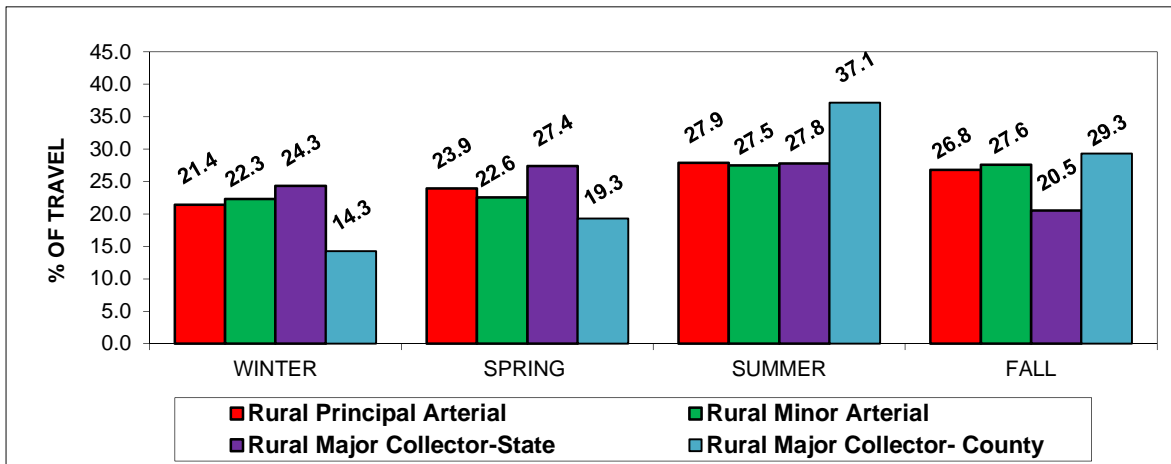
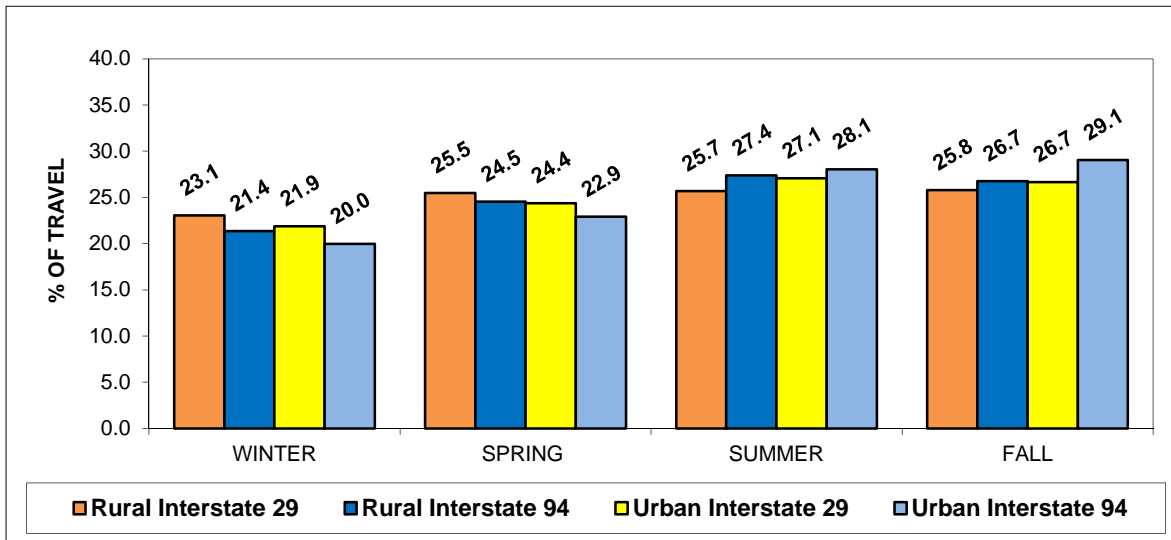


MONTHLY DISTRIBUTION OF ANNUAL TRAFFIC

TOTAL TRUCKS



SEASONAL DISTRIBUTION OF TRAVEL TOTAL TRUCKS



**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2013**

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	4437	1,178	26.5%	590	13.3%	565	51-49
		WEST	4156	718	17.3%	583	14.0%	548	52-48
		EAST & WEST	8593	1,308	15.2%	1088	12.7%		
223	NEW SALEM	EAST	4401	612	13.9%	498	11.3%	466	52-48
		WEST	4330	536	12.4%	456	10.5%	488	48-52
		EAST & WEST	8731	1,029	11.8%	932	10.7%		
245	TOWER CITY	EAST	5835	1,026	17.6%	737	12.6%	800	48-52
		WEST	5836	899	15.4%	757	13.0%	588	56-44
		EAST & WEST	11671	1,726	14.8%	1405	12.0%		
279	PAINTED CANYON	EAST	2433	378	15.5%	300	12.3%	242	55-45
		WEST	2418	513	21.2%	332	13.7%	273	55-45
		EAST & WEST	4851	698	14.4%	597	12.3%		
INTERSTATE RURAL - I-29									
211	BUXTON	NORTH	5892	955	16.2%	722	12.3%	573	56-44
		SOUTH	5868	1,127	19.2%	753	12.8%	748	50-50
		NORTH & SOUTH	11760	1,662	14.1%	1387	11.8%		
243	BOWESMONT	NORTH	1914	387	20.2%	280	14.6%	61	82-18
		SOUTH	1845	632	34.3%	287	15.6%	108	73-27
		NORTH & SOUTH	3759	641	17.1%	449	11.9%		
265	MOORETON	NORTH	3258	514	15.8%	368	11.3%	190	66-34
		SOUTH	3314	512	15.4%	397	12.0%	300	57-43
		NORTH & SOUTH	6572	883	13.4%	730	11.1%		
285	DAVENPORT	NORTH	5564	734	13.2%	668	12.0%	310	68-32
		SOUTH	5554	915	16.5%	730	13.1%	486	60-40
		NORTH & SOUTH	11118	1,438	12.9%	1250	11.2%		
INTERSTATE URBAN - I-94									
217	FARGO (U)	EAST	32533	4,357	13.4%	4100	12.6%	2938	58-42
		WEST	33144	4,075	12.3%	3796	11.5%	1827	68-32
		EAST & WEST	65677	7,521	11.5%	7038	10.7%		
283	BISMARCK (U)	EAST	13477	1,607	11.9%	1473	10.9%	1490	50-50
		WEST	13460	1,611	12.0%	1528	11.4%	1473	51-49
		EAST & WEST	26937	3,082	11.4%	2979	11.1%		
INTERSTATE URBAN - I-29									
235	FARGO (U)	NORTH	16157	2,459	15.2%	1818	11.3%	1657	52-48
		SOUTH	15365	2,108	13.7%	1746	11.4%	1681	51-49
		NORTH & SOUTH	31522	4,283	13.6%	3429	10.9%		
PRINCIPAL ARTERIAL RURAL									
201	RAY	EAST	3949	397	10.1%	354	9.0%	354	50-50
		WEST	3914	374	9.6%	334	8.5%	354	49-51
		EAST & WEST	7863	721	9.2%	670	8.5%		
203	MAX	NORTH	2734	522	19.1%	393	14.4%	201	66-34

