

NORTH DAKOTA 2011 TRAFFIC REPORT



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

March 2012

NORTH DAKOTA 2011 TRAFFIC REPORT

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

**DIRECTOR
Francis G. Ziegler, P. E.**

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

March 2012

CONTENTS

	<u>Page</u>
Overview.....	1
History of Traffic and Related Data.....	2
Graph of Traffic and Related Data.....	4
Thirteen Major City Coverage Counts.....	6
ATR Location and Description.....	7
Maps:	
State Traffic Counting Regions 2011 to 2013.....	5
ATR Stations Map.....	9
WIM Stations Map.....	10
National Highway System.....	11
Traffic Flow Map - Traffic Data 2011.....	12
AADT Map.....	13
Truck AADT Map.....	14
Equivalent Single Axle Loads Map.....	15
Potato Production by County.....	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.....	21
Daily.....	27
Monthly.....	28
Seasonal.....	30
Truck Traffic Variations:	
Daily.....	31
Monthly.....	32
Seasonal.....	33
Peak Hour, Design Hour and Directional Distribution at ATR Stations.....	34

Vehicle Miles Estimates:

Miles Traveled Versus Miles of Road Served.....	38
Summary of Existing Mileage for Rural and Urban Roads...	40
Annual VMT for the 13 Major Cities.....	41
Rural Annual VMT by Functional Class	42
Annual Vehicle Miles Travel by County.....	43
2011 Rural Annual VMT Map	44
2011 Total Annual VMT Map	45
Daily Truck VMT for Statewide.....	46
Daily Truck VMT for Interstate.....	48
Border Crossings Summary.....	50
Total Auto Volume Entering from Canada Map.....	51
Total Truck Volume Entering from Canada Map.....	52

OVERVIEW

This report contains summaries of data obtained from studies conducted in 2011 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 7 and 8. The counter locations are shown on the map on page 9.
2. Short-term (48-hour) traffic counts obtained with portable equipment. Short-term counts were obtained at approximately 2700 locations on various highways, roads, and streets over the western one-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#>

Then 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

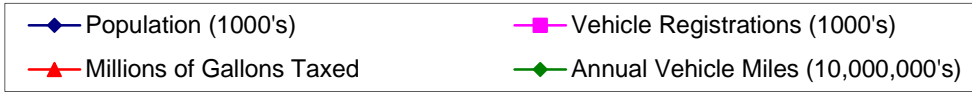
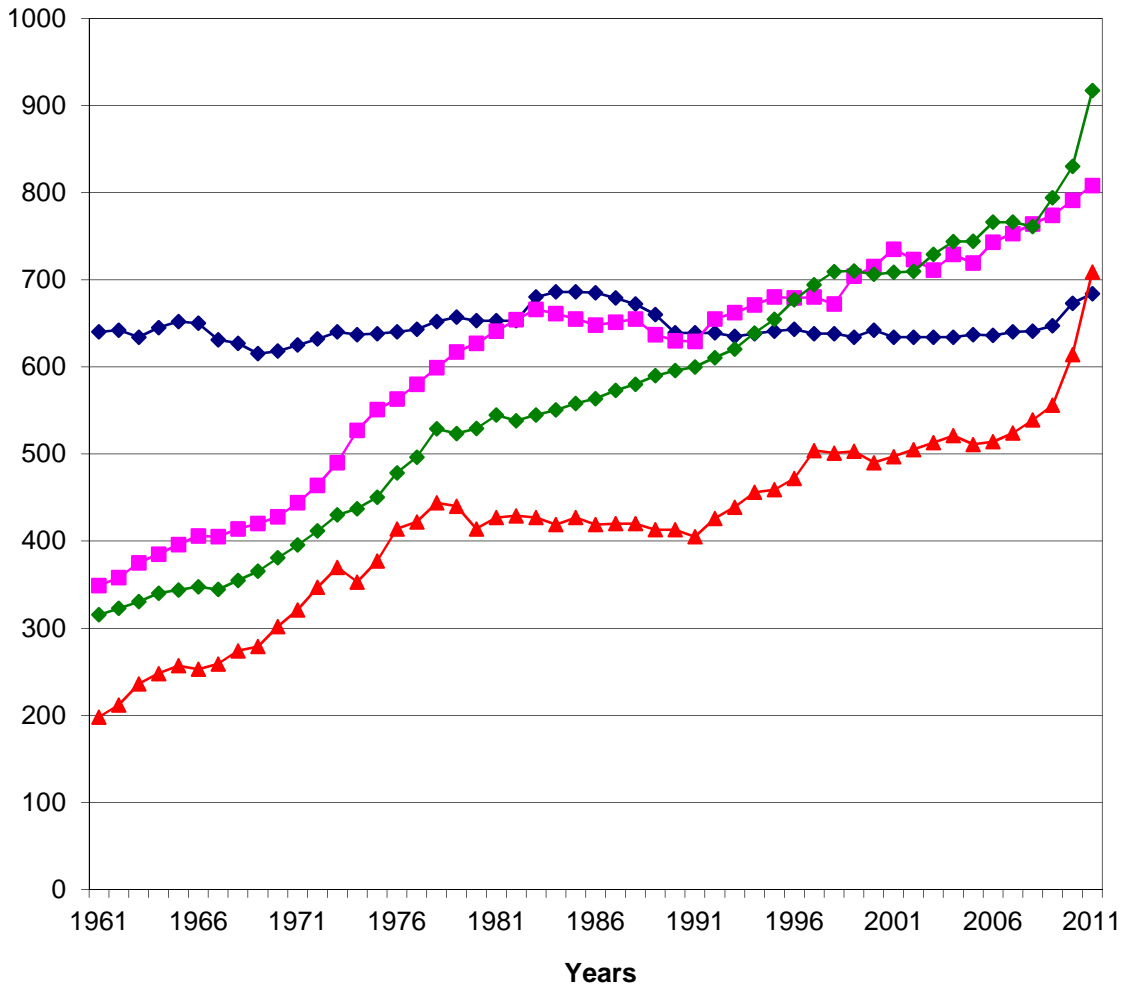
YEAR	POPULATION (1000'S)	VEHICLE REGISTRATIONS (REG.) (1000'S)	PERSONS PER VEHICLE REG.	GALLONS OF GAS AND FUEL TAXED (MILLIONS)	VEHICLE REG. PER 100 PERSONS	ANNUAL MILES PER VEHICLE	ANNUAL MILES TRAVELED PER CAPITA	ANNUAL VEHICLE MILES (MILLIONS)
1984	686	661	1.04	419	96.40	8,327	8,023	5,504
1985	686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

FUEL TAXED INCLUDES GALLONS OF GAS FOR OTHER THAN MOTOR VEHICLES

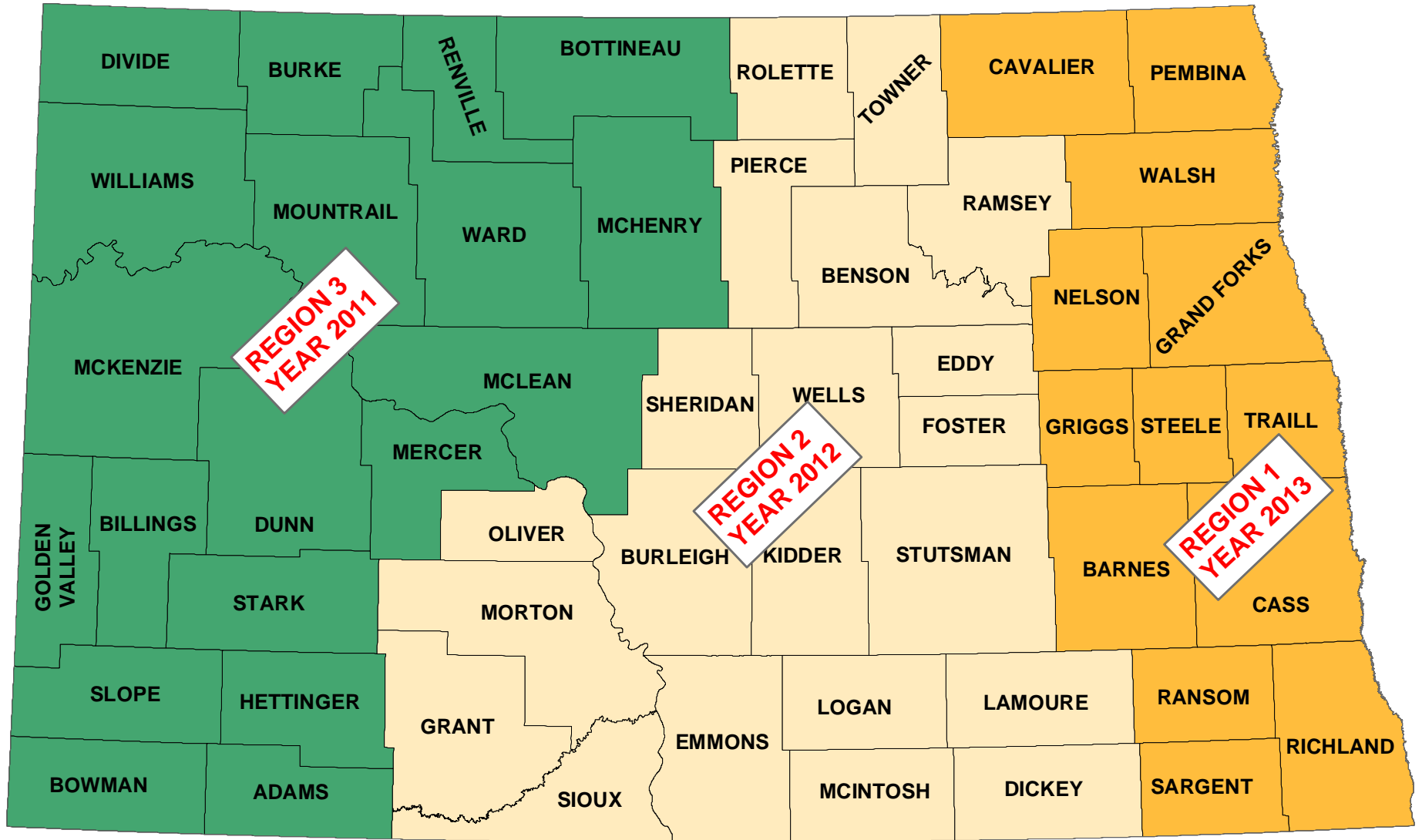
The number of vehicle registrations in a given year will exceed the total number of vehicles in the state because a vehicle may be registered more than once if there was a change in ownership.

Traffic and Related Trends

For the Years 1961 - 2011



North Dakota Department of Transportation Traffic Counting Cycle



**REGION 3
YEAR 2011**

**REGION 2
YEAR 2012**

**REGION 1
YEAR 2013**

(9)

Planning & Asset Management Division
Traffic Data Section
City Traffic Counts

CITY	YEAR COUNTED	YEAR TO COUNT
Fargo	2010	2013
West Fargo	2010	2013
Wahpeton	2010	2013
Valley City	2010	2013
Grand Forks	2010	2013
Grafton	2010	2013
Minot	2011	2012
Dickinson	2011	2012
Williston	2011	2012
Bismarck	2009	2012
Mandan	2009	2012
Devils Lake	2008	2012
Jamestown	2010	2012

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

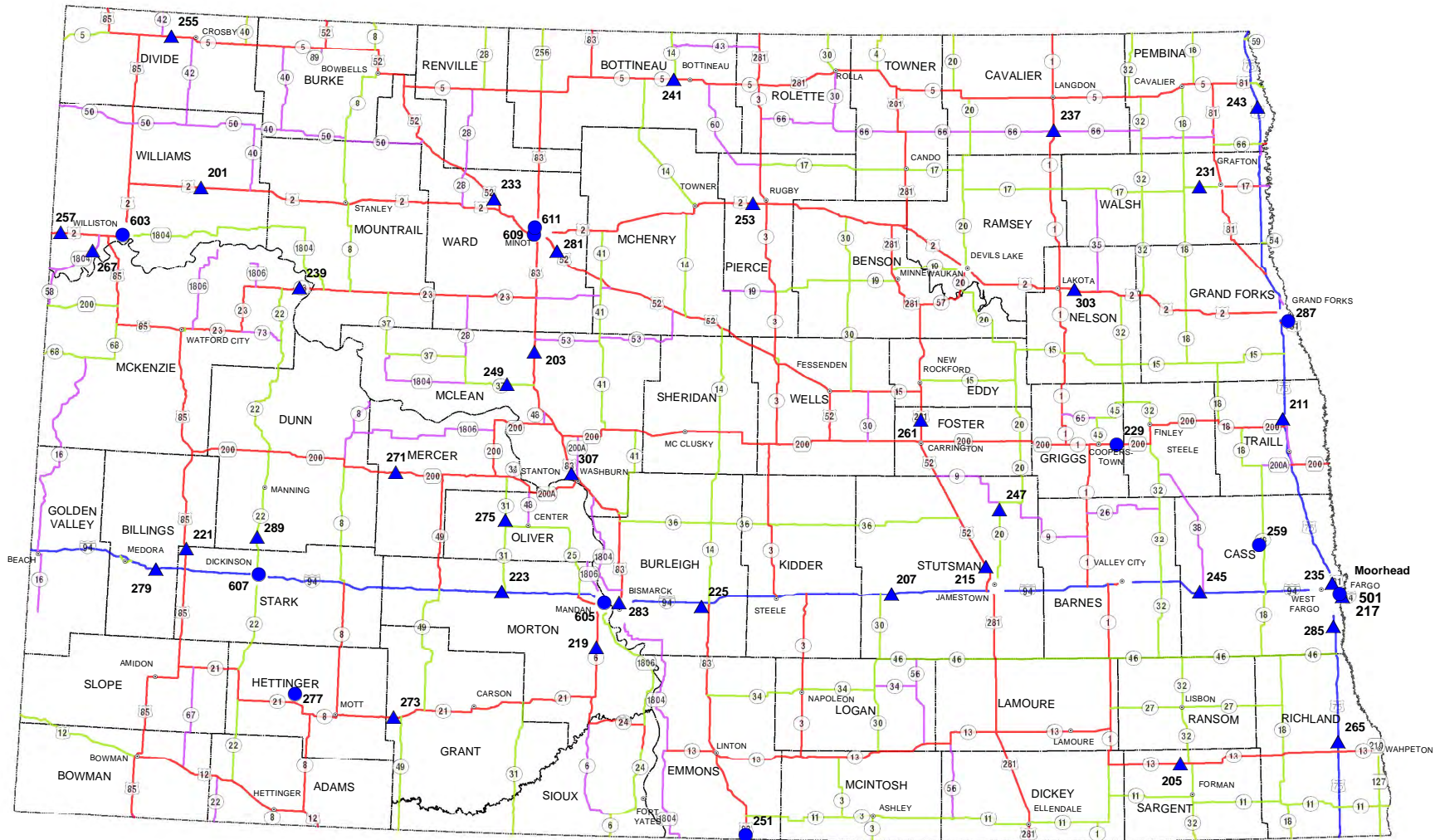
WIM locations are highlighted yellow

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	0.3870	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	Volume	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
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
RURAL MINOR ARTERIAL						
231	GRAFTON	17	122.000	0.1293	Class	5.5 MILES WEST OF GRAFTON
247	COURTENAY	20	20.000	0.4196	Class	1.8 MILES SOUTH OF ND 9
249	GARRISON	37	54.000	0.9548	Class	1.0 MILES WEST OF GARRISON
275	HANNOVER	31	97.000	0.0758	Class	1.2 MILES NORTH OF HANNOVER
289	MANNING	22	81.000	0.5055	Class	SOUTH OF MANNING

**NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
ATR LOCATIONS**

STATION	NAME	HIGHWAY	REF POINT	OFF SET	TYPE	LOCATION
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.
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

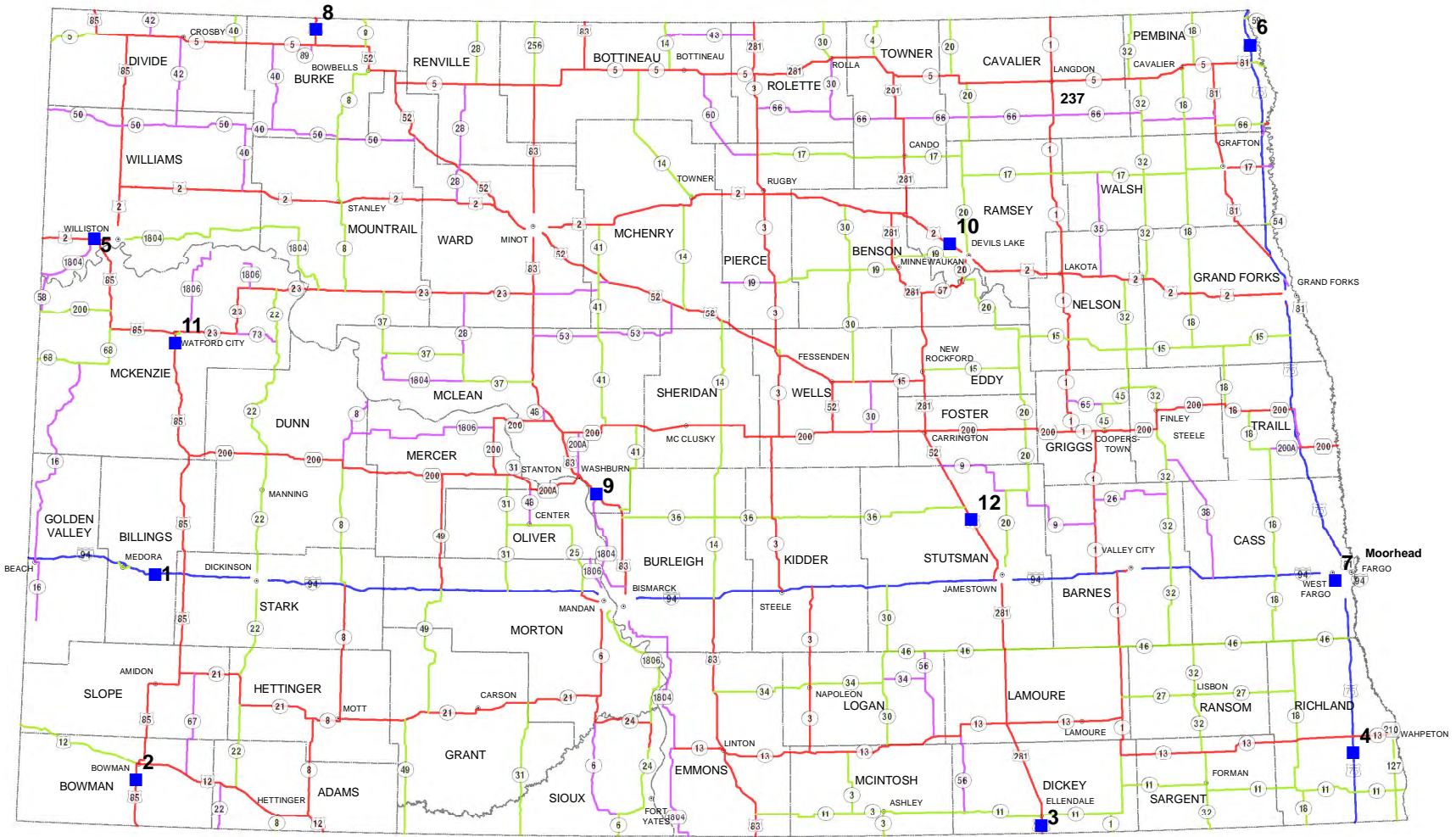


(6)

Station Type	Functional Class	Number of ATR Stations
▲ Class	Blue Interstate Rural	8 Rural Interstate
● Volume	Red Principal Arterial Rural	21 Rural Principal Arterial
	Green Minor Arterial Rural	5 Rural Minor Arterial
	Purple Major Collector	4 Rural Major Collector
		3 Urban Interstate
		4 Urban Principal Arterial
		2 Urban Minor Arterial
		1 Urban Collector

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 Traffic Data Section
 December 2011

Weigh - In - Motion Locations



(10)

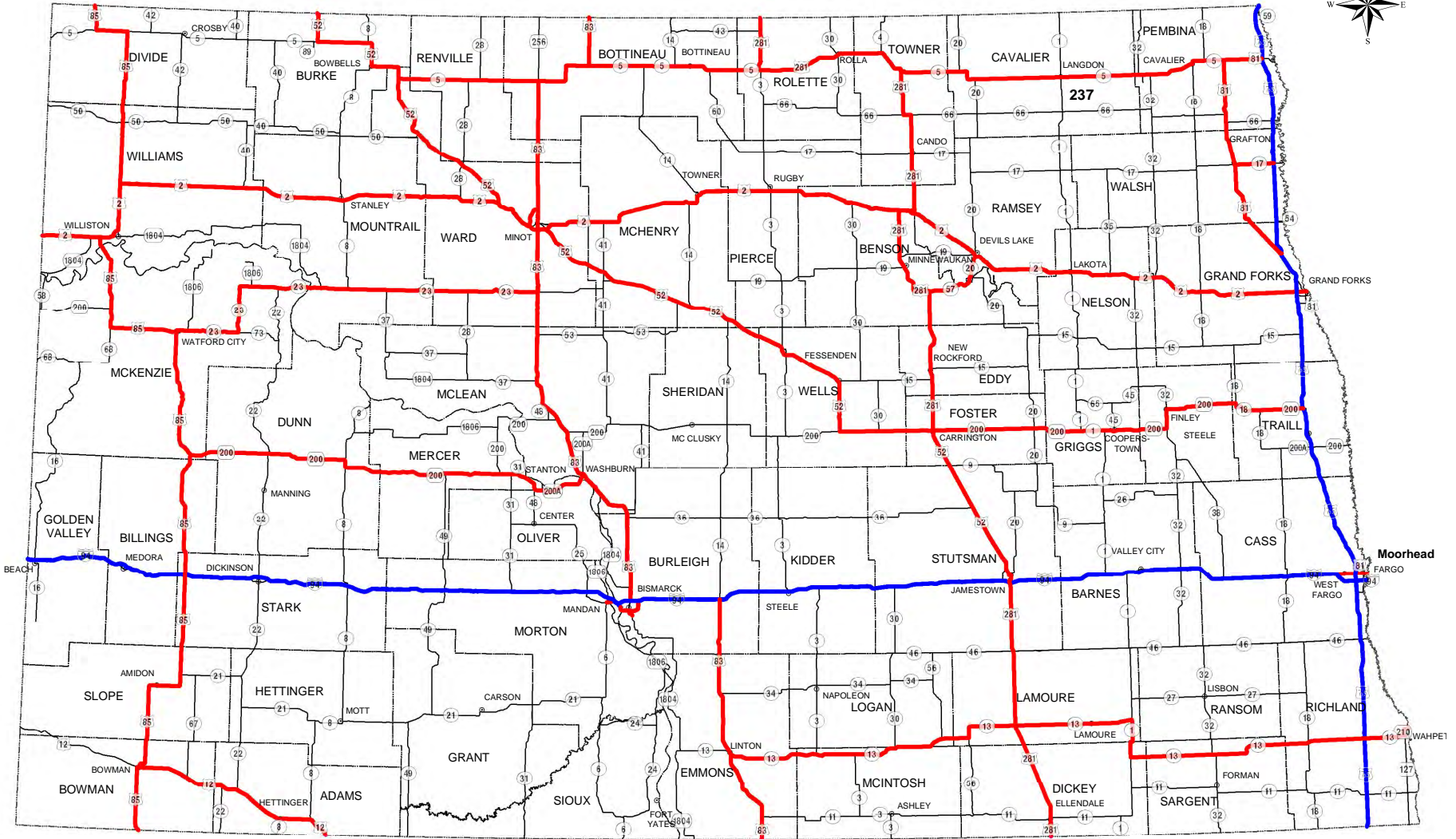
■ WIM Sites

- | | | |
|---------------|----------------|-------------------|
| 1 - Belfield | 5 - Williston | 9 - Washburn |
| 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 2011

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National Highway System Mileage



(11)

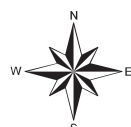
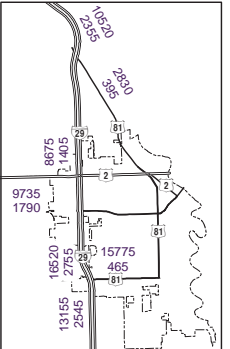
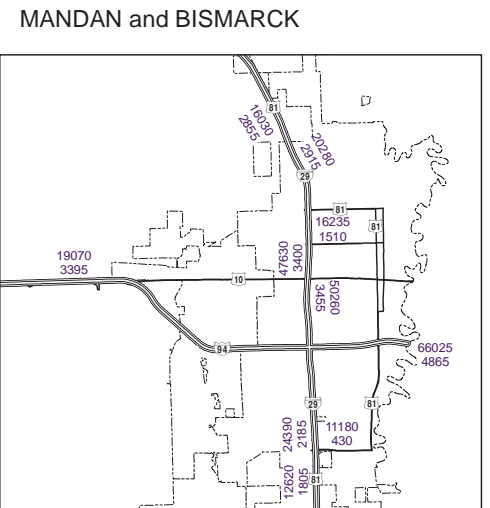
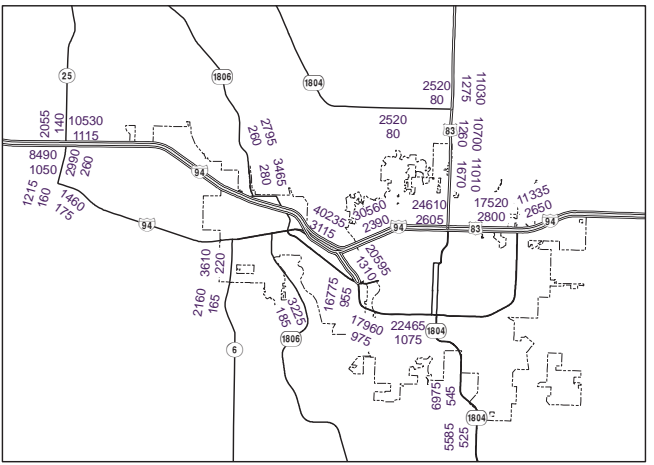
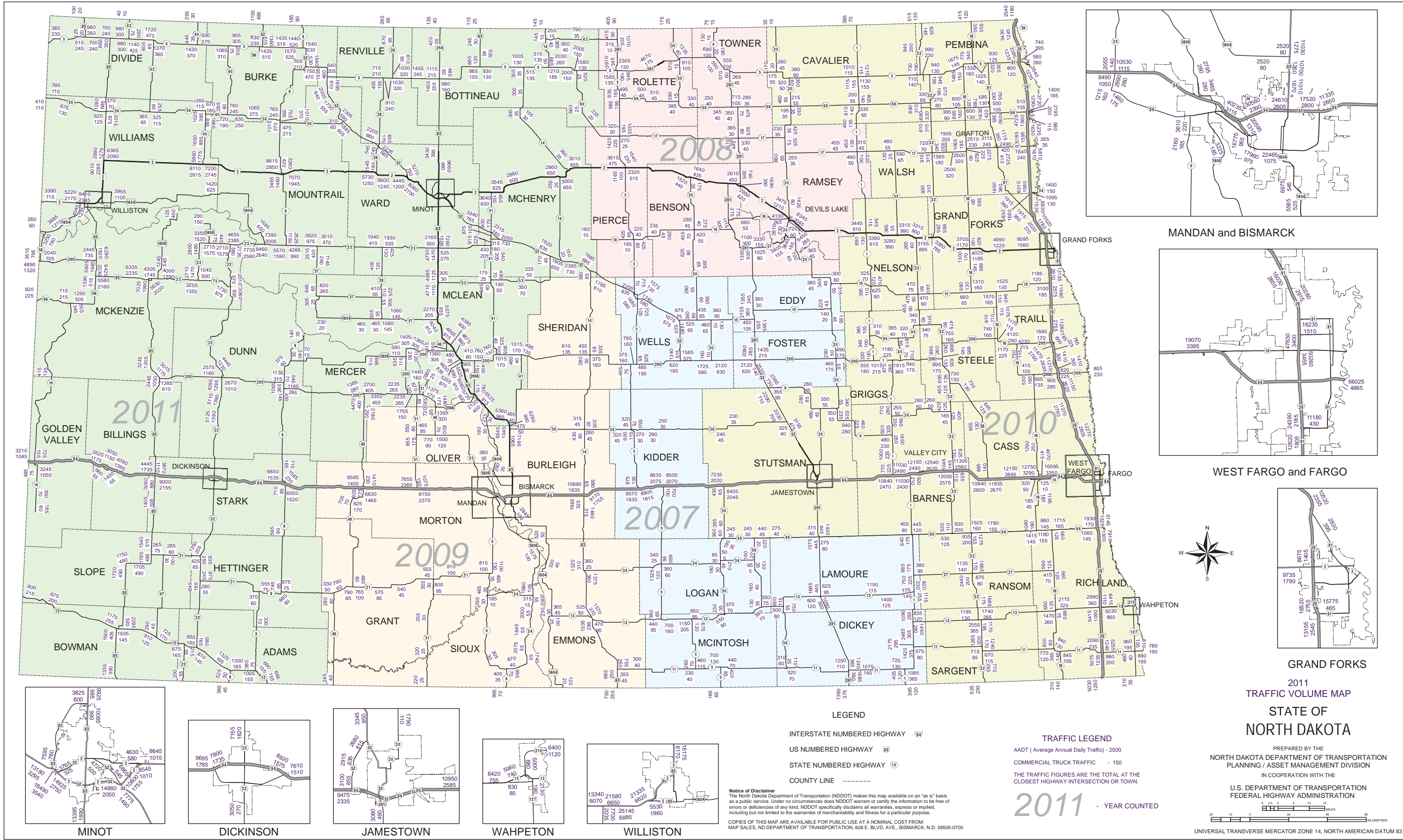
NHS Mileage

	Interstate Rural	519.3
	Interstate Urban	51.7
	Total	571.0
	Principal Arterial Rural	2085.2
	Principal Arterial Urban	65.9
	Total	2151.1
	Total NHS	2722.1

NOTES: Data from Functional Class on Mainframe

Planning & Asset Management Division
Traffic Data Section
December 2011

File pathway: F:\Planning\Arcview\robshj\ArcMap projects\NHS Mileage.mxd



**2011
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

LEGEND

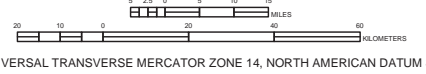
- INTERSTATE NUMBERED HIGHWAY
- US NUMBERED HIGHWAY
- STATE NUMBERED HIGHWAY
- COUNTY LINE

TRAFFIC LEGEND

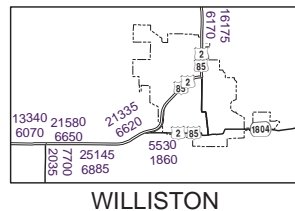
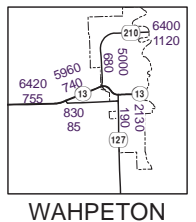
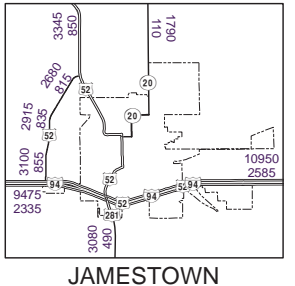
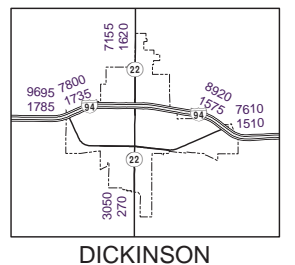
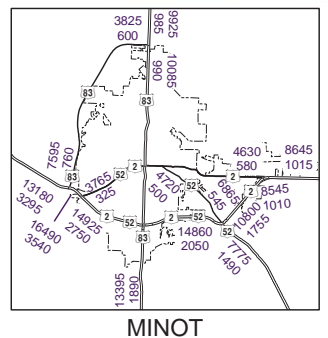
- AADT (Average Annual Daily Traffic) - 2500
- COMMERCIAL TRUCK TRAFFIC - 150
- THE TRAFFIC FIGURES ARE THE TOTAL AT THE CLOSEST HIGHWAY INTERSECTION OR TOWN.