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2013**

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	2668	451	16.9%	344	12.9%	254	58-42
		NORTH & SOUTH	5402	817	15.1%	646	12.0%		
205	GWINNER	EAST	541	109	20.1%	96	17.7%	18	84-16
		WEST	555	131	23.6%	95	17.1%	32	75-25
		EAST & WEST	1096	178	16.2%	139	12.7%		
215	JAMESTOWN	EAST	1748	341	19.5%	197	11.3%	172	53-47
		WEST	1795	224	12.5%	194	10.8%	142	58-42
		EAST & WEST	3543	451	12.7%	370	10.4%		
219	MANDAN	NORTH	802	158	19.7%	95	11.8%	53	64-36
		SOUTH	818	144	17.6%	111	13.6%	85	57-43
		NORTH & SOUTH	1620	251	15.5%	185	11.4%		
221	FAIRFIELD	NORTH	2375	267	11.2%	225	9.5%	145	61-39
		SOUTH	2372	300	12.6%	238	10.0%	140	63-37
		NORTH & SOUTH	4747	439	9.2%	383	8.1%		
229	COOPERSTOWN	EAST	451	84	18.6%	63	14.0%	41	61-39
		WEST	433	140	32.3%	57	13.2%	48	54-46
		EAST & WEST	884	186	21.0%	107	12.1%		
233	FOXHOLM	EAST	1476	207	14.0%	173	11.7%	72	71-29
		WEST	1516	194	12.8%	156	10.3%	134	54-46
		EAST & WEST	2992	332	11.1%	291	9.7%		
237	NEKOMA	NORTH	405	69	17.0%	55	13.6%	51	52-48
		SOUTH	417	83	19.9%	59	14.1%	37	61-39
		NORTH & SOUTH	822	126	15.3%	104	12.7%		
239	NEW TOWN	EAST	3404	374	11.0%	328	9.6%	268	55-45
		WEST	3492	424	12.1%	331	9.5%	314	51-49
		EAST & WEST	6896	709	10.3%	637	9.2%		
241	BOTTINEAU	EAST	636	118	18.6%	94	14.8%	61	61-39
		WEST	660	118	17.9%	85	12.9%	51	63-38
		EAST & WEST	1296	191	14.7%	150	11.6%		
251	HAGUE	NORTH	494	74	15.0%	51	10.3%	31	62-38
		SOUTH	491	78	15.9%	54	11.0%	29	65-35
		NORTH & SOUTH	985	123	12.5%	94	9.5%		
253	RUGBY	EAST	1590	368	23.1%	205	12.9%	223	48-52
		WEST	1550	248	16.0%	197	12.7%	101	66-34
		EAST & WEST	3140	446	14.2%	359	11.4%		
255	CROSBY	EAST	876	142	16.2%	106	12.1%	52	67-33
		WEST	868	126	14.5%	105	12.1%	59	64-36
		EAST & WEST	1744	197	11.3%	165	9.5%		
257	WILLISTON	EAST	1494	224	15.0%	134	9.0%	66	67-33
		WEST	1497	224	15.0%	167	11.2%	11	94-6
		EAST & WEST	2991	303	10.1%	262	8.8%		
261	CARRINGTON	NORTH	901	138	15.3%	111	12.3%	68	62-38
		SOUTH	904	126	13.9%	101	11.2%	61	62-38

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2013**

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	1805	223	12.4%	198	11.0%		
271	GOLDEN VALLEY	EAST	710	100	14.1%	77	10.8%	74	51-49
		WEST	712	96	13.5%	75	10.5%	82	48-52
		EAST & WEST	1422	160	11.3%	138	9.7%		
273	NEW LEIPZIG	EAST	189	50	26.5%	36	19.0%	11	77-23
		WEST	187	48	25.7%	32	17.1%	12	73-27
		EAST & WEST	376	92	24.5%	64	17.0%		
281	SAWYER	EAST	2579	444	17.2%	397	15.4%	208	66-34
		WEST	2645	461	17.4%	415	15.7%	135	75-25
		EAST & WEST	5224	629	12.0%	585	11.2%		
297	WILLISTON NW	NORTH	728	124	17.0%	99	13.6%	117	46-54
		SOUTH	786	144	18.3%	105	13.4%	116	48-52
		NORTH & SOUTH	1514	239	15.8%	193	12.7%		
303	MICHIGAN	EAST	2100	360	17.1%	276	13.1%	235	54-46
		WEST	2165	541	25.0%	287	13.3%	183	61-39
		EAST & WEST	4265	698	16.4%	527	12.4%		
307	WASHBURN	NORTH	3047	532	17.5%	341	11.2%	392	47-53
		SOUTH	3003	467	15.6%	378	12.6%	245	61-39
		NORTH & SOUTH	6050	815	13.5%	685	11.3%		
311	WILLISTON 2N	EAST	6071	576	9.5%	522	8.6%	470	53-47
		WEST	6019	603	10.0%	553	9.2%	484	53-47
		EAST & WEST	12090	1,142	9.4%	1027	8.5%		
MINOR ARTERIAL RURAL									
231	GRAFTON	EAST	1258	287	22.8%	161	12.8%	61	73-27
		WEST	1265	411	32.5%	169	13.4%	114	60-40
		EAST & WEST	2523	463	18.4%	286	11.3%		
247	COURTENAY	NORTH	230	69	30.0%	38	16.5%	24	61-39
		SOUTH	227	56	24.7%	34	15.0%	13	72-28
		NORTH & SOUTH	457	81	17.7%	60	13.1%		
249	GARRISON	EAST	859	186	21.7%	127	14.8%	90	59-41
		WEST	843	155	18.4%	111	13.2%	97	53-47
		EAST & WEST	1702	265	15.6%	224	13.2%		
275	HANNOVER	NORTH	329	86	26.1%	46	14.0%	35	57-43
		SOUTH	320	67	20.9%	42	13.1%	22	66-34
		NORTH & SOUTH	649	93	14.3%	78	12.0%		
289	MANNING	NORTH	2881	393	13.6%	340	11.8%	116	75-25
		SOUTH	2838	478	16.8%	361	12.7%	184	66-34
		NORTH & SOUTH	5719	659	11.5%	551	9.6%		
291	MARMARTH	EAST	401	69	17.2%	55	13.7%	50	52-48
		WEST	402	92	22.9%	64	15.9%	43	60-40
		EAST & WEST	803	131	16.3%	101	12.6%		
293	KILLDEER	NORTH	1950	287	14.7%	252	12.9%	102	71-29

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2013**

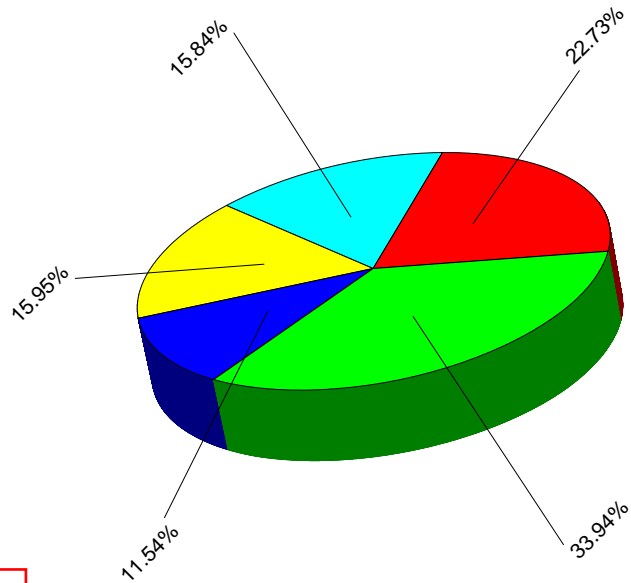
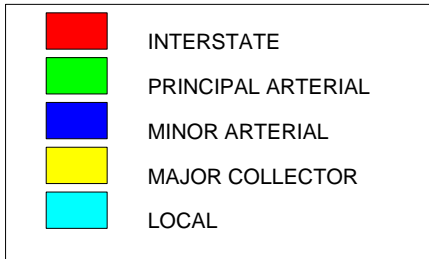
STATION NUMBER	STATION NAME	DIRECTION	ANNUAL AVERAGE DAILY TRAFFIC (AADT)	---- PEAK HOUR ----		----- DESIGN HOUR -----			
				VOLUME	% OF AADT	VOLUME	% OF AADT	VOLUME OPPOSITE DIR	DIRECTIONAL DISTRIBUTION
MINOR ARTERIAL RURAL									
293	KILLDEER	SOUTH	1912	391	20.4%	295	15.4%	88	77-23
		NORTH & SOUTH	3862	487	12.6%	399	10.3%		
295	NECHE	NORTH	220	65	29.5%	34	15.5%	11	76-24
		SOUTH	229	52	22.7%	40	17.5%	19	68-32
		NORTH & SOUTH	449	90	20.0%	67	14.9%		
MAJOR COLLECTOR - COUNTY									
225	STERLING	EAST	342	74	21.6%	53	15.5%	20	73-27
		WEST	314	67	21.3%	42	13.4%	13	76-24
		EAST & WEST	656	109	16.6%	80	12.2%		
259	AYR	EAST	164	31	18.9%	26	15.9%	16	62-38
		WEST	165	37	22.4%	26	15.8%	15	63-37
		EAST & WEST	329	59	17.9%	47	14.3%		
277	REGENT	NORTH	169	38	22.5%	28	16.6%	17	62-38
		SOUTH	174	208	119.5%	28	16.1%	13	68-32
		NORTH & SOUTH	343	208	60.6%	49	14.3%		
MAJOR COLLECTOR - STATE									
267	TRENTON	NORTH	2616	297	11.4%	268	10.2%	126	68-32
		SOUTH	2567	407	15.9%	302	11.8%	162	65-35
		NORTH & SOUTH	5183	615	11.9%	498	9.6%		
PRINCIPAL ARTERIAL URBAN									
287	GRAND FORKS	NORTH	10736	1,413	13.2%	1040	9.7%	1045	50-50
		SOUTH	10660	1,240	11.6%	1130	10.6%	952	54-46
		NORTH & SOUTH	21396	2,356	11.0%	2126	9.9%		
501	FARGO (U)	NORTH	11555	1,532	13.3%	1412	12.2%	769	65-35
		SOUTH	12518	1,568	12.5%	1470	11.7%	990	60-40
		NORTH & SOUTH	24073	2,592	10.8%	2451	10.2%		
503	BISMARCK (U)	EAST	6555	933	14.2%	821	12.5%	736	53-47
		WEST	6304	833	13.2%	749	11.9%	789	49-51
		EAST & WEST	12859	1,726	13.4%	1557	12.1%		
603	WILLISTON (U)	EAST	5688	1,029	18.1%	890	15.6%	502	64-36
		WEST	5302	732	13.8%	538	10.1%	472	53-47
		EAST & WEST	10990	1,501	13.7%	1368	12.4%		
605	MANDAN (U)	EAST	10098	1,166	11.5%	1010	10.0%	655	61-39
		WEST	10793	1,528	14.2%	1375	12.7%	916	60-40
		EAST & WEST	20891	2,500	12.0%	2342	11.2%		
MINOR ARTERIAL-URBAN									
607	DICKINSON (U)	EAST	1615	276	17.1%	243	15.0%	164	60-40
		WEST	1714	312	18.2%	268	15.6%	80	77-23
		EAST & WEST	3329	466	14.0%	411	12.3%		
611	MINOT (U)	EAST	1424	245	17.2%	178	12.5%	102	64-36
		WEST	1550	226	14.6%	192	12.4%	153	56-44

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2013**

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-URBAN									
611	MINOT (U)	EAST & WEST	2974	426	14.3%	335	11.3%		
COLLECTOR URBAN									
609	MINOT (U)	EAST	1398	297	21.2%	165	11.8%	114	59-41
		WEST	1404	214	15.2%	182	13.0%	144	56-44
		EAST & WEST	2802	496	17.7%	337	12.0%		

2013 COMPARISON OF VEHICLE MILES TO RURAL ROAD MILES

Vehicle Miles Traveled



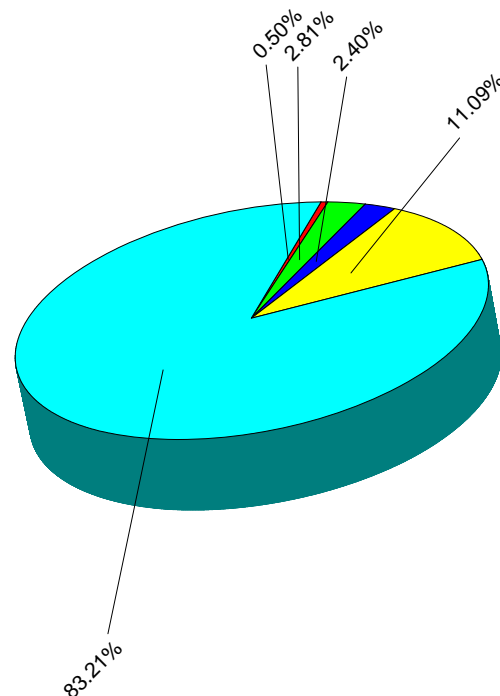
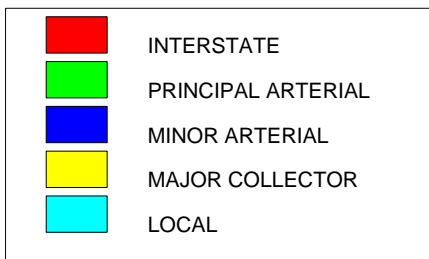
Interesting facts:

--Local roads comprise 83.21% of the roads in the state but carry only 15.84% of the traffic.

--Interstates comprise less than 1% of the roads but carry 22.73% of the traffic.

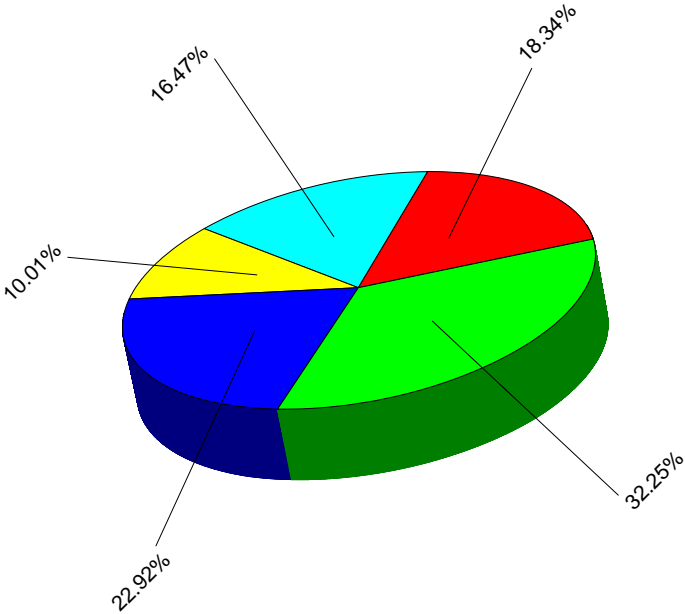
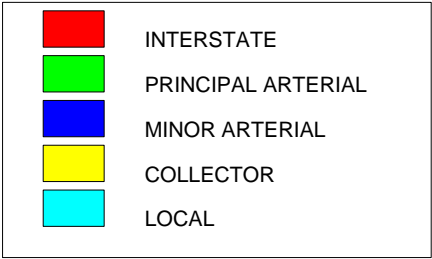
--Principal Arterials comprise only 2.81% of the roads but carry 33.94% of the traffic.

Road Miles



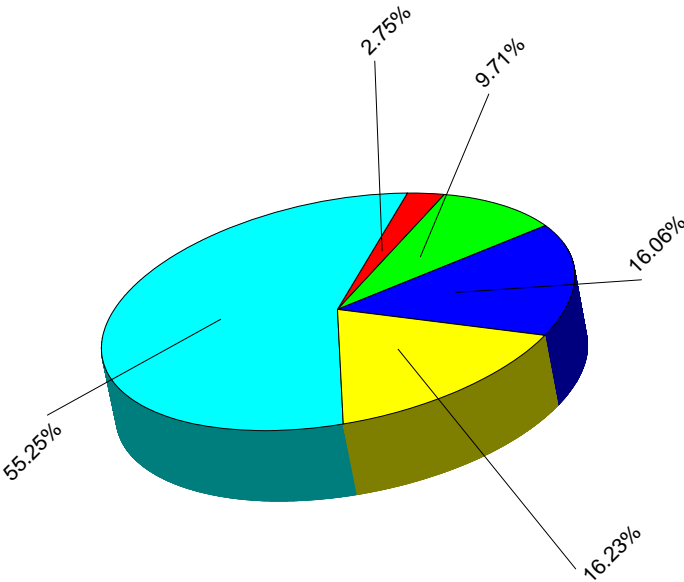
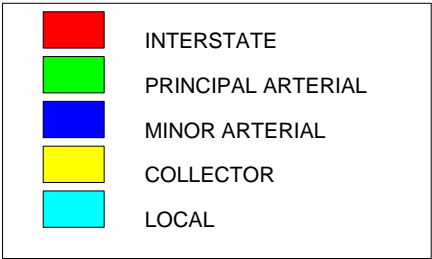
2013 COMPARISON OF VEHICLE MILES TO URBAN ROAD MILES

Vehicle Miles Traveled



Interesting fact:
 --Local roads comprise 55.25% of the urban roads in the state but carry only 16.47% of the traffic.