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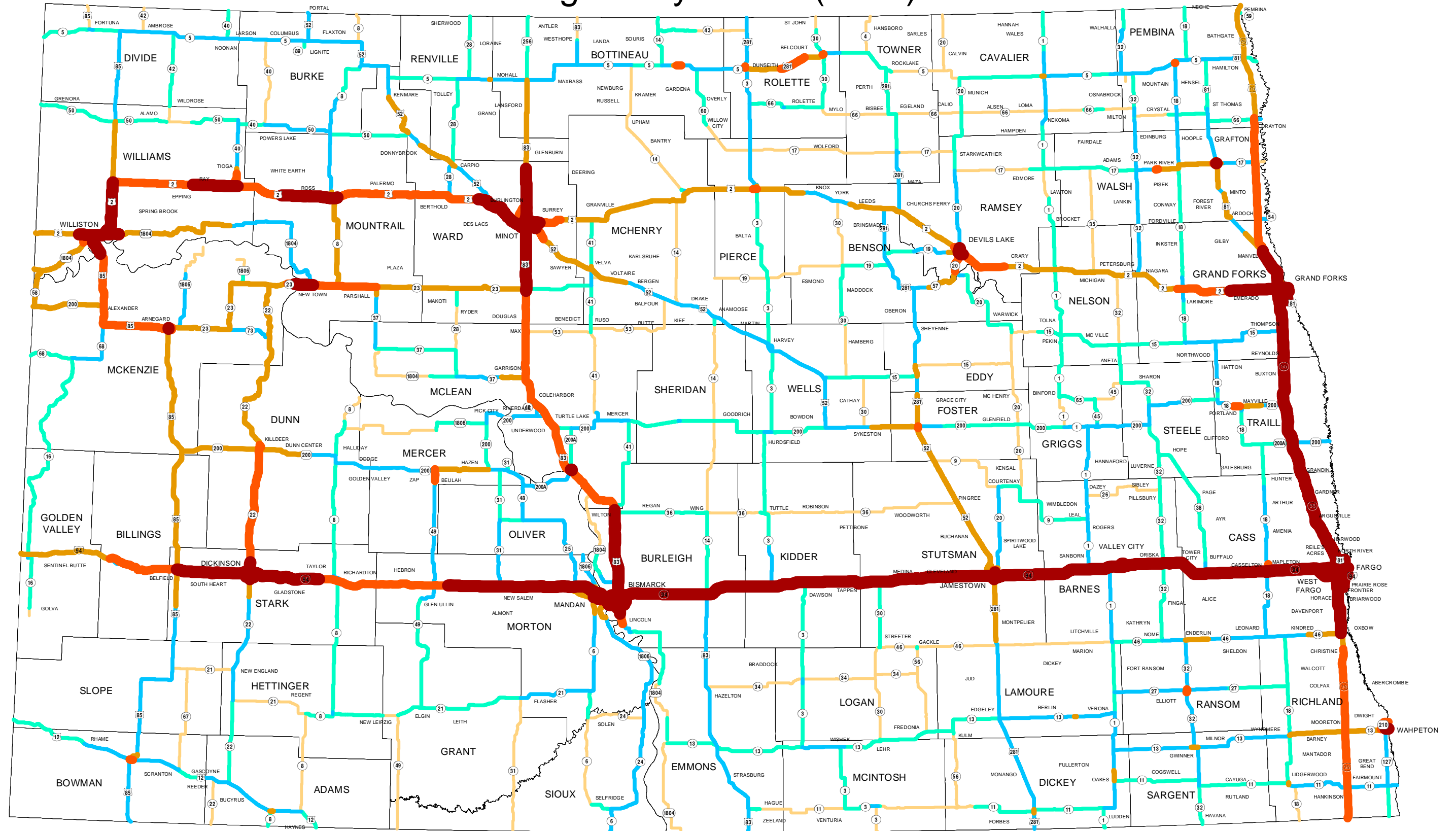
2011 - YEAR COUNTED



UNIVERSAL TRANSVERSE MERCATOR ZONE 14, NORTH AMERICAN DATUM 83



Annual Average Daily Traffic (2011)

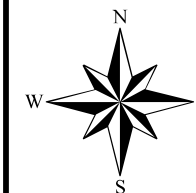


Notes: - Data from 2011 highway components segments.
 - The AADT for longer sections are an average of the traffic segments.
 - Data for the four lane roadways are AADT for both directions (either north and south or east and west).

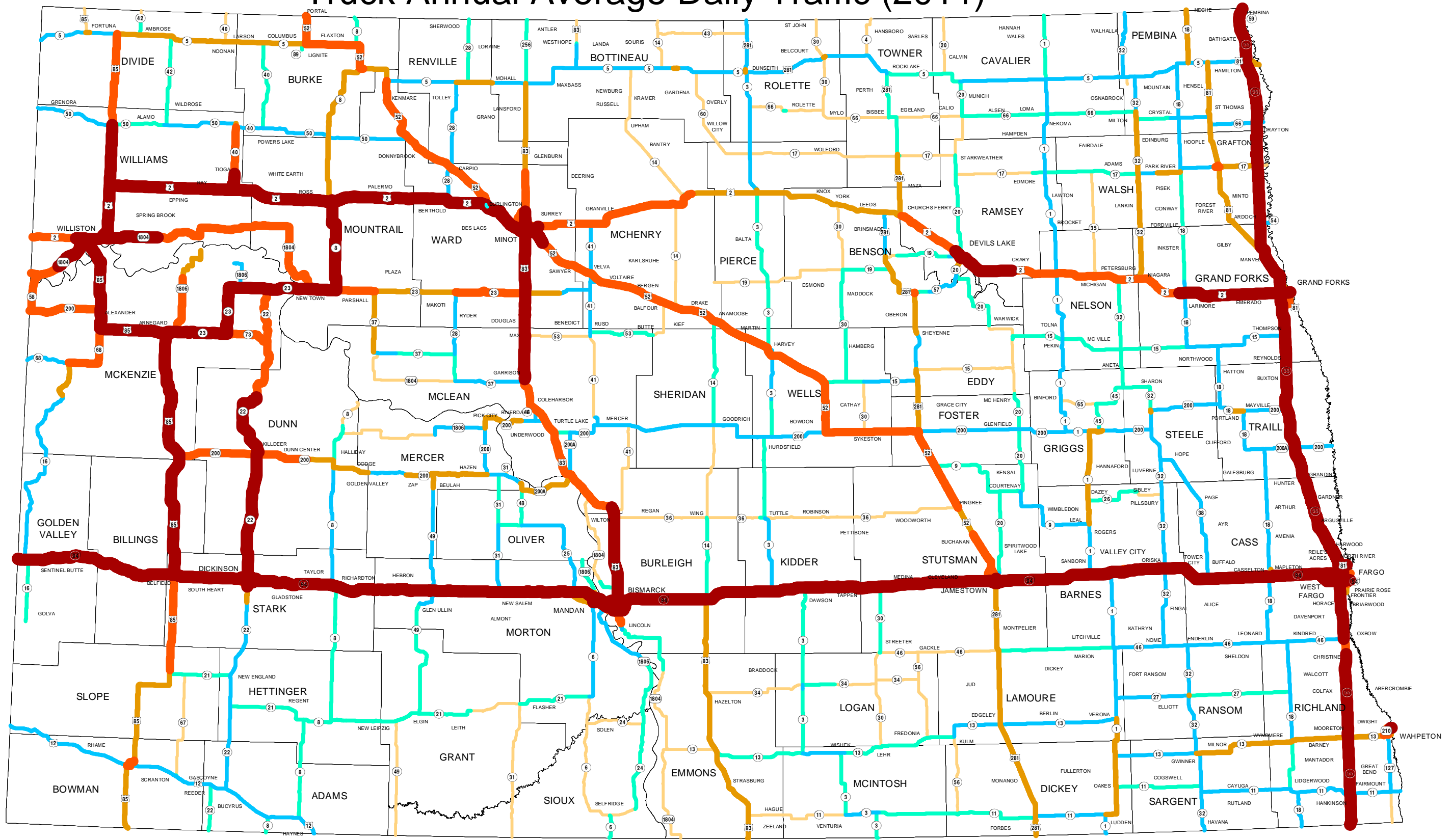
Annual Average Daily Traffic



Planning & Asset Management Division
 Traffic Data
 December 2011

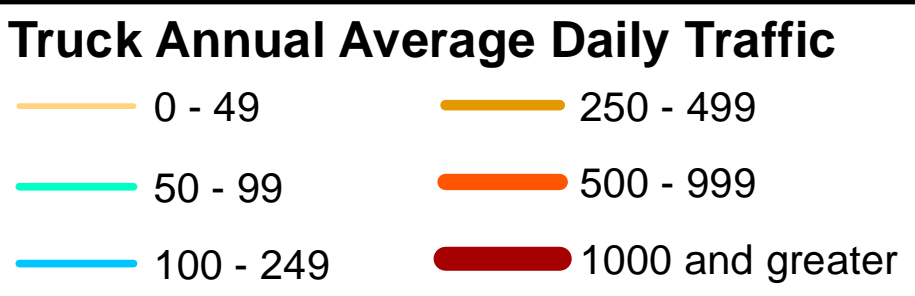


Truck Annual Average Daily Traffic (2011)



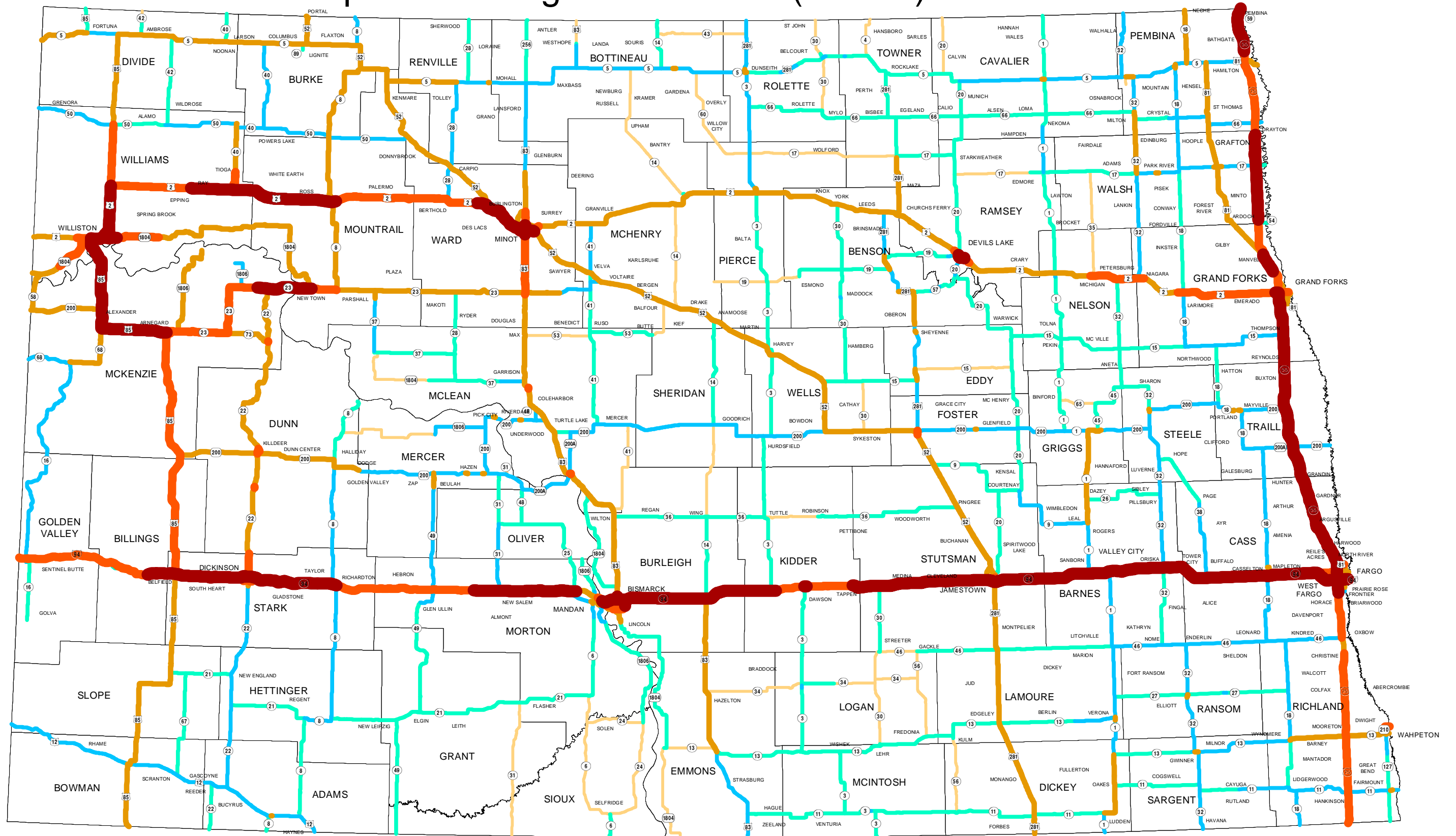
(14)

Notes: - Data from 2011 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).