Road Miles



**NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
SUMMARY OF 2013 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	141.3	378.0	0.0	0.0	0.0	519.3	519.3
INTERSTATE URBAN	10.4	41.3	0.0	0.0	0.0	51.7	51.7
TOTAL	151.7	419.4	0.0	0.0	0.0	571.0	571.0
PRINCIPAL ARTERIAL RURAL	2,808.3	129.2	0.0	0.0	0.0	2,937.5	2,937.5
PRINCIPAL ARTERIAL URBAN	87.3	49.4	0.0	0.0	0.0	136.7	133.9
TOTAL	2,895.6	178.6	0.0	0.0	0.0	3,074.2	3,071.3
MINOR ARTERIAL RURAL	2,513.7	1.5	0.0	0.0	0.0	2,515.1	
MINOR ARTERIAL URBAN	7.1	2.4	0.0	0.0	0.0	9.5	
TOTAL	2,520.8	3.9	0.0	0.0	0.0	2,524.6	
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	6,769.0	608.1	0.5	0.0	0.0	7,377.6	3,642.4
COUNTY							
MAJOR COLLECTOR RURAL	4,468.9	45.5	5,673.5	3.0	1.5	10,192.3	
MAJOR COLLECTOR CITY	193.7	4.4	68.6	0.1	0.0	266.9	
TOTAL	4,662.6	49.9	5,742.1	3.1	1.5	10,459.2	
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	1,062.0	35.7	52,294.1	6,342.9	25,192.0	84,926.7	
LOCAL ROADS CITY	1,071.5	5.3	979.8	43.6	122.8	2,222.9	
TOTAL	2,133.5	41.0	53,273.9	6,386.5	25,314.9	87,149.7	
TOTAL COUNTY SYSTEM	6,798.6	90.8	59,015.9	6,389.6	25,316.4	97,611.4	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	236.8	45.7	22.7	0.0	0.7	305.9	
LOCAL STREETS	735.1	147.2	141.9	1.1	13.2	1,038.6	
TOTAL URBAN SYSTEM	1,219.3	260.2	189.2	1.4	13.9	1,684.2	44.8
TOTAL RURAL ROADS	13,460.1	605.8	59,016.4	6,389.6	25,316.4	104,788.2	
TOTAL CITY STREETS	1,326.9	353.4	189.2	1.4	13.9	1,884.9	
TOTAL	14,786.9	959.2	59,205.7	6,391.0	25,330.3	106,673.1	
TOTAL NHS							3,644.9

FUNCTIONAL SYSTEM MILEAGE

SYSTEM	RURAL	URBAN	TOTAL
INTERSTATE	519.3	51.7	571.0
PRINCIPAL	2,940.0	183.1	3,123.1
MINOR	2,515.1	302.8	2,817.9
COLLECTOR	11,623.5	305.9	11,929.4
LOCAL	87,190.4	1,041.4	88,231.7
TOTAL	104,788.2	1,884.9	106,673.1

2013 URBAN ANNUAL VEHICLE MILES OF TRAVEL BY FUNCTIONAL CLASS
 (VEHICLE MILES OF TRAVEL SHOWN IN THOUSANDS)

CITY	INTERSTATE	PRINCIPAL ARTERIAL	MINOR ARTERIAL	COLLECTOR	LOCAL STREETS	TOTAL
BISMARCK	48,052	169,465	75,567	50,866	40,089	384,040
DEVILS LAKE		22,999	5,959	7,124	6,628	42,709
DICKINSON	19,542	37,426	33,047	14,992	32,977	137,985
FARGO	233,463	160,587	195,778	66,338	155,848	812,013
GRAND FORKS	15,585	115,283	54,720	35,012	37,572	258,172
JAMESTOWN	20,925	24,388	9,523	8,954	13,525	77,315
MANDAN	57,240	39,032	27,974	6,844	10,143	141,233
MINOT		137,885	68,613	20,913	51,153	278,565
VALLEY CITY	18,824	5,500	5,928	4,247	6,380	40,880
WAHPETON		11,506	8,171	4,576	10,771	35,024
WEST FARGO	45,633	19,151	51,440	15,541	23,531	155,296
WILLISTON		64,387	37,241	15,285	23,859	140,772
TOTAL	459,265	807,609	573,962	250,693	412,477	2,504,005

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

2013 RURAL ANNUAL VEHICLE MILES OF TRAVEL BY FUNCTIONAL CLASS

(VEHICLE MILES OF TRAVEL SHOWN IN THOUSANDS)

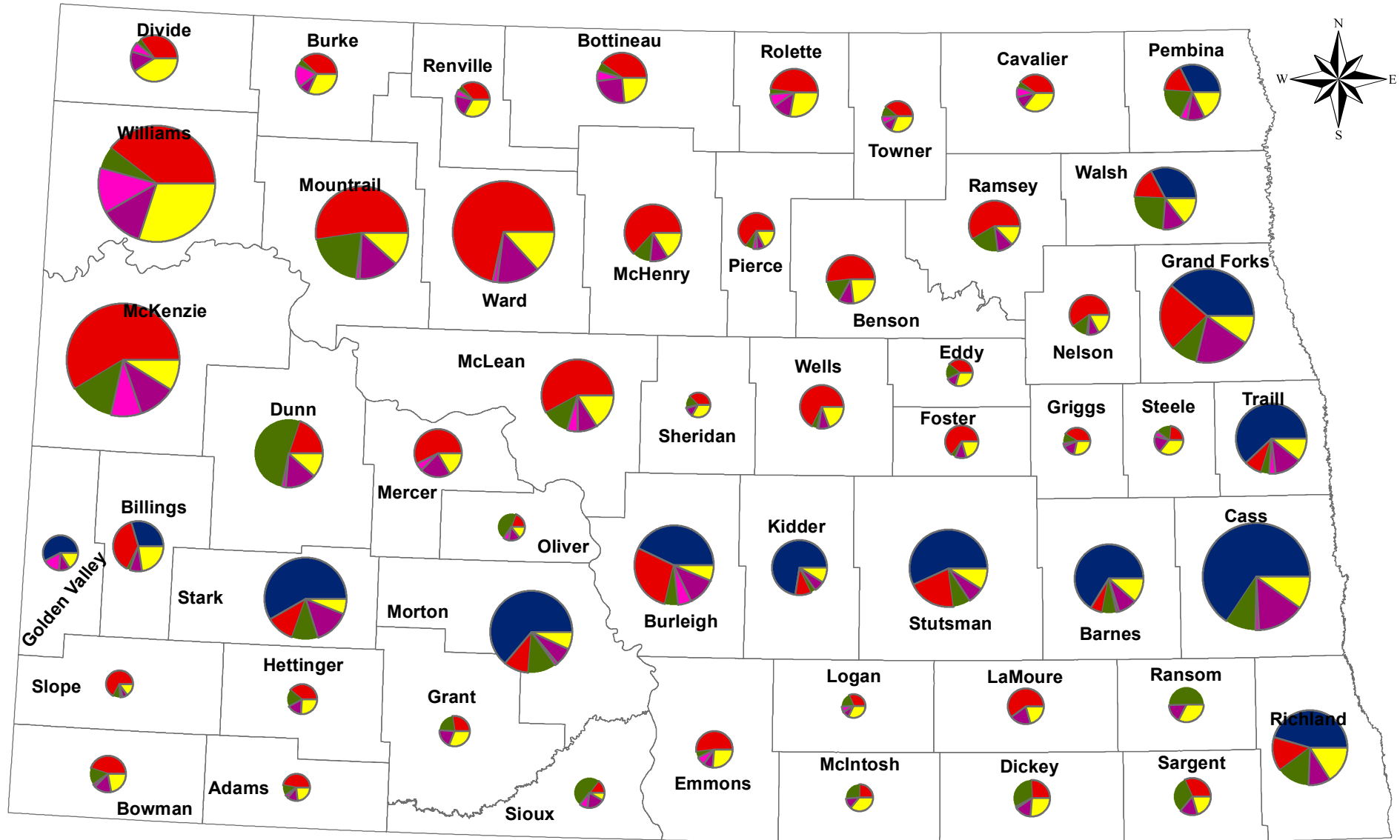
COUNTY	INTERSTATE	PRINCIPAL ARTERIAL	MINOR ARTERIAL	STATE MAJOR COLLECTOR	COUNTY MAJOR COLLECTOR	LOCAL ROADS	TOTAL
ADAMS		14,985	3,871	1,363	4,092	7,413	31,725
BARNES	135,170	11,387	13,659	2,786	17,902	23,251	204,156
BENSON		52,502	15,479	315	10,106	23,353	101,754
BILLINGS	32,584	41,688	1,960		8,662	24,782	109,675
BOTTINEAU		43,084	5,744	7,233	26,334	25,176	107,571
BOWMAN		25,292	8,401	1,534	8,876	12,440	56,543
BURKE		27,524	3,534	12,902	5,840	22,863	72,663
BURLEIGH	117,527	78,232	14,839	14,836	31,745	17,367	274,546
CASS	326,003		45,774	5,385	70,925	49,281	497,368
CAVALIER		23,541	2,946	5,168	6,498	20,771	58,924
DICKEY		14,595	18,244	959	8,228	14,858	56,884
DIVIDE		32,890	3,300	6,482	13,049	38,556	94,277
DUNN		39,757	104,729	3,895	29,403	23,522	201,306
EDDY		11,732	5,681		3,780	8,877	30,070
EMMONS		30,005	3,077	4,349	4,767	15,212	57,410
FOSTER		30,484	1,679		5,224	9,630	47,017
GOLDEN VALLEY	30,849			8,613	5,312	8,647	53,420
GRAND FORKS	146,983	89,113	34,061	2,248	71,985	37,217	381,607
GRANT		10,813	8,515		7,886	12,195	39,408
GRIGGS		13,079	3,604	1,353	4,800	8,986	31,822
HETTINGER		15,472	7,269		6,270	10,241	39,253
KIDDER	93,924	12,442	3,439		8,233	11,698	129,736
LAMOURE		33,013	457	241	10,407	11,403	55,521
LOGAN		7,591	4,699	2,027	2,173	7,859	24,349
MC HENRY		87,460	13,956	972	14,361	22,496	139,245
MC INTOSH		8,037	8,263		4,217	11,575	32,092
MC KENZIE		322,411	71,053	48,658	59,000	49,197	550,318
MC LEAN		130,236	27,879	10,903	19,708	36,370	225,096
MERCER		56,041	942	5,281	20,105	16,115	98,483
MORTON	186,344	28,585	32,344	3,243	20,687	20,174	291,376
MOUNTRAIL		193,995	77,091	4,435	51,859	43,565	370,946
NELSON		40,871	8,873	1,117	5,718	11,902	68,481
OLIVER		6,287	14,742	2,114	4,405	4,706	32,255
PEMBINA	43,393	21,800	25,906	5,611	13,501	23,566	133,777
PIERCE		37,245	3,685	2,148	3,817	9,946	56,841
RAMSEY		65,467	20,501		11,358	14,356	111,683
RANSOM			26,343		9,025	17,171	52,538
RENVILLE		18,209	2,340	3,209	10,304	16,684	50,746
RICHLAND	110,334	35,860	34,270		23,169	38,978	242,611
ROLETTE		47,706	3,216	8,572	12,622	27,565	99,680
SARGENT		18,743	18,920		9,162	12,152	58,977
SHERIDAN		9,761	3,972	310	3,302	8,701	26,046
SIOUX		5,755	19,717	3,486	7,374	3,174	39,506
SLOPE		21,371	2,709	1,010	2,003	4,722	31,814
STARK	169,675	32,771	29,595		40,844	17,489	290,374
STEELE		8,572	5,974	2,190	6,602	13,048	36,387
STUTSMAN	146,488	52,402	18,272	2,371	17,611	23,030	260,174
TOWNER		15,953	4,640	2,884	4,499	12,709	40,685
TRAILL	133,613	17,688	7,584	6,433	26,856	22,693	214,867
WALSH	53,741	26,943	40,287	1,308	19,326	23,855	165,458
WARD		320,604		6,904	61,289	59,463	448,259
WELLS		55,670	2,975	832	6,665	15,825	81,968
WILLIAMS		232,550	35,532	74,588	69,268	176,117	588,054
TOTAL	1,726,627	2,578,214	876,541	280,266	931,158	1,202,937	7,595,742