Planning & Asset Management Division
 Traffic Data
 December 2011

Equivalent Single Axle Loads (ESALs)

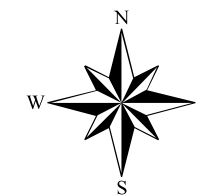


(15)

Notes:

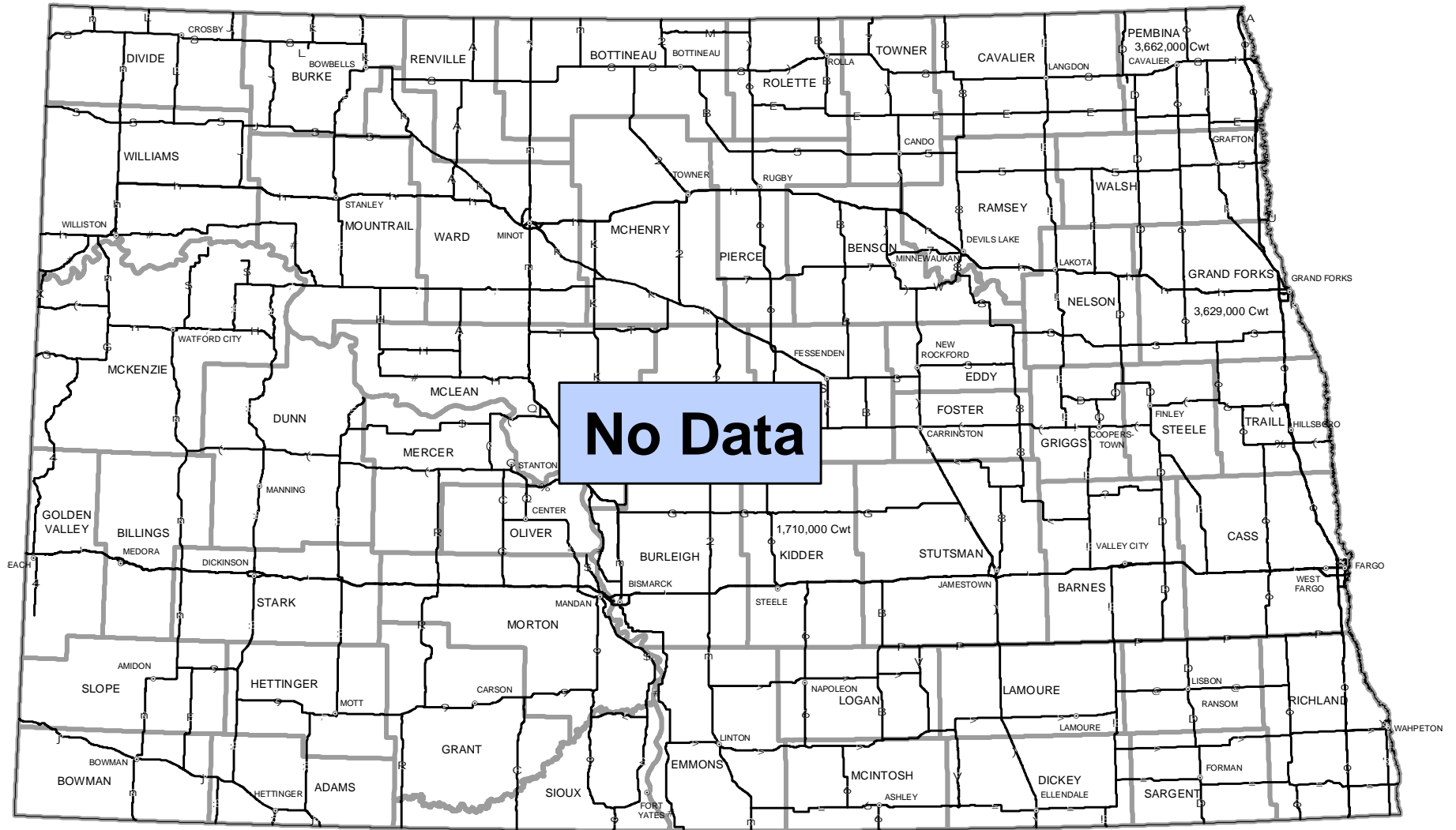
- Data from 2011 highway components segments.
- The ESALs for longer sections are an average of the traffic segments.
- Rigid ESALs for I-29 and I-94
- Flexible ESALs for all other roads
- Data for the four lane roadways are combined ESALs for both

ESALs



Planning & Asset Management Division
Traffic Data
December 2011

Potato Production



(16)

This year USDA withheld county potato production figures to avoid disclosing data for individual operations.

Statewide figures were available.

Here is a comparison of total North Dakota potato production for 2010 and 2011.

2010 total was 22,000 thousand hundredweight

2011 total was 18,865 thousand hundredweight

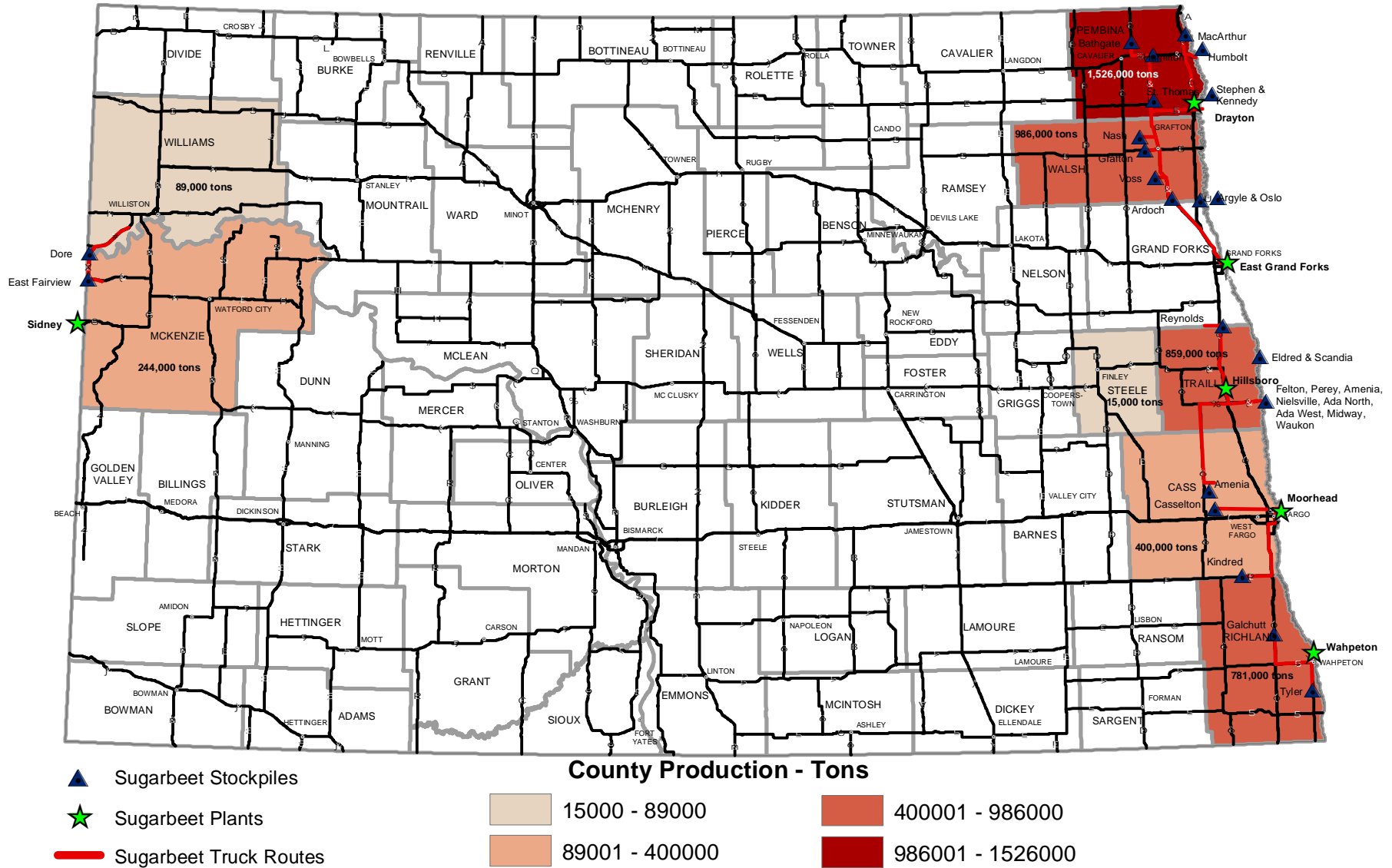
Planning & Asset Management Division
 Transportation Data
 December 2011



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 2010 production year because 2011 totals are not yet available.
 The shaded counties were the only counties for which data was available.
 Total production for the state of North Dakota was 5,671,000 tons.



Planning & Asset Management Division
 Transportation Data
 December 2011

PERMANENT STATION COMPARISON OF AADT BY YEAR

STATION NUMBER	LOCATION	1991	1993	1995	1997	1999	2001	2003	2005	2007	2008	2009	2010	2011	% CHANGE 2011/2010	% CHANGE 2011/2001	% CHANGE 2011/1991
URBAN INTERSTATE 94																	
217	FARGO (U)				48388	50450	51514	56852	61012	63051	63417	64436	64983	66026	1.6%	28.2%	--
283	BISMARCK (U)	12660	14222		15656	17704	18584	17590	20144	24770	22085	23589	23727	24611	3.7%	32.4%	94.4%
	MEAN	12660	14222		32022	34077	35049	37221	40578	43911	42751	44013	44355	45319	2.7%	30.3%	94.4%
RURAL INTERSTATE 94																	
207	MEDINA	4620	5046	4608	5884	6326	6644	7210	6778	6941	6595	7048	7478	8512	13.8%	28.1%	84.2%
223	NEW SALEM	4460	4850	5210	5294			5950	6034	6252	6195	6595	7000	7655	9.4%	--	71.6%
245	TOWER CITY	6258	6918	7304	7446		8030	8974	9146	9440	9340	9948	10464	10940	4.5%	36.2%	74.8%
279	PAINTED CANYON	2904	3064	3290	3268	3404	3656	3688	3608	4086	3554	3654	3893	4395	12.9%	20.2%	51.3%
	MEAN	4561	4970	5103	5473	4865	6110	6456	6392	6680	6421	6811	7209	7876	10.2%	28.2%	70.5%
URBAN INTERSTATE 29																	
235	FARGO (U)				25214			24536	25772	26642	27503	31746	35153	31347	-10.8%	--	--
	MEAN				25214			24536	25772	26642	27503	31746	35153	31347	-10.8%	--	--
RURAL INTERSTATE 29																	
211	BUXTON	8330	9018	9476			9374	10198	10426	10951	10630	10980	11278	11280	0.0%	20.3%	35.4%
243	BOWESMONT	2536	2562	2470	2686	2920	2974	2896	3074	3662	3559	3442	3626	3582	-1.2%	20.4%	41.2%
265	MOORETON	3338	3648	4180	4992	5390	5078	5636	5962	6059	5823	6078	6385	6414	0.5%	26.3%	92.2%
285	DAVENPORT							9670	10254	10221	9777	10447	10901	10778	-1.1%	--	--
301	HICKSON				7468										--	--	--
	MEAN	4735	5076	5375	5049	4155	5809	7100	7429	7723	7447	7737	8048	8014	-0.5%	22.4%	56.3%
RURAL PRINCIPAL ARTERIAL																	
201	RAY	1504	1562	1604	1552	1580	1660	1656	1748	2115	2678	2963	4367	7236	65.7%	335.9%	381.1%
203	MAX	2728	2744	3040	3192	3460	3420	3562	3530	3653	3702	4107	5003	5200	3.9%	52.0%	90.6%
205	GWINNER	880	922	1002	1038	1108	1076	1124	1266	1200	1109	1066	1216	1193	-1.9%	10.9%	35.6%
209	MINOT	9530	9618	9990	9394										--	--	--
213	LAKOTA	2606	2832	3050	3106										--	--	--
215	JAMESTOWN	2352	2444	2612	2820		2694	2778	2702	2859	2845	2992	3170	3346	5.6%	24.2%	42.3%
219	MANDAN	1218	1260	1344	1350	1534	1460	1498	1490	1488	1471	1546	1615	1565	-3.1%	7.2%	28.5%
221	FAIRFIELD	1500	1374	1406	1416	1354	1420	1418	1468	1754	1808	1820	2120	3604	70.0%	153.8%	140.3%
227	VERONA	704	734	776											--	--	--
229	COOPERSTOWN	732	856	832	912			902	846	819	845	924	927	902	-2.7%	--	23.2%
233	FOXHOLM	1982	2078	1952	1962	1922	1878	1914	1888	2100	2177	2158	2491	2698	8.3%	43.7%	36.1%
237	NEKOMA	638	662	670	682			780	714	886	785	781	814	777	-4.5%	--	21.8%
239	NEW TOWN	1064	1230	1346	1400	1480	1588	1630	1618	1726	2357	2680	3703	5820	57.2%	266.5%	447.0%
241	BOTTINEAU	996	1012	1010	986	1038	906	1000	978	1007	1050	1145	1239	1159	-6.5%	27.9%	16.4%
251	HAGUE	532	646	614	628	656	734	734	704	729	746	782	867	747	-13.8%	1.8%	40.4%
253	RUGBY				2594			2600	2556	2510	2730	2666	2775	2922	5.3%	--	--
255	CROSBY	538	574	564	536		528	558	540	581	598	632	842	1212	43.9%	129.5%	125.3%
257	WILLISTON	992	1082	1088	1206			1192	1204	1265	1251	1206	1620	2586	59.6%	--	160.7%
261	CARRINGTON											1661	1736	1735	-0.1%	--	--
271	GOLDEN VALLEY	612	630	698	682			660	690	713	698	784	840	1286	53.1%	--	110.1%
273	NEW LEIPZIG	372	356	372	374		382	366	352	335	314	346	364	360	-1.1%	-5.8%	-3.2%
281	SAWYER						3566	3754	3890	4004	3883	4112	4563	4825	5.7%	35.3%	--
303	MICHIGAN				3504	3634	3476	3522	3436	3384	3303	3612	3803	4027	5.9%	15.9%	--
307	WASHBURN				3590		3790	3912	4016	4363	4437	5146	5189	5767	11.1%	52.2%	--
	MEAN	1657	1717	1788	2044	1777	1905	1778	1782	1875	1939	2054	2346	2808	17.2%	76.7%	106.0%
RURAL MINOR ARTERIAL																	
231	GRAFTON	2298	2430	2338	2472		2550	2654	2670	2469	2623	2541	2594	2507	-3.4%	-1.7%	9.1%
247	COURTENAY	434	498	490	444		502	476	470	456	442	463	464	485	4.5%	-3.4%	11.8%
249	GARRISON	922	1010	1016		1180	1180	1208	1168	1177	1184	1254	1359	1473	8.4%	24.8%	59.8%
275	HANNOVER	438	482	482	498	568	526	504	502	530	500	603	602	604	0.3%	14.8%	37.9%
289	MANNING							1632	1604	1901	2341	2591	3675	4178	13.7%	--	--
	MEAN	1023	1105	1082	1138	874	1190	1295	1283	1307	1418	1490	1739	1849	4.7%	8.6%	29.6%

PERMANENT STATION COMPARISON OF AADT BY YEAR

STATION NUMBER	LOCATION	1991	1993	1995	1997	1999	2001	2003	2005	2007	2008	2009	2010	2011	% CHANGE 2011/2010	% CHANGE 2011/2001	% CHANGE 2011/1991
RURAL MAJOR COLLECTOR - STATE																	
267	TRENTON											2530	3231	4526	40.1%	--	--
	MEAN											2530	3231	4526	40.1%	--	--
RURAL MAJOR COLLECTOR - COUNTY																	
225	STERLING	534	540	594	554			520	484	558	560	582	645	587	-9.0%	--	9.9%
259	AYR	300	356	292	258	324	364	372	360	350	360	363	372	343	-7.8%	-5.8%	14.3%
263	METIGOSHE	724	760	806	450										--	--	--
277	REGENT	174	288	294	284	288	318	294	298	309	320	317	358	325	-9.2%	2.2%	86.8%
	MEAN	433	486	497	387	306	341	395	381	406	413	421	458	418	-8.7%	-1.8%	37.0%
URBAN PRINCIPAL ARTERIAL																	
287	GRAND FORKS							19270	19248	19947	18974	19719	20520	20413	-0.5%	--	--
501	FARGO (U)	22452	22674	22946	26122	23578	25762	25892	26264	24533	24606	25283	24868	24421	-1.8%	-5.2%	8.8%
601	BISMARCK (U)					13037	12475	11855	11828	12174	11991	11605			--	--	--
603	WILLISTON (U)					4024	4042	4160	4316	4623	4801	5108	6510	9070	39.3%	124.4%	--
605	MANDAN (U)							20152	20240	20530	19582	19813	20270	19749	-2.6%	--	--
	MEAN	22452	22674	22946	26122	13546	14093	16266	16379	16361	15991	16306	18042	18413	8.6%	59.6%	8.8%
URBAN MINOR ARTERIAL																	
607	DICKINSON (U)					3160	3152	3034	3090	2967	2855	2925	3033	3142	3.6%	-0.3%	--
611	MINOT (U)					2994	2974	2638	2626	2340	2618	2736	2894	3426	18.4%	15.2%	--
	MEAN					3077	3063	2836	2858	2654	2737	2831	2964	3284	11.0%	7.4%	--
URBAN COLLECTOR & LOCAL URBAN																	
609	MINOT (U)					1912	2068	2342	2328	2191	2255	2358	2374	2782	17.2%	34.5%	--
	MEAN					1912	2068	2342	2328	2191	2255	2358	2374	2782	17.2%	34.5%	--