2013 ANNUAL VEHICLE MILES OF TRAVEL BY COUNTY

(VEHICLE MILES OF TRAVEL SHOWN IN THOUSANDS)

COUNTY	RURAL	URBAN	COUNTY TOTAL	PERCENT OF STATE TRAVEL
ADAMS	31,725		31,725	0.31%
BARNES	204,156	40,880	245,035	2.43%
BENSON	101,754		101,754	1.01%
BILLINGS	109,675		109,675	1.09%
BOTTINEAU	107,571		107,571	1.07%
BOWMAN	56,543		56,543	0.56%
BURKE	72,663		72,663	0.72%
BURLEIGH	274,546	384,040	658,586	6.52%
CASS	497,368	967,309	1,464,677	14.50%
CAVALIER	58,924		58,924	0.58%
DICKEY	56,884		56,884	0.56%
DIVIDE	94,277		94,277	0.93%
DUNN	201,306		201,306	1.99%
EDDY	30,070		30,070	0.30%
EMMONS	57,410		57,410	0.57%
FOSTER	47,017		47,017	0.47%
GOLDEN VALLEY	53,420		53,420	0.53%
GRAND FORKS	381,607	258,172	639,779	6.33%
GRANT	39,408		39,408	0.39%
GRIGGS	31,822		31,822	0.32%
HETTINGER	39,253		39,253	0.39%
KIDDER	129,736		129,736	1.28%
LAMOURE	55,521		55,521	0.55%
LOGAN	24,349		24,349	0.24%
MC HENRY	139,245		139,245	1.38%
MC INTOSH	32,092		32,092	0.32%
MC KENZIE	550,318		550,318	5.45%
MC LEAN	225,096		225,096	2.23%
MERCER	98,483		98,483	0.98%
MORTON	291,376	141,233	432,609	4.28%
MOUNTRAIL	370,946		370,946	3.67%
NELSON	68,481		68,481	0.68%
OLIVER	32,255		32,255	0.32%
PEMBINA	133,777		133,777	1.32%
PIERCE	56,841		56,841	0.56%
RAMSEY	111,683	42,709	154,392	1.53%
RANSOM	52,538		52,538	0.52%
RENVILLE	50,746		50,746	0.50%
RICHLAND	242,611	35,024	277,635	2.75%
ROLETTE	99,680		99,680	0.99%
SARGENT	58,977		58,977	0.58%
SHERIDAN	26,046		26,046	0.26%
SIOUX	39,506		39,506	0.39%
SLOPE	31,814		31,814	0.31%
STARK	290,374	137,985	428,359	4.24%
STEELE	36,387		36,387	0.36%
STUTSMAN	260,174	77,315	337,489	3.34%
TOWNER	40,685		40,685	0.40%
TRAILL	214,867		214,867	2.13%
WALSH	165,458		165,458	1.64%
WARD	448,259	278,565	726,824	7.20%
WELLS	81,968		81,968	0.81%
WILLIAMS	588,054	140,772	728,827	7.22%
TOTAL	7,595,742	2,504,005	10,099,747	100.00%

2013 RURAL ANNUAL VEHICLE MILES OF TRAVEL BY FUNCTIONAL CLASSIFICATION



(46)