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

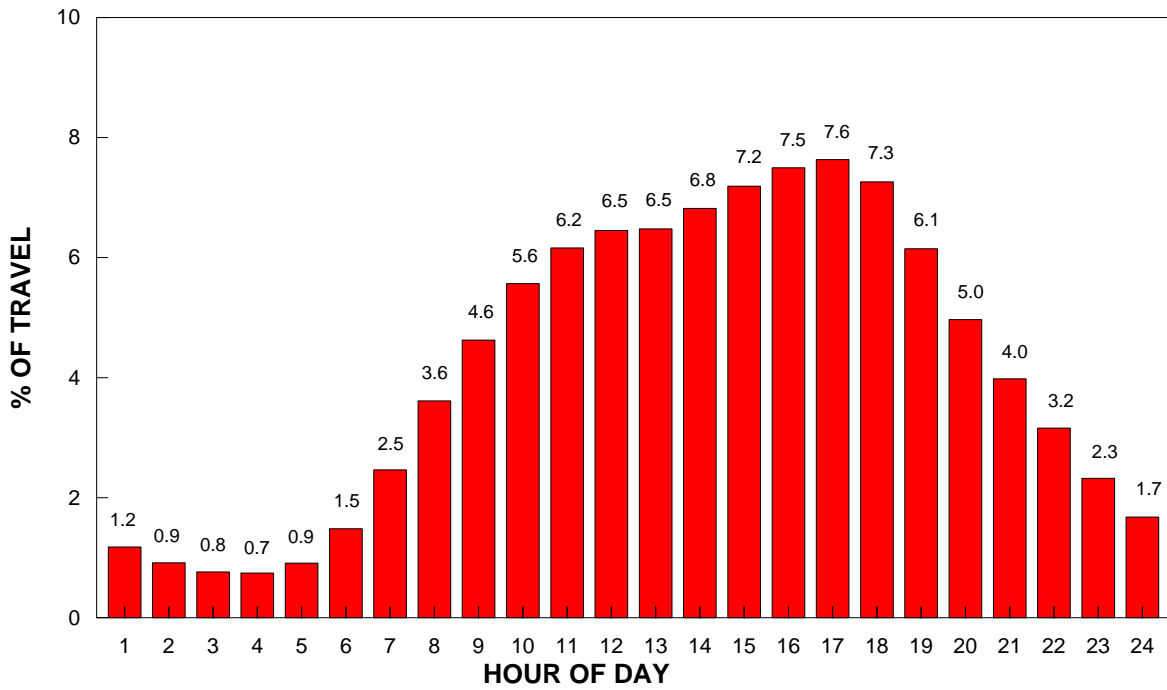
PERMANENT STATION COMPARISON OF TRUCK AADT BY YEAR

STATION NUMBER	LOCATION	1991	1993	1995	1997	1999	2001	2003	2005	2007	2008	2009	2010	2011	% CHANGE 2011/2010	% CHANGE 2011/2001	% CHANGE 2011/1991
URBAN INTERSTATE																	
217	FARGO (U)					3796	4140	4436	4988	4774	4930	4625	4612	4907	6.4%	18.5%	--
235	FARGO (U)							2614	2720	2960	2980	2994	3344	3467	3.7%	--	--
283	BISMARCK (U)					1812	1708	1878	2162	2663	2151	2006	2039	2297	12.7%	34.5%	--
	MEAN					2804	2924	2976	3290	3466	3354	3208	3332	3557	7.6%	26.5%	--
RURAL INTERSTATE																	
207	MEDINA					1448	1586	1578	1646	1756	1711	1674	1809	2052	13.4%	29.4%	--
211	BUXTON						2136	2374	2516	2832	2790	2378	2561	2755	7.6%	29.0%	--
223	NEW SALEM							1162	1290	1462	1467	1439	1450	1728	19.2%	--	--
243	BOWESMONT					1044	1164	1176	1156	1411	1358	1170	1109	1288	16.1%	10.7%	--
245	TOWER CITY							1796	1974	2156	2203	2144	2334	2549	9.2%	--	--
265	MOORETON					836	716	854	976	1061	1076	1027	1072	1112	3.7%	55.3%	--
279	PAINTED CANYON					654	1006	1040	1036	1405	1166	1097	1155	1351	17.0%	34.3%	--
285	DAVENPORT							1136	1252	1313	1293	1243	1341	1357	1.2%	--	--
	MEAN					996	1322	1390	1481	1675	1633	1522	1604	1774	10.9%	31.7%	--
RURAL PRINCIPAL ARTERIAL																	
201	RAY					260	286	256	310	466	669	783	1332	2698	102.6%	843.4%	--
203	MAX					492	548	558	512	559	568	691	771	925	20.0%	68.8%	--
205	GWINNER						150	154	148	132	117	105	114	131	14.9%	-12.7%	--
215	JAMESTOWN						446	474	558	682	709	689	770	851	10.5%	90.8%	--
219	MANDAN					166	140	148	142	138	138	147	147	143	-2.7%	2.1%	--
221	FAIRFIELD					280	272	270	294	475	507	505	641	1100	71.6%	304.4%	--
233	FOXHOLM					420	390	438	440	531	548	518	644	689	7.0%	76.7%	--
237	NEKOMA							130	116	150	118	102	122	144	18.0%	--	--
239	NEW TOWN					140	132		140	230	549	678	1217	2458	102.0%	1762.1%	--
241	BOTTINEAU					152	176	126	118	142	129	151	163	160	-1.8%	-9.1%	--
253	RUGBY							432	418	426	508	364	431	466	8.1%	--	--
255	CROSBY						146	128	96	130	145	149	234	432	84.6%	195.9%	--
257	WILLISTON							130	158	175	160	146	280	657	134.6%	--	--
261	CARRINGTON											249	268	275	2.6%	--	--
271	GOLDEN VALLEY									75	66	95	111	276	148.6%	--	--
273	NEW LEIPZIG						76	66	44	45	43	54	62	51	-17.7%	-32.9%	--
281	SAWYER						376	412	486	538	572	582	744	838	12.6%	122.9%	--
303	MICHIGAN					630	580	570	538	529	513	535	593	619	4.4%	6.7%	--
307	WASHBURN						586	548	548	622	609	698	740	907	22.6%	54.8%	--
	MEAN					318	307	303	298	336	370	381	494	727	39.1%	248.1%	--
RURAL MINOR ARTERIAL																	
231	GRAFTON						228	232	274	228	267	243	243	237	-2.5%	3.9%	--
247	COURTENAY						48	36	40	35	33	34	36	44	22.2%	-8.3%	--
249	GARRISON					122	104	104	104	113	117	134	127	158	24.4%	51.9%	--
275	HANNOVER					74	60	62	66	58	57	78	80	89	11.3%	48.3%	--
289	MANNING							144	132	283	408	539	931	1281	37.6%	--	--
	MEAN					98	110	116	123	143	176	206	283	362	18.6%	24.0%	--
RURAL MAJOR COLLECTOR - STATE																	
267	TRENTON											369	670	1284	91.6%	--	--
	MEAN											369	670	1284	91.6%	--	--
RURAL MAJOR COLLECTOR - COUNTY																	
225	STERLING								40	54	54	63	68	80	17.6%	--	--
	MEAN								40	54	54	63	68	80	17.6%	--	--

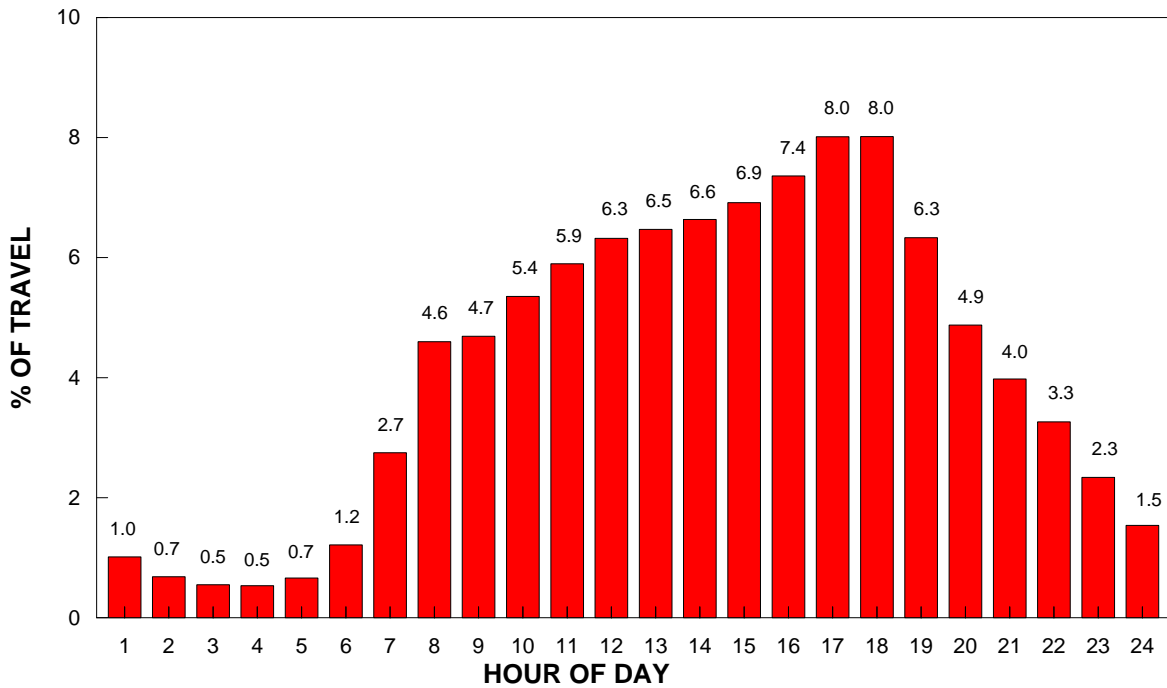
Missing data is the result of years when a recording station was out of service.