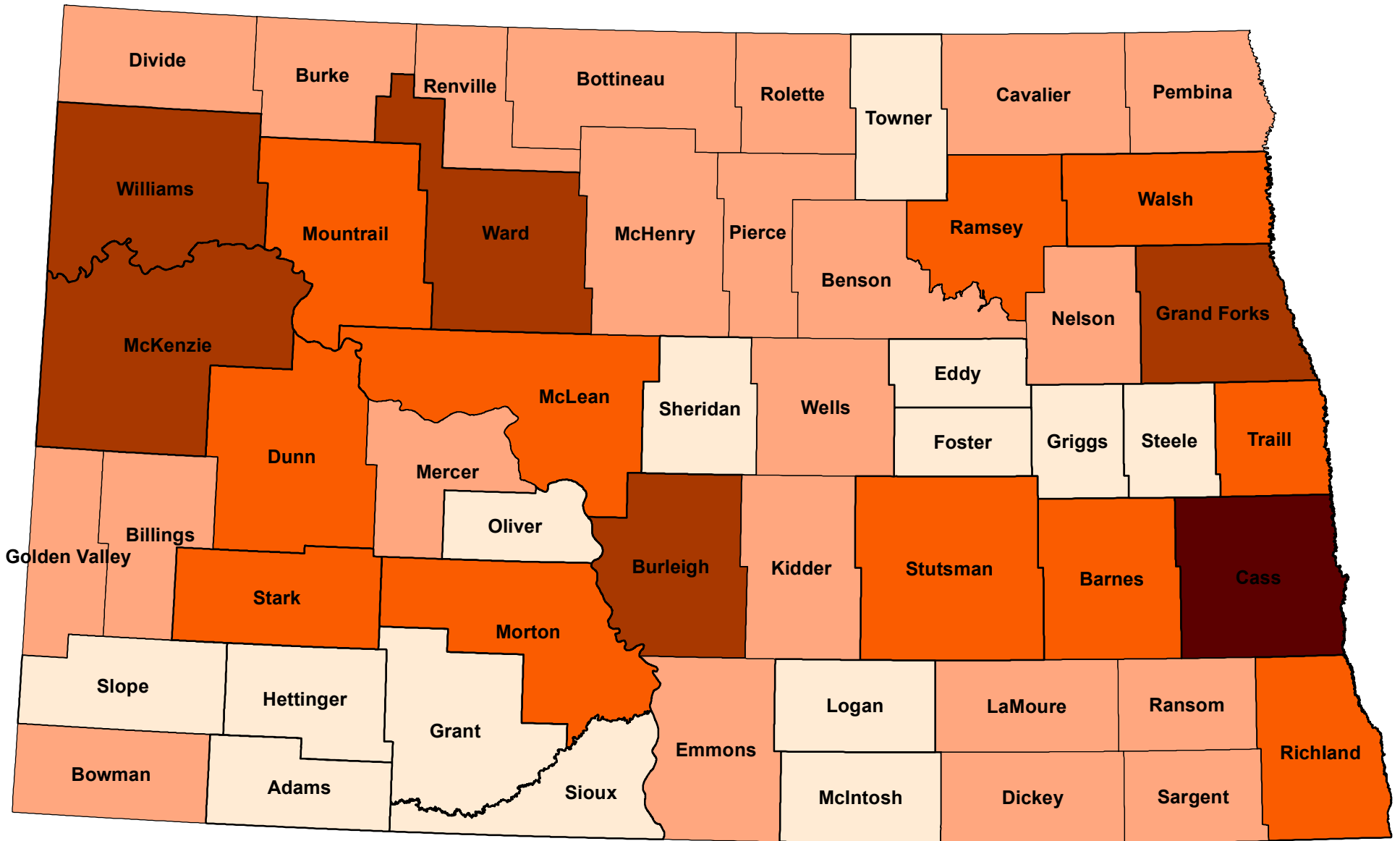
FUNCTIONAL CLASSES

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

NOTES: - Data from page 44 of this report.
 - The size of each individual pie chart is representative of the total VMT in that county.

Planning & Asset Management Division
 Roadway Data
 December 2013

2013 TOTAL ANNUAL VEHICLE MILES OF TRAVEL



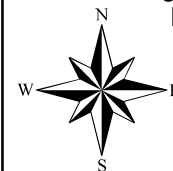
(47)

Vehicle Miles of Travel

- 1 - 50,000
- 50,001 - 150,000
- 150,001 - 500,000
- 500,001 - 1,000,000
- Over 1,000,000

NOTES: - Data from page 45 of this report.
 - Vehicle miles of travel shown in thousands.

Planning & Asset Management Division
 Roadway Data Section
 December 2013



Daily Truck VMT for Statewide

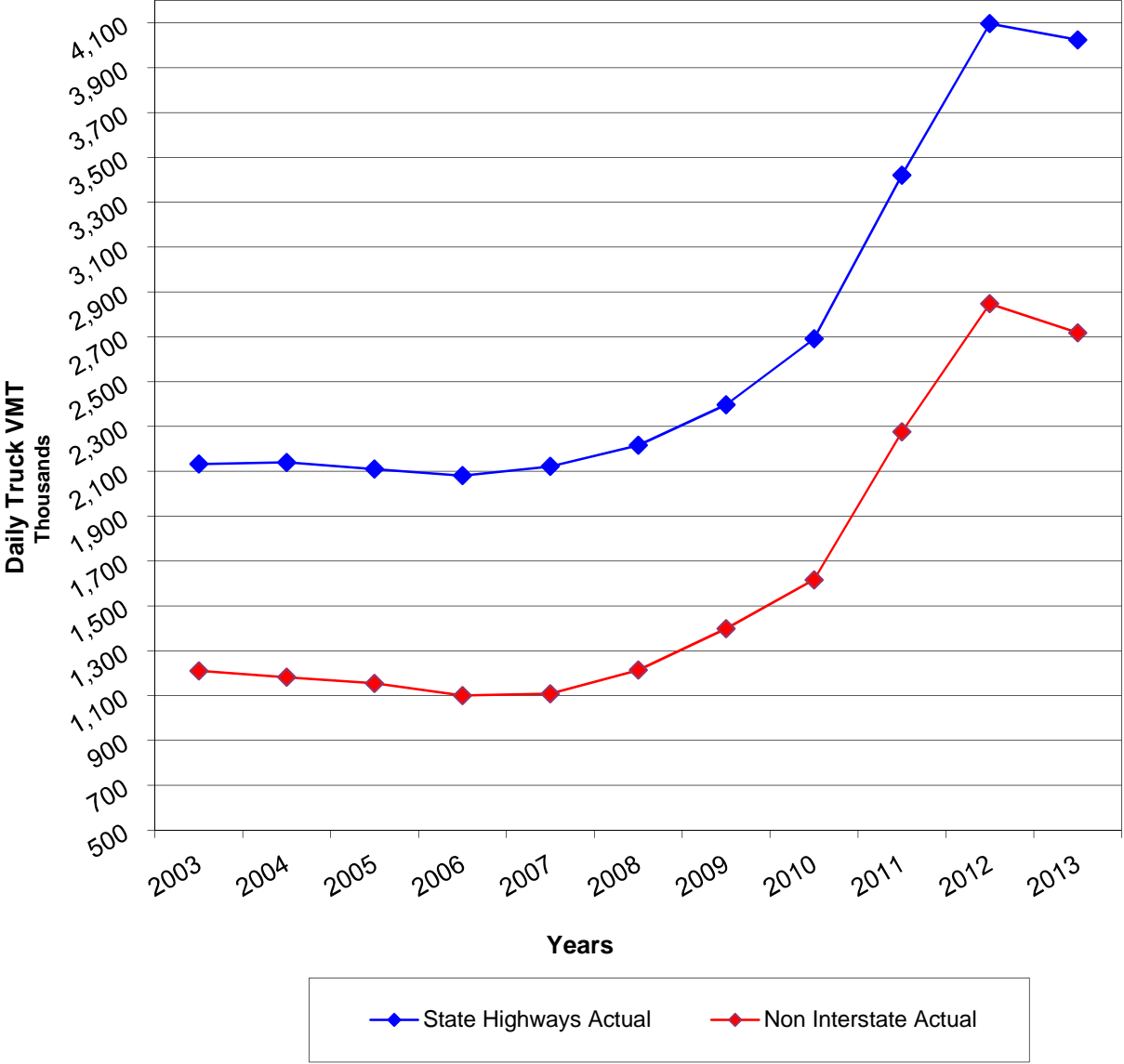
All State Highways

Years	Total Daily VMT	Total Daily Truck VMT	% Total Trucks	% Combination Trucks
1998	12,318,386	1,685,090	13.68%	9.68%
1999	12,280,850	1,734,787	14.13%	10.13%
2000	12,161,423	1,784,956	14.68%	10.68%
2001	12,069,946	1,959,965	16.24%	12.24%
2002	12,372,609	2,065,392	16.69%	12.69%
2003	12,584,059	2,132,255	16.94%	12.94%
2004	12,834,849	2,139,703	16.67%	12.67%
2005	12,843,726	2,109,678	16.43%	12.43%
2006	12,864,635	2,081,109	16.18%	12.18%
2007	13,143,830	2,121,611	16.14%	12.14%
2008	13,070,318	2,216,080	16.96%	12.96%
2009	13,924,765	2,397,242	17.22%	13.22%
2010	14,820,481	2,690,766	18.16%	14.16%
2011	16,243,388	3,420,858	21.06%	17.06%
2012	18,271,885	4,096,544	22.42%	18.42%
2013	17,989,449	4,023,974	22.37%	18.37%

Non Interstate Highways

Years	Total Daily VMT	Total Daily Truck VMT	% Total Trucks	% Combination Trucks
1998	8,278,749	968,340	11.70%	8.70%
1999	8,221,039	992,840	12.08%	9.08%
2000	7,987,867	995,695	12.47%	9.47%
2001	7,872,873	1,092,789	13.88%	10.88%
2002	7,998,087	1,169,617	14.62%	11.62%
2003	8,063,953	1,210,348	15.01%	12.01%
2004	8,106,756	1,181,721	14.58%	11.58%
2005	8,161,190	1,154,376	14.14%	11.14%
2006	8,177,826	1,100,032	13.45%	10.45%
2007	8,131,192	1,108,160	13.63%	10.63%
2008	8,242,828	1,213,812	14.73%	11.73%
2009	8,831,321	1,398,467	15.84%	12.84%
2010	9,480,532	1,616,106	17.05%	14.05%
2011	10,638,070	2,276,547	21.40%	18.40%
2012	12,413,930	2,847,472	22.94%	19.94%
2013	12,030,186	2,717,706	22.59%	19.59%