HOURLY DISTRIBUTION OF TRAVEL

RURAL INTERSTATE 94

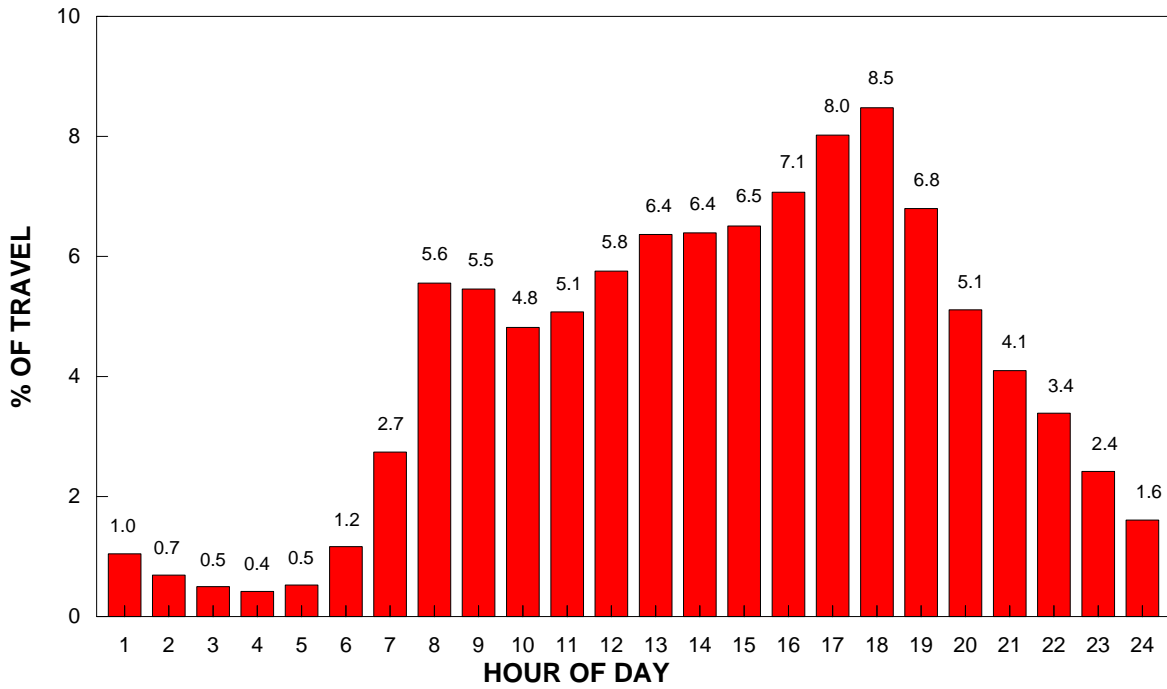


RURAL INTERSTATE 29

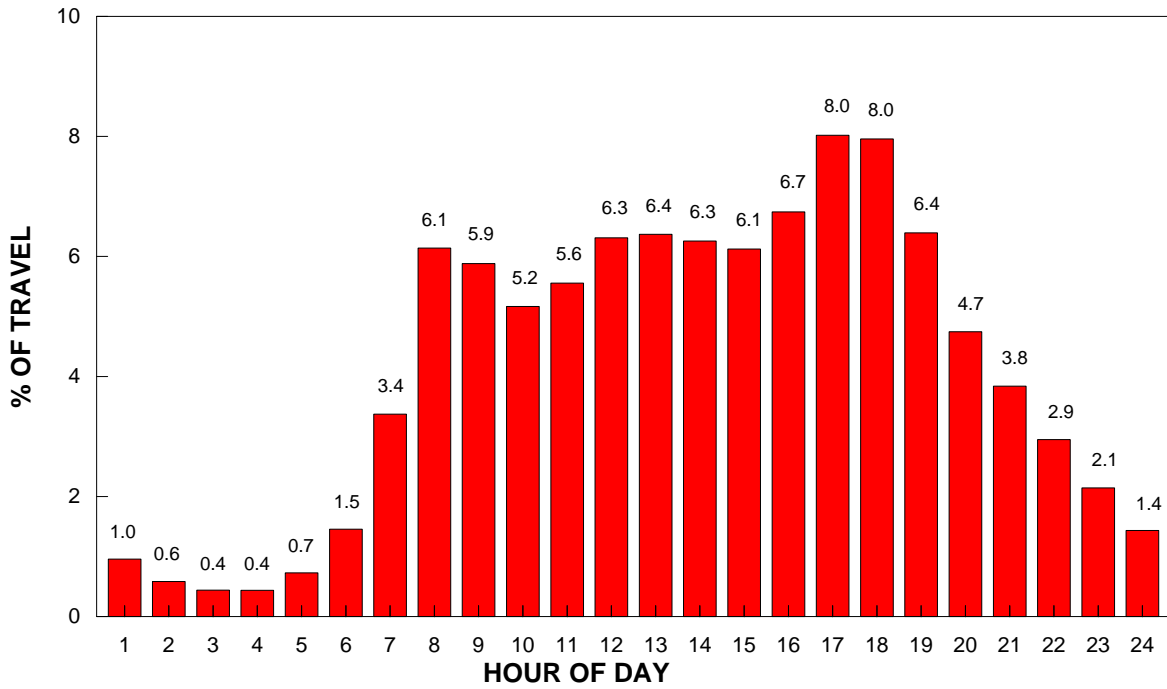


HOURLY DISTRIBUTION OF TRAVEL

URBAN INTERSTATE 94

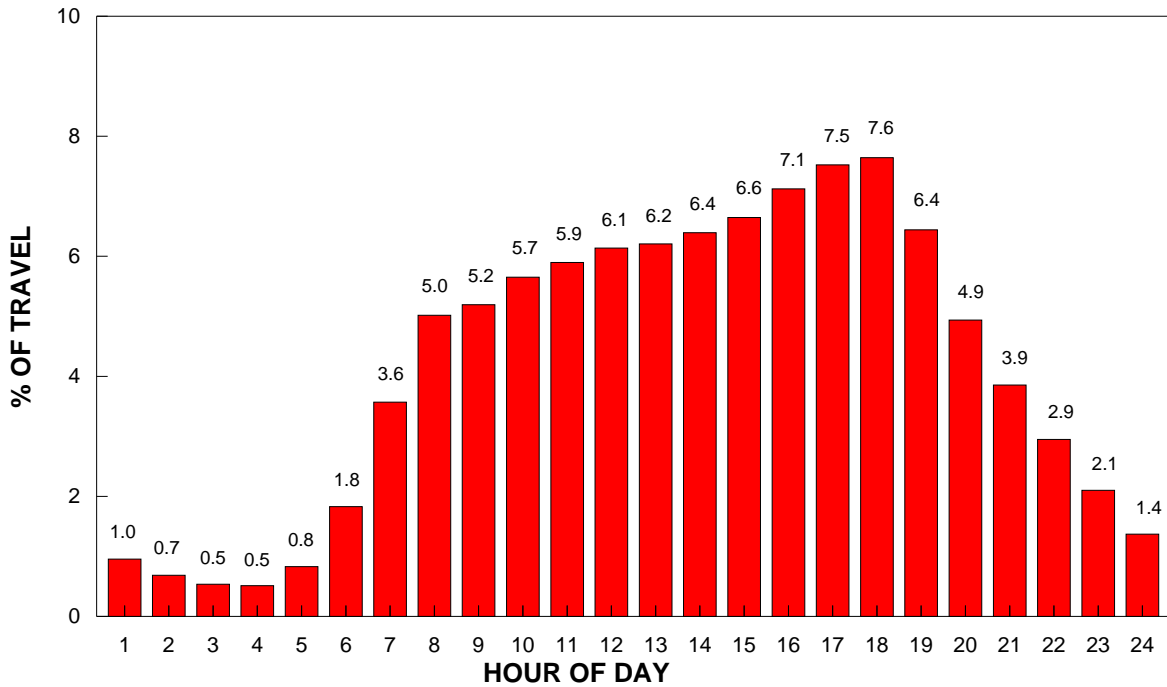


URBAN INTERSTATE 29

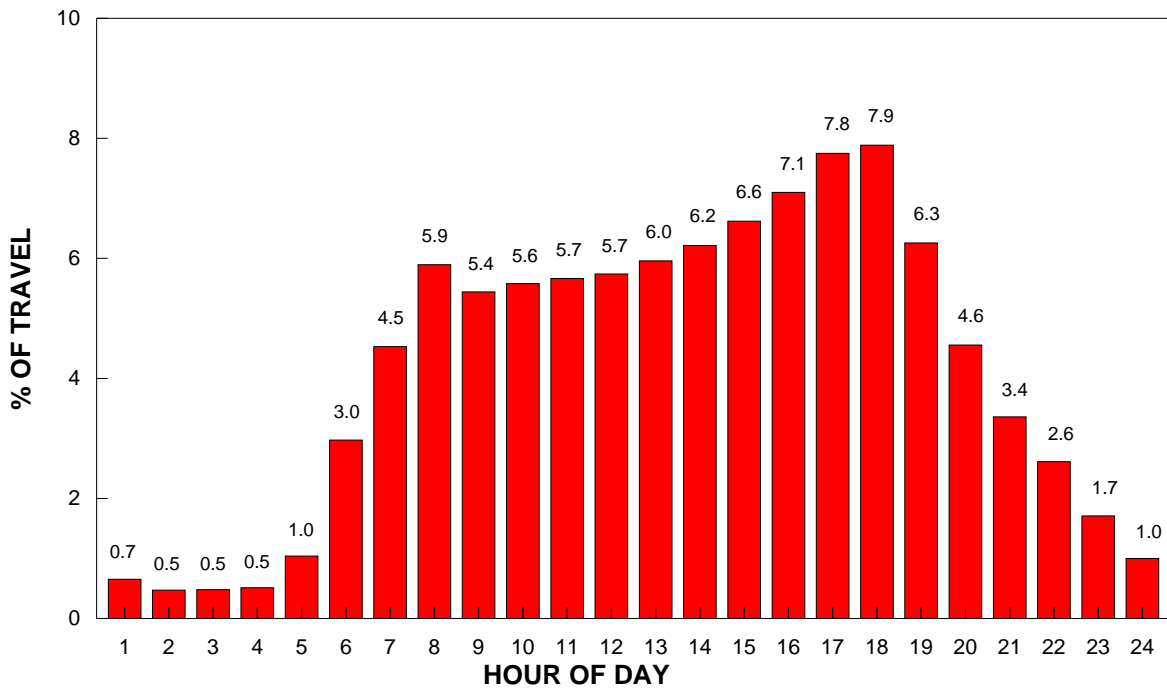


HOURLY DISTRIBUTION OF TRAVEL

RURAL PRINCIPAL ARTERIAL

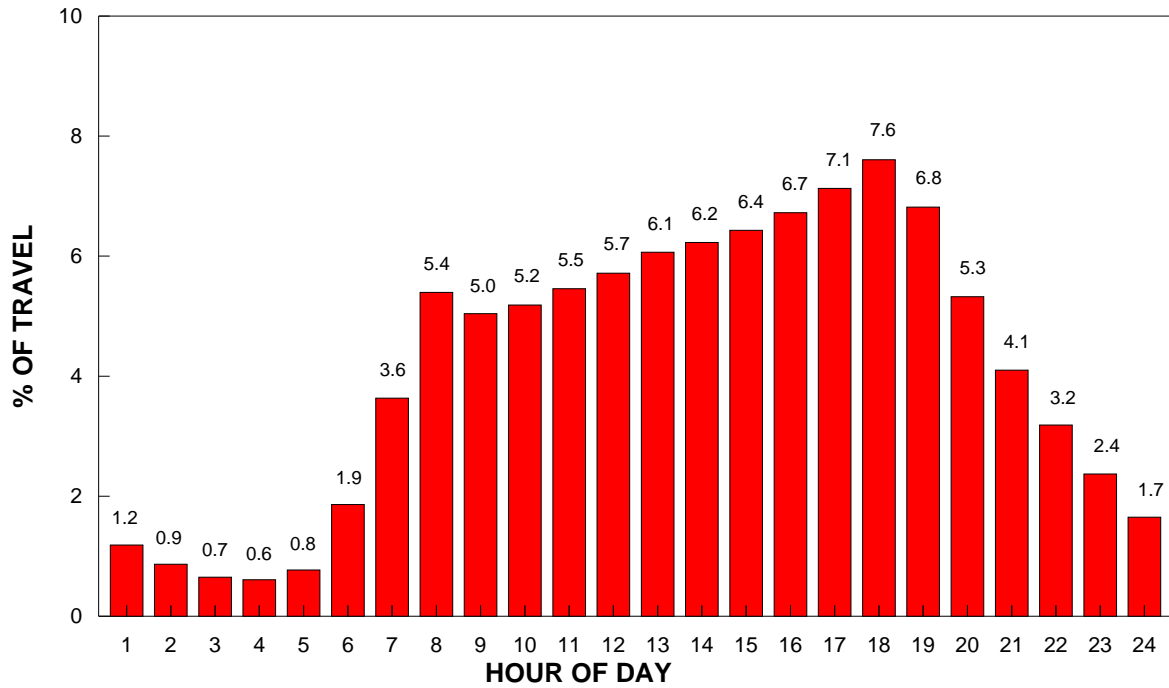


RURAL MINOR ARTERIAL

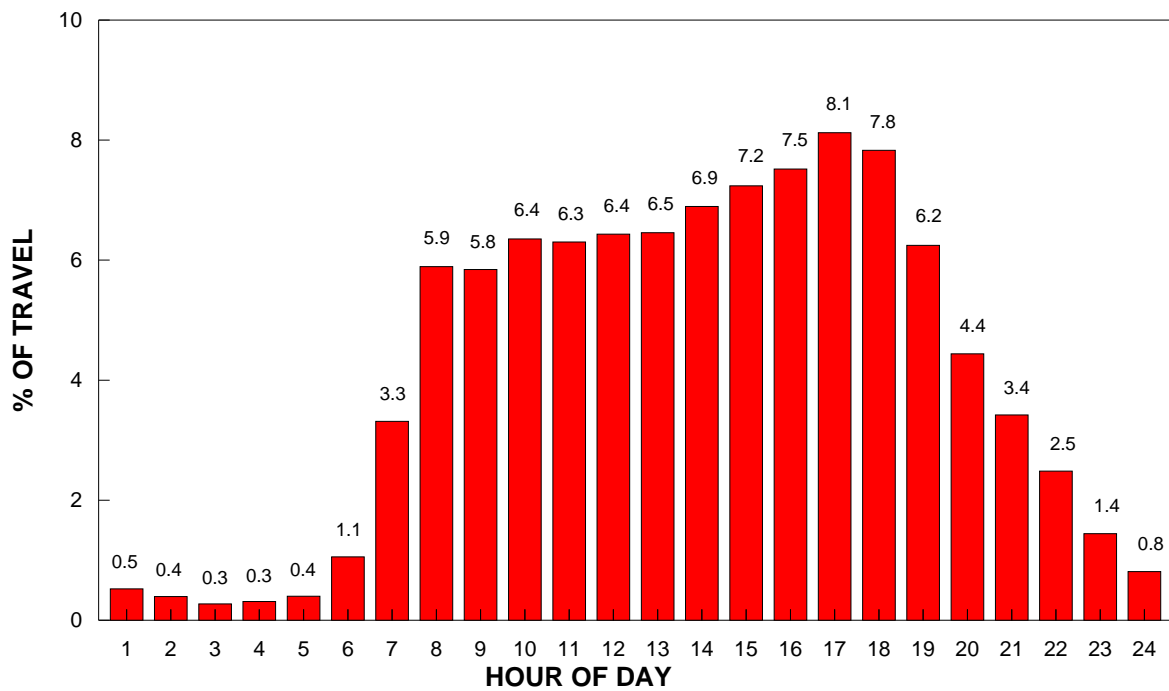


HOURLY DISTRIBUTION OF TRAVEL

RURAL MAJOR COLLECTOR - STATE