Daily Truck VMT for Statewide



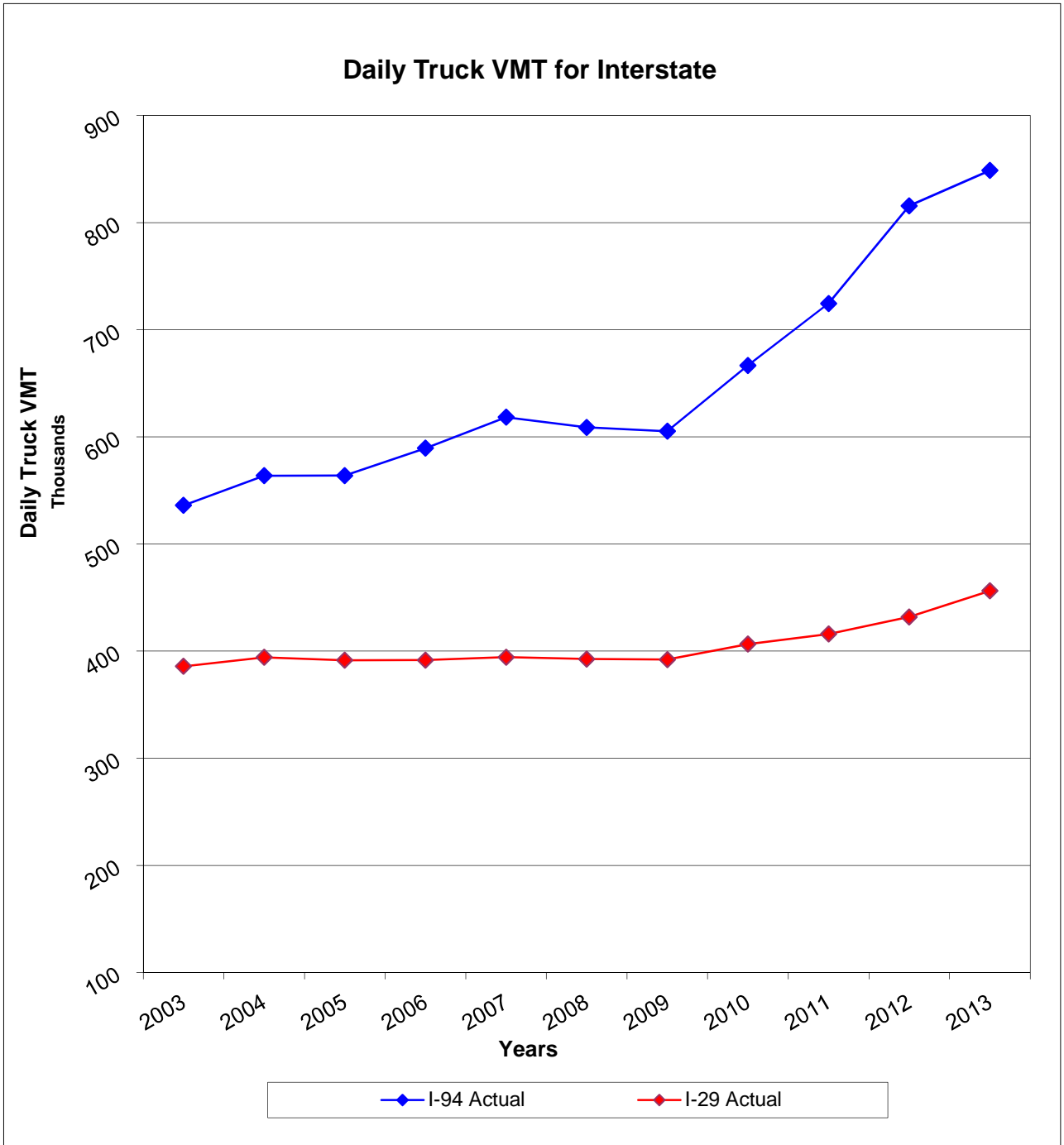
Daily Truck VMT for Interstate

I-94

Years	Total Daily VMT	Total Daily Truck VMT	% Total Trucks	% Combination Trucks
1998	2,509,630	422,330	16.83%	12.83%
1999	2,433,087	446,754	18.36%	14.36%
2000	2,556,535	470,392	18.40%	14.40%
2001	2,526,691	521,943	20.66%	16.66%
2002	2,635,093	524,858	19.92%	15.92%
2003	2,692,975	536,105	19.91%	15.91%
2004	2,860,897	563,806	19.71%	15.71%
2005	2,821,424	563,819	19.98%	15.98%
2006	2,798,960	589,420	21.06%	17.06%
2007	3,017,981	618,409	20.49%	16.49%
2008	2,850,232	608,886	21.36%	17.36%
2009	3,023,712	605,289	20.02%	16.02%
2010	3,234,497	666,693	20.61%	16.61%
2011	3,521,263	724,509	20.58%	16.58%
2012	3,728,705	815,713	21.88%	17.88%
2013	3,775,960	848,651	22.48%	18.48%

I-29

Years	Total Daily VMT	Total Daily Truck VMT	% Total Trucks	% Combination Trucks
1998	1,530,007	294,420	19.24%	16.24%
1999	1,626,724	295,193	18.15%	15.15%
2000	1,617,021	318,869	19.72%	16.72%
2001	1,670,382	345,233	20.67%	17.67%
2002	1,739,429	370,917	21.32%	18.32%
2003	1,827,132	385,802	21.12%	18.12%
2004	1,867,196	394,176	21.11%	18.11%
2005	1,861,112	391,483	21.03%	18.03%
2006	1,887,849	391,657	20.75%	17.75%
2007	1,972,376	394,295	19.99%	16.99%
2008	1,954,977	392,635	20.08%	17.08%
2009	2,048,101	392,097	19.14%	16.14%
2010	2,083,822	406,578	19.51%	16.51%
2011	2,045,921	416,022	20.33%	17.33%
2012	2,097,150	431,954	20.60%	17.60%
2013	2,160,887	456,211	21.11%	18.11%