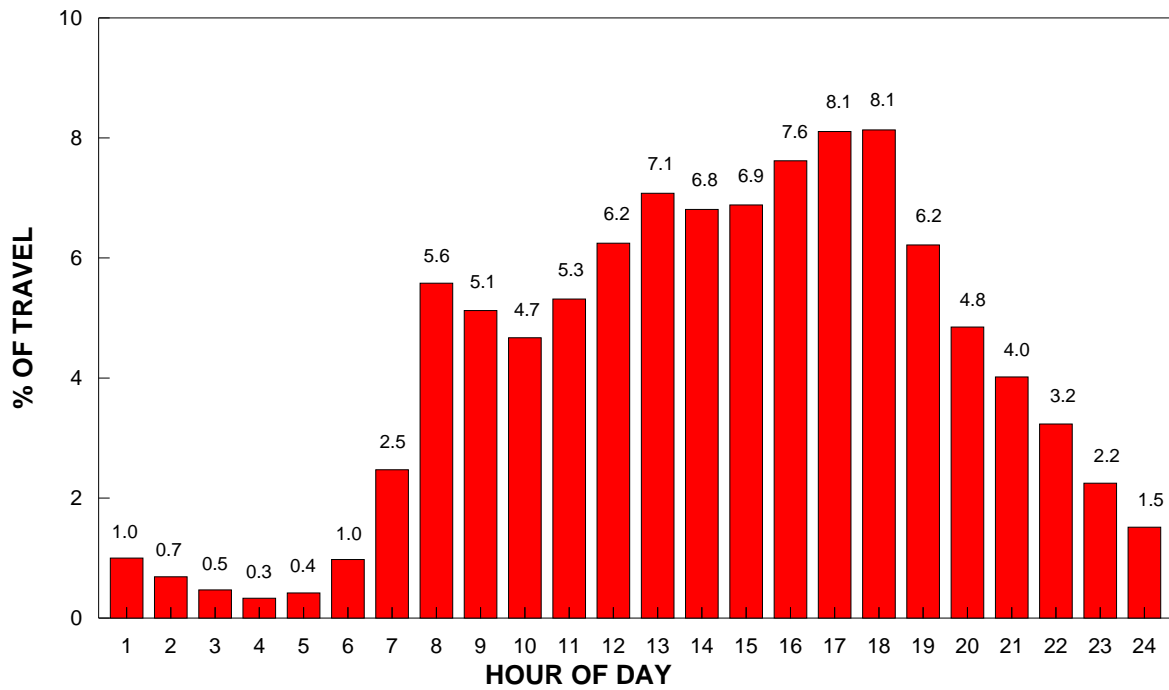


RURAL MAJOR COLLECTOR - COUNTY

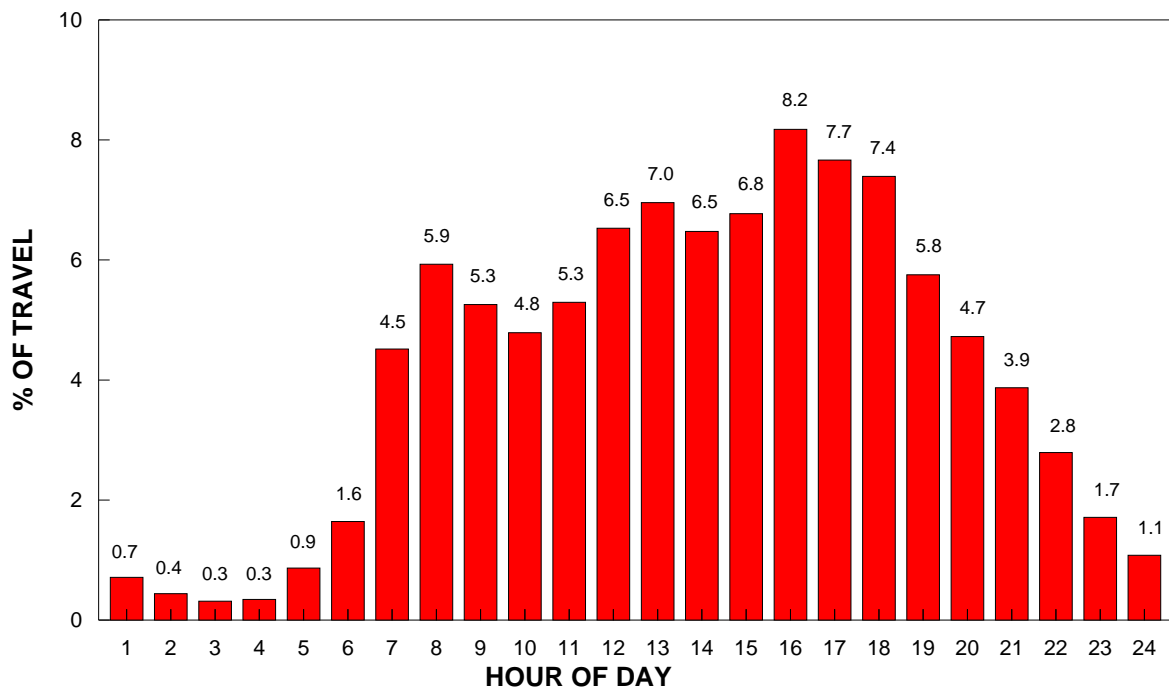


HOURLY DISTRIBUTION OF TRAVEL

URBAN PRINCIPAL ARTERIAL

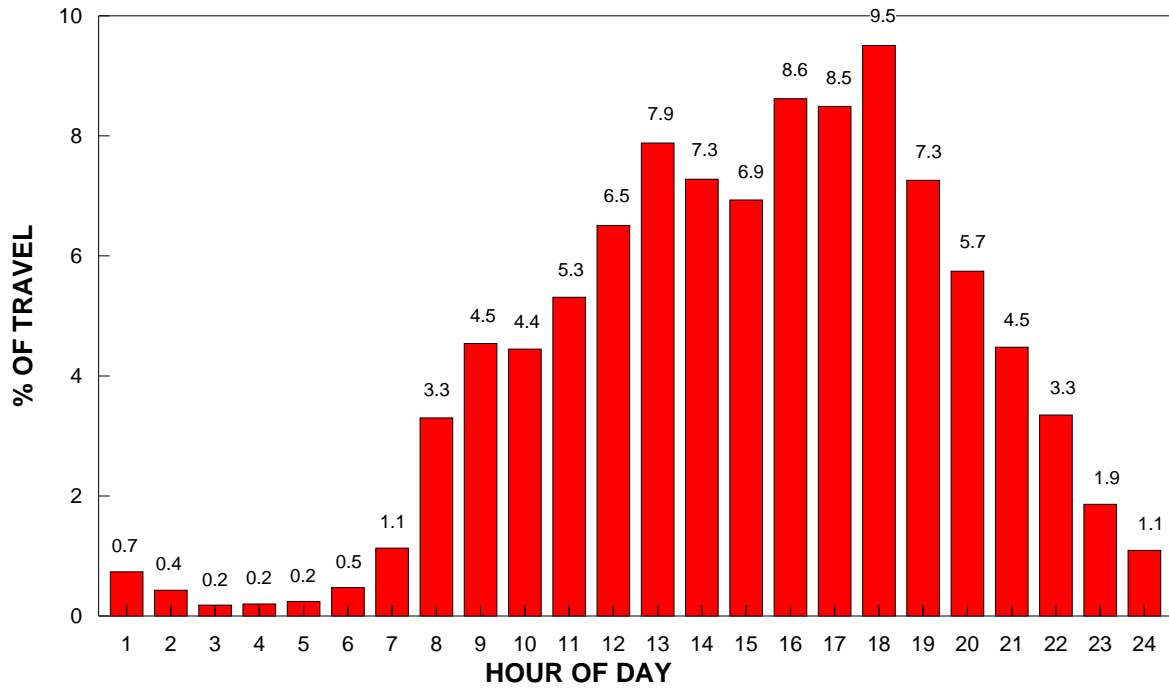


URBAN MINOR ARTERIAL



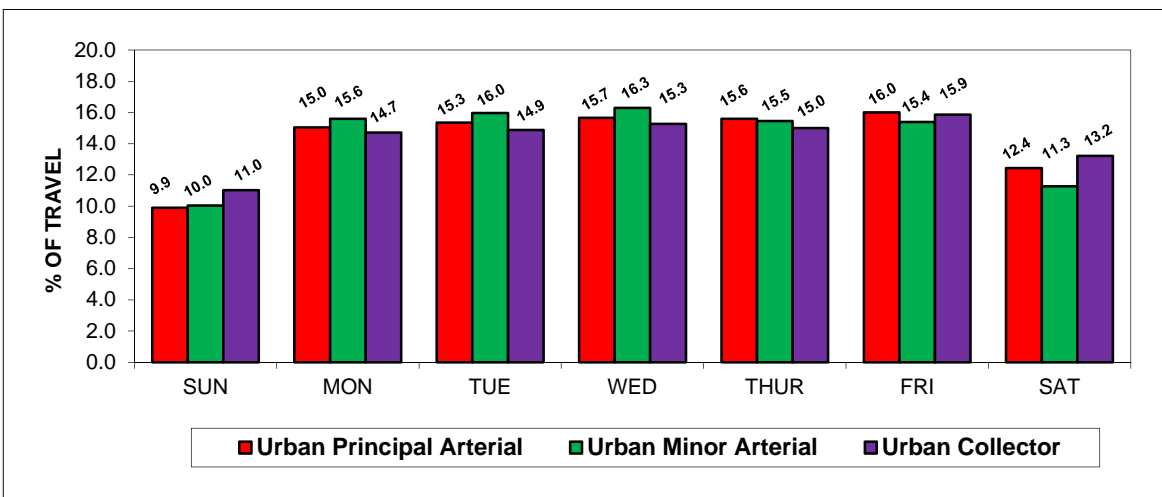
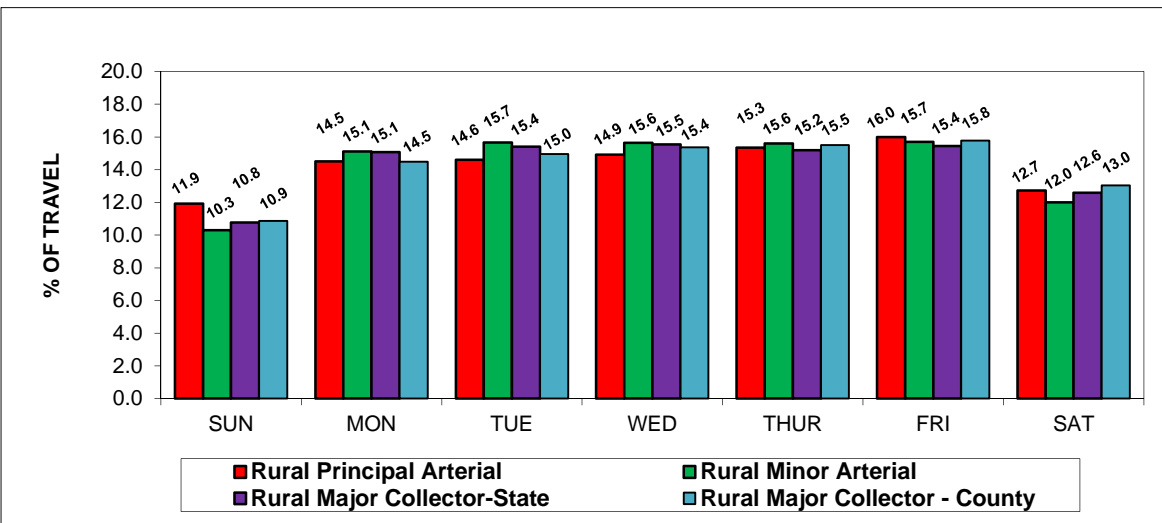
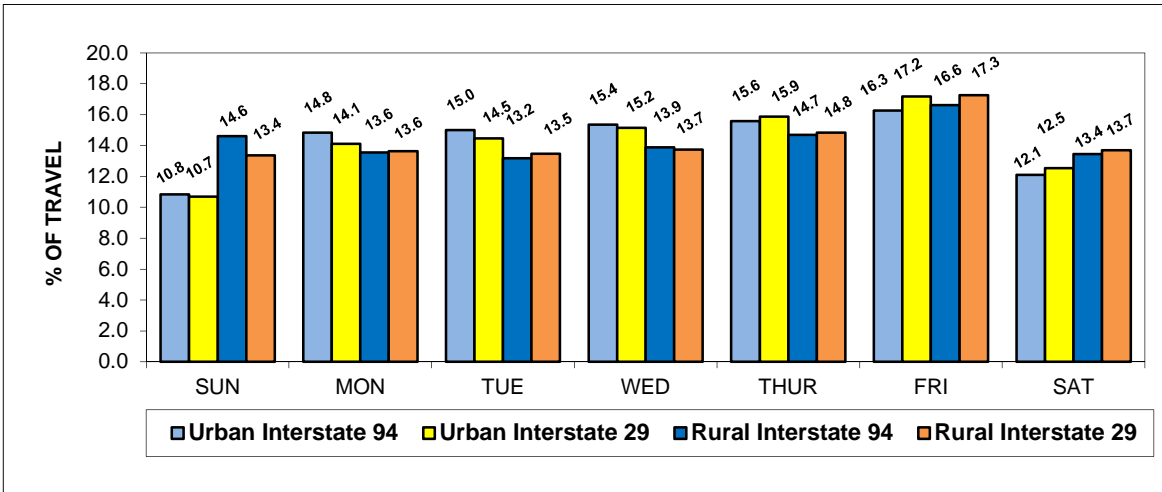
HOURLY DISTRIBUTION OF TRAVEL

URBAN COLLECTOR

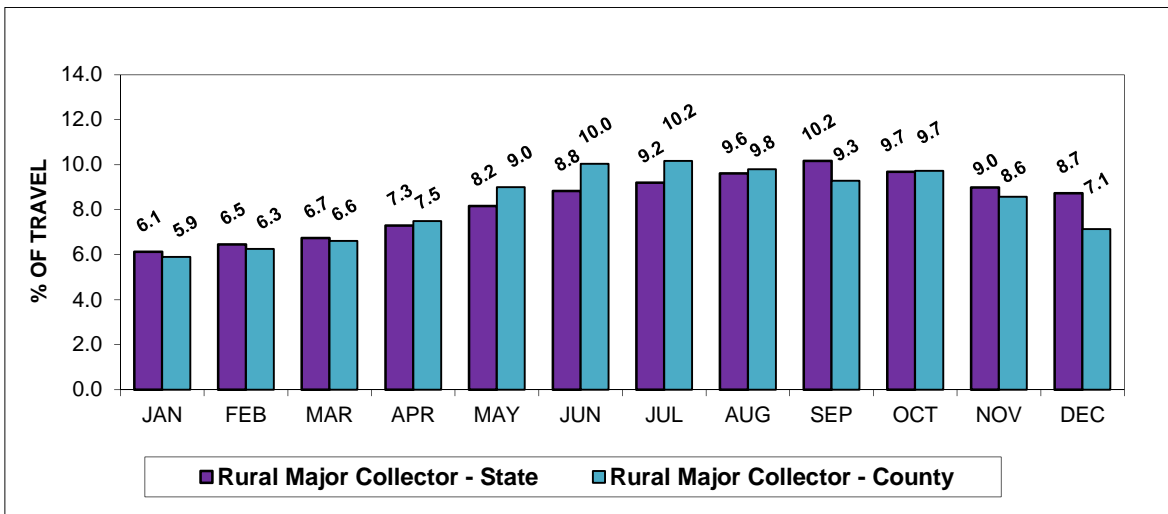
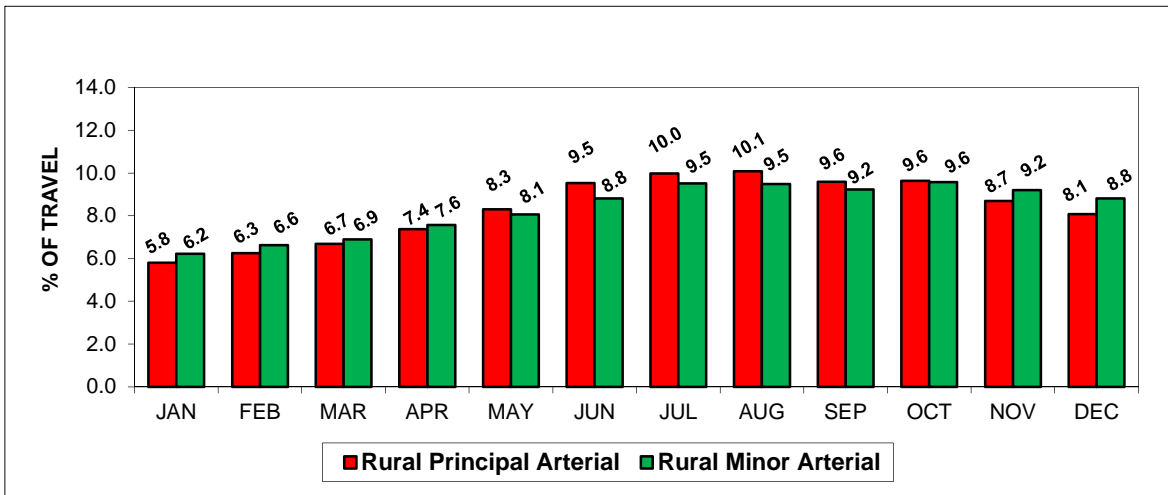
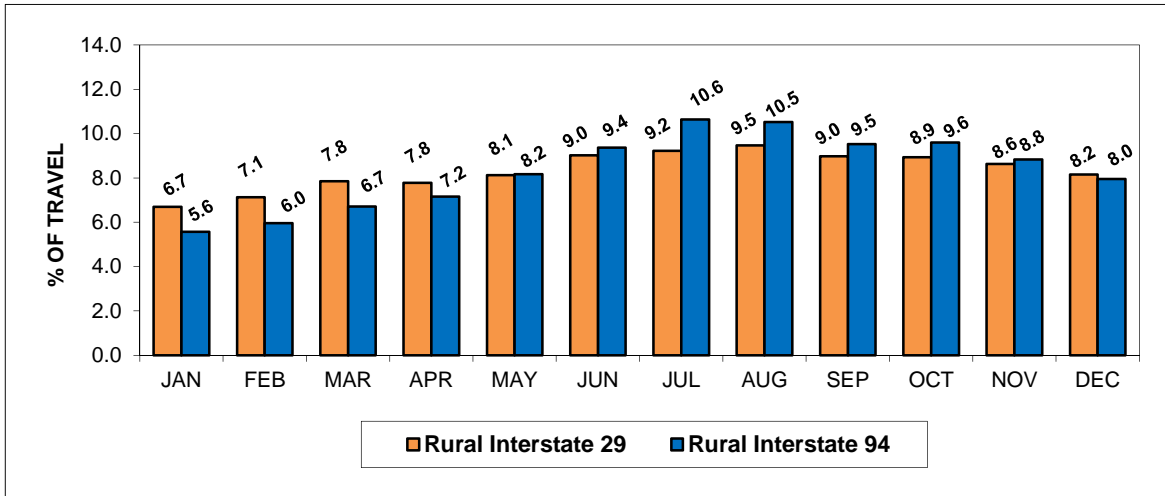