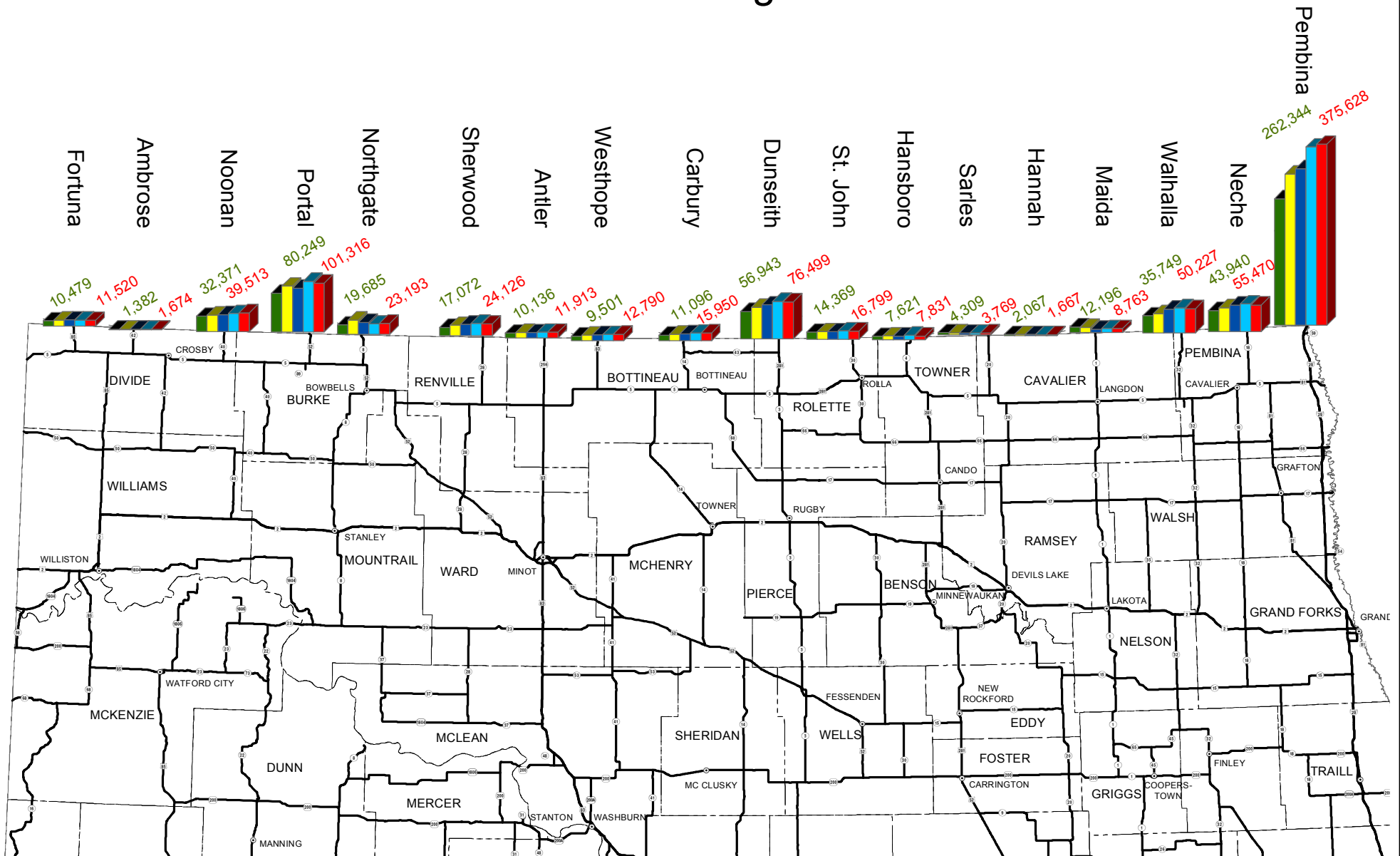


BORDER CROSSINGS
(VEHICLES ENTERING THE UNITED STATES FROM CANADA)

PORT OF ENTRY	HWY	----- AUTOMOBILES -----			----- TRUCKS -----		
		FISCAL 2012	FISCAL 2013	% CHANGE	FISCAL 2012	FISCAL 2013	% CHANGE
FORTUNA	85	12,160	11,520	-5.26%	2,367	3,636	53.61%
AMBROSE	42	1,676	1,674	-0.12%	258	168	-34.88%
NOONAN	40	37,862	39,513	4.36%	9,896	5,306	-46.38%
PORTAL	52	104,527	101,316	-3.07%	105,330	99,545	-5.49%
NORTHGATE	8	21,634	23,193	7.21%	15,794	6,340	-59.86%
SHERWOOD	28	25,494	24,126	-5.37%	10,033	6,004	-40.16%
ANTLER	256	11,844	11,913	0.58%	1,387	1,151	-17.02%
WESTHOPE	83	12,765	12,790	0.20%	5,390	4,742	-12.02%
CARBURY	14	15,540	15,950	2.64%	293	337	15.02%
DUNSEITH	281	77,396	76,499	-1.16%	26,481	25,123	-5.13%
ST. JOHN	30	17,142	16,799	-2.00%	1,088	612	-43.75%
HANSBORO	4	10,041	7,831	-22.01%	1,222	857	-29.87%
SARLES	20	3,619	3,769	4.14%	984	869	-11.69%
HANNAH	CMC 1013	1,911	1,667	-12.77%	217	179	-17.51%
MAIDA	1	8,763	8,763	0.00%	1,743	1,708	-2.01%
WALHALLA	32	52,178	50,227	-3.74%	12,179	10,714	-12.03%
NECHE	18	57,655	55,470	-3.79%	7,255	11,570	59.48%
PEMBINA	I-29	369,939	375,628	1.54%	213,410	218,493	2.38%
TOTAL		842,146	838,648	-0.42%	415,327	397,354	-4.33%

Total Auto Volume Entering from Canada

(53)



Bar Chart Years



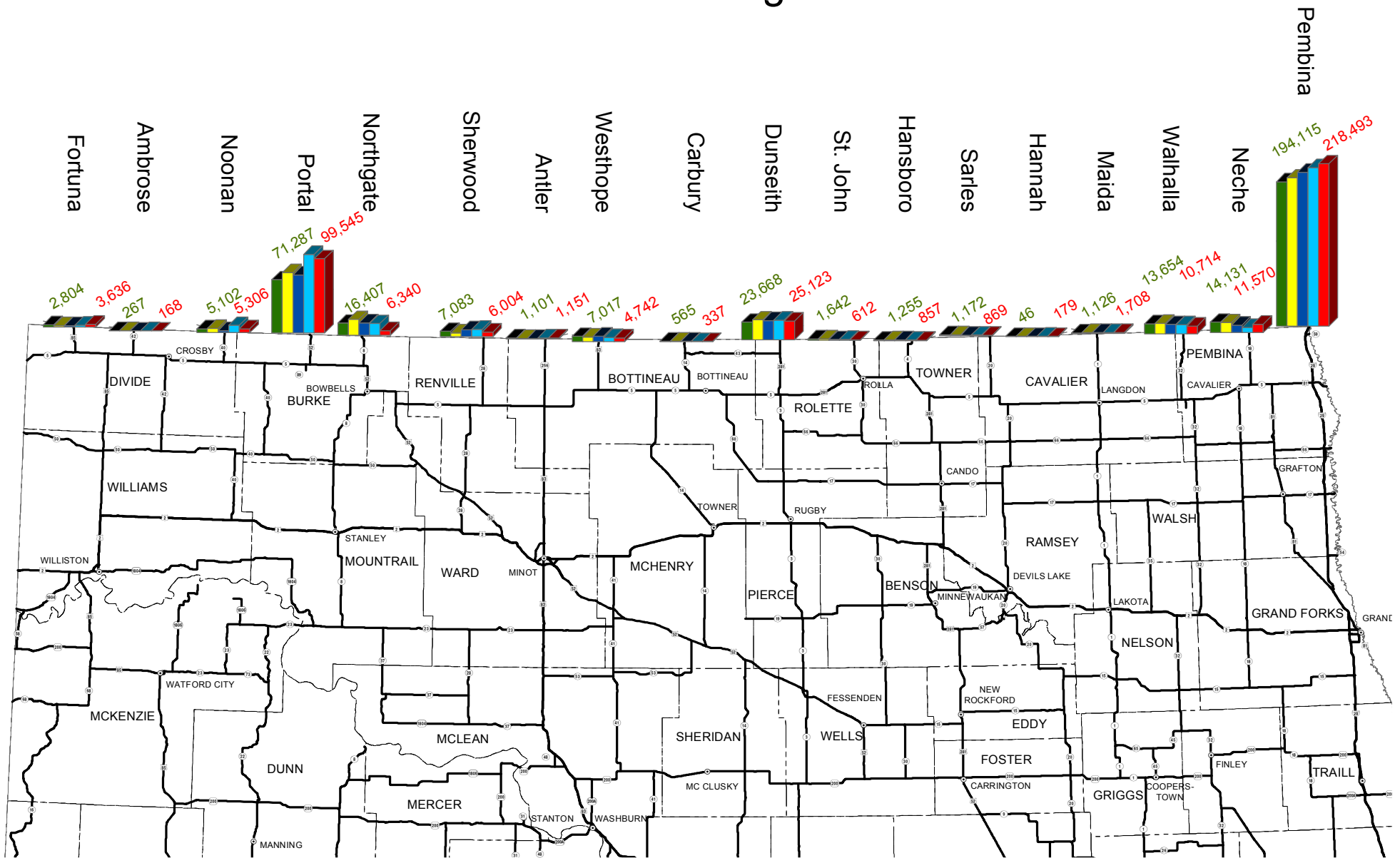
NOTE: - The size of the bar chart corresponds to total autos by border crossing.
 - The numbers given above the charts are for the years 2009 (green) and 2013 (red).
 - This border crossing data is provided by the U.S. Department of Homeland Security.
 - The reporting period was for the 2013 fiscal year which ran from Oct. 1, 2012 to Sept. 30, 2013.



Planning & Asset Management Division
 Roadway Data
 December 2013

Total Truck Volume Entering from Canada

(54)



Bar Chart Years



NOTE: - The size of the bar chart corresponds to total trucks by border crossing.
 - The numbers given above the charts are for the years 2009 (green) and 2013 (red).
 - This border crossing data is provided by the U.S. Department of Homeland Security.
 - The reporting period was for the 2013 fiscal year which ran from Oct. 1, 2012 to Sept. 30, 2013.



Planning & Asset Management Division
 Roadway Data
 December 2013