DAILY DISTRIBUTION OF TRAVEL

TOTAL VEHICLES

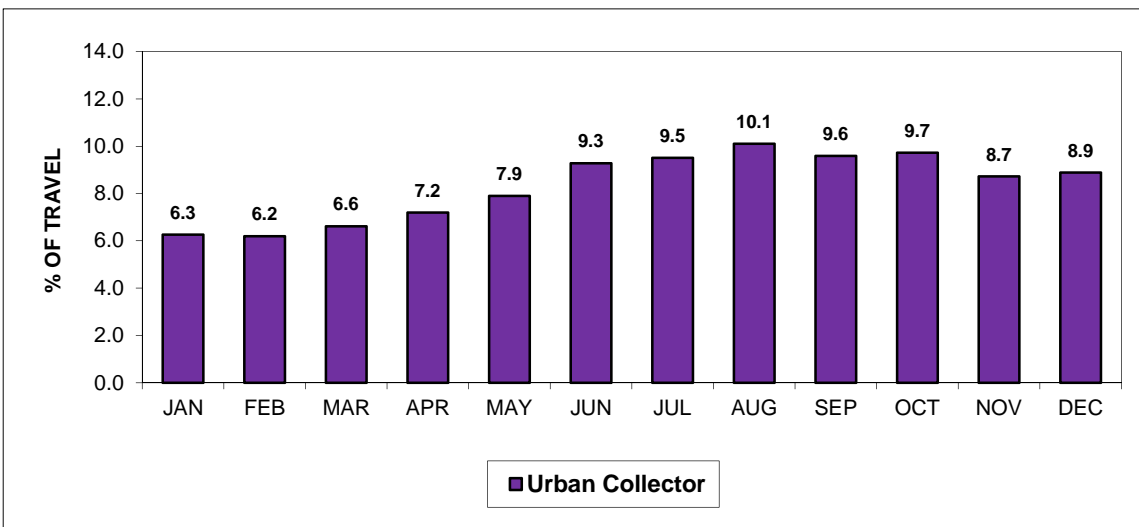
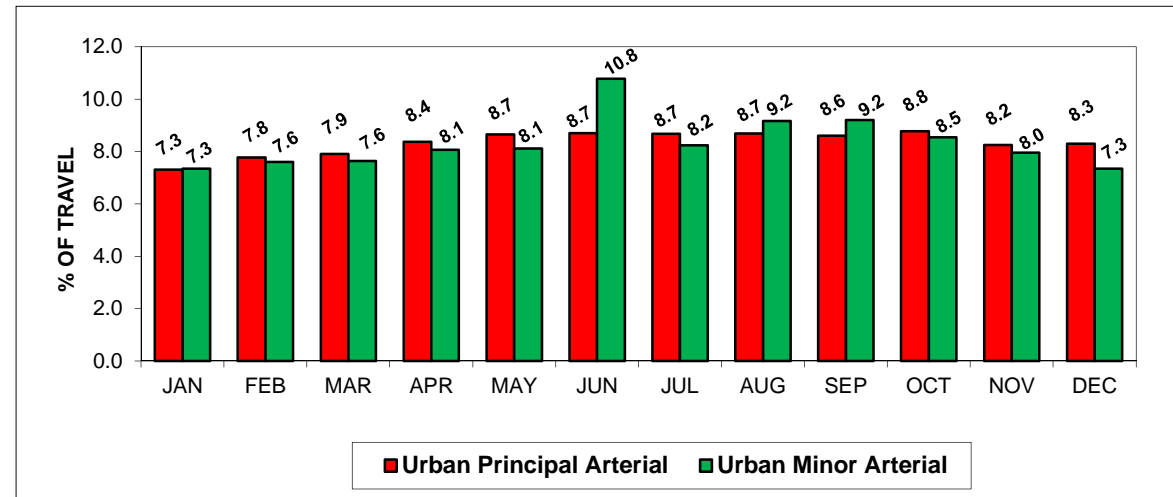
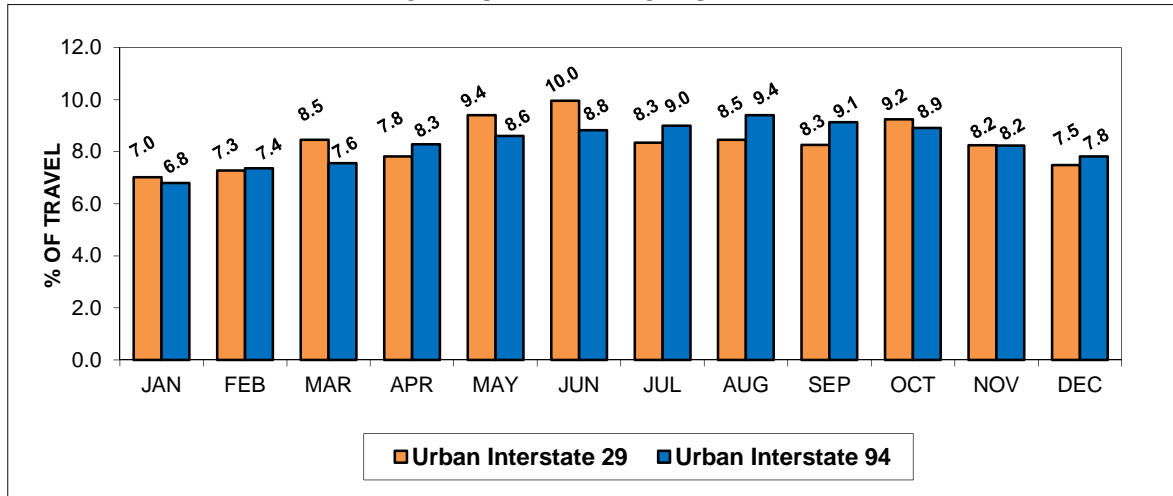


MONTHLY DISTRIBUTION OF ANNUAL TRAFFIC TOTAL RURAL VEHICLES



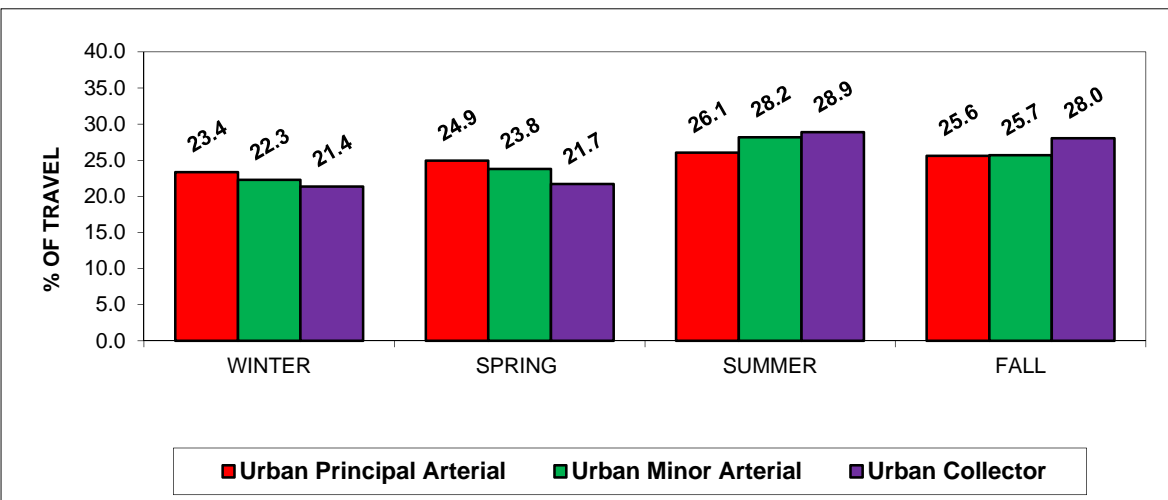
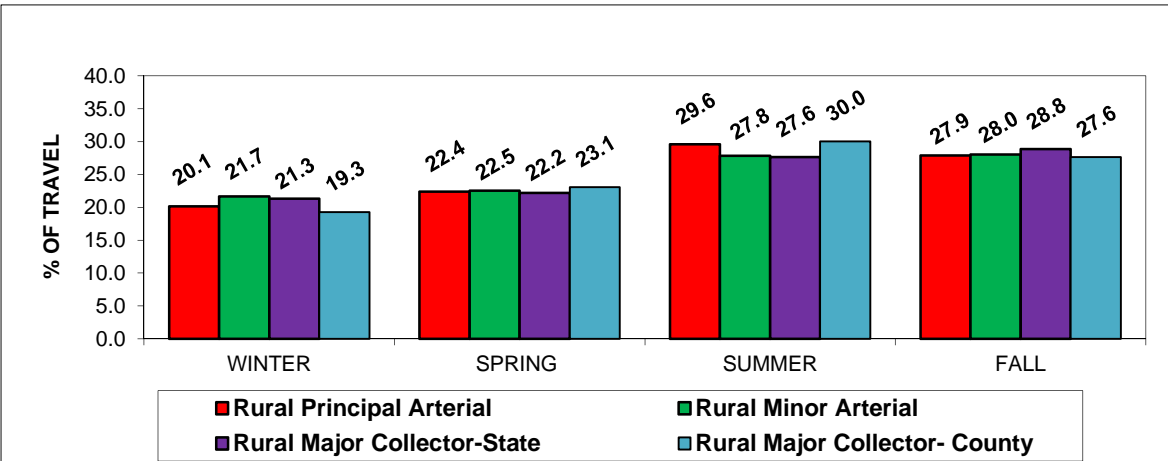
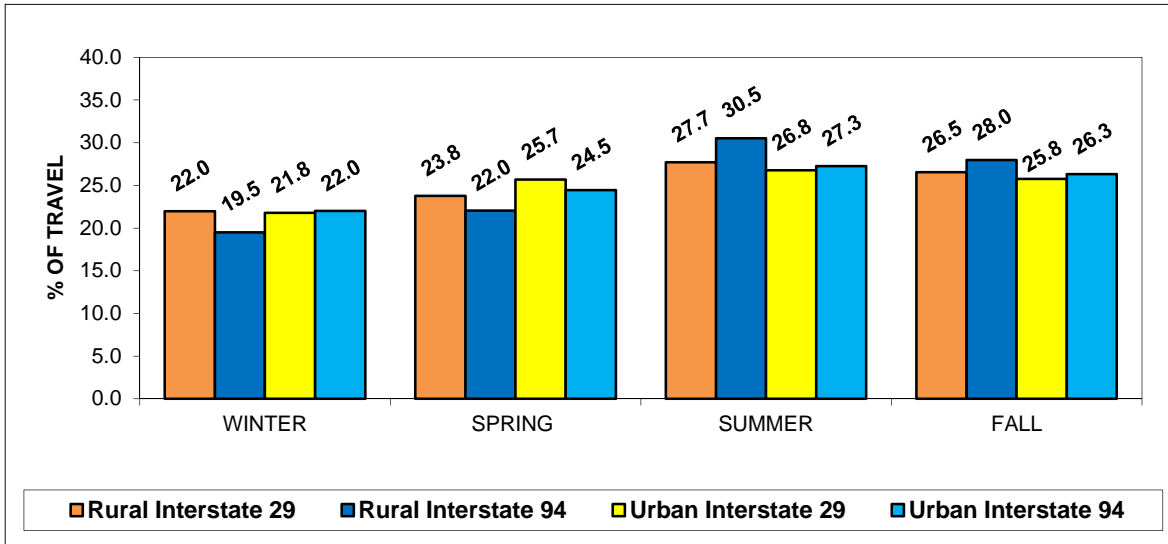
MONTHLY DISTRIBUTION OF ANNUAL TRAFFIC

TOTAL URBAN VEHICLES



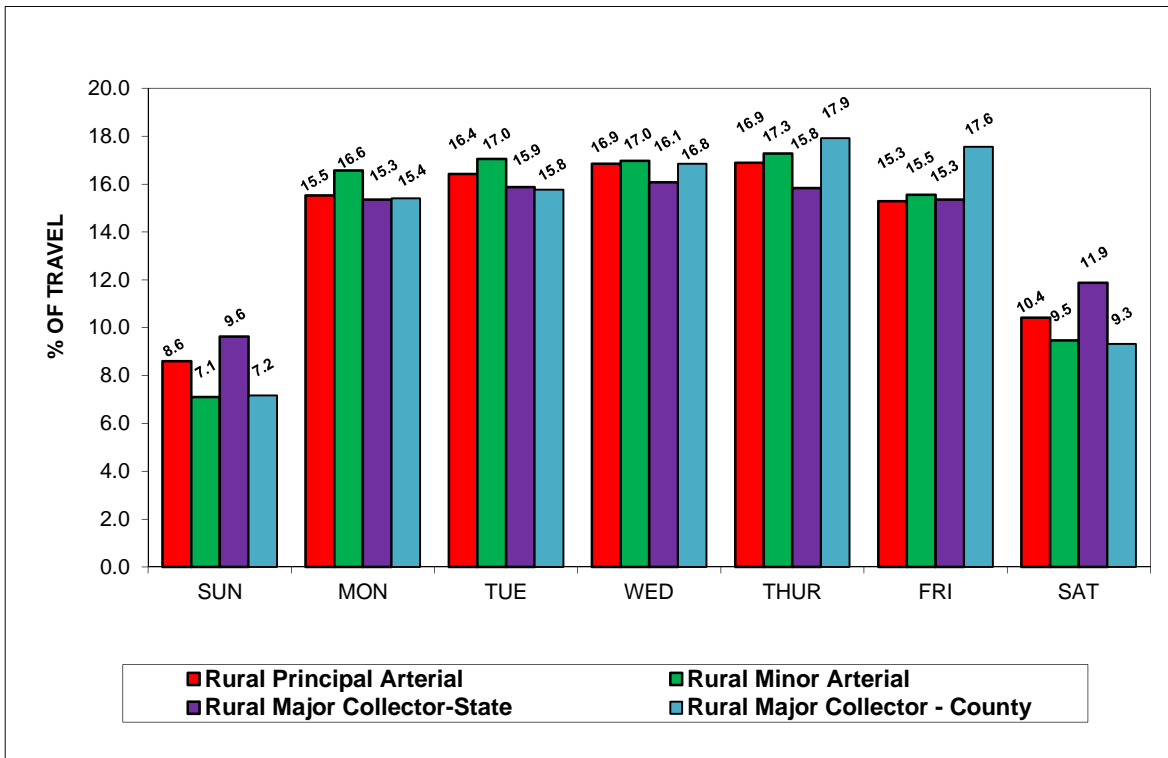
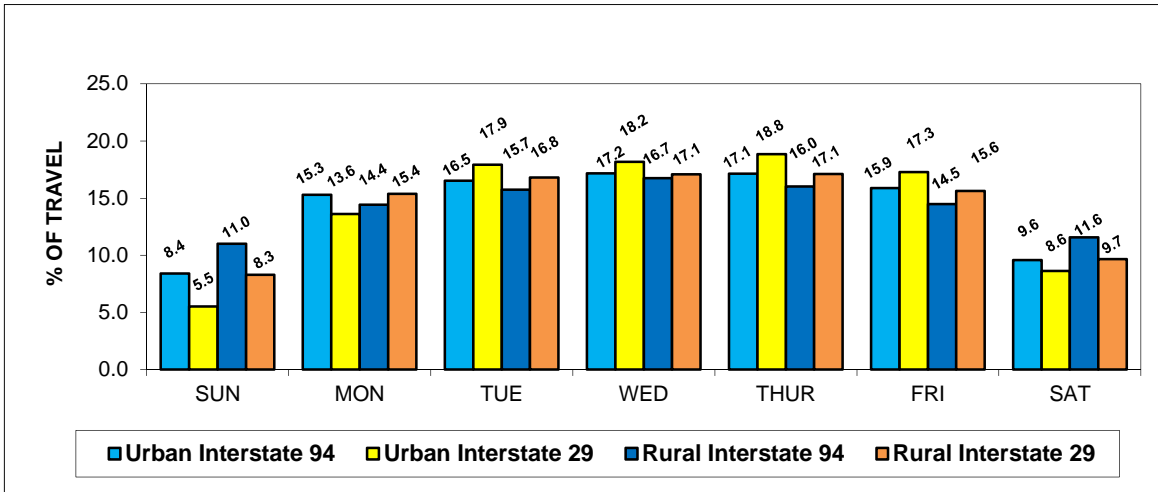
SEASONAL DISTRIBUTION OF TRAVEL

TOTAL VEHICLES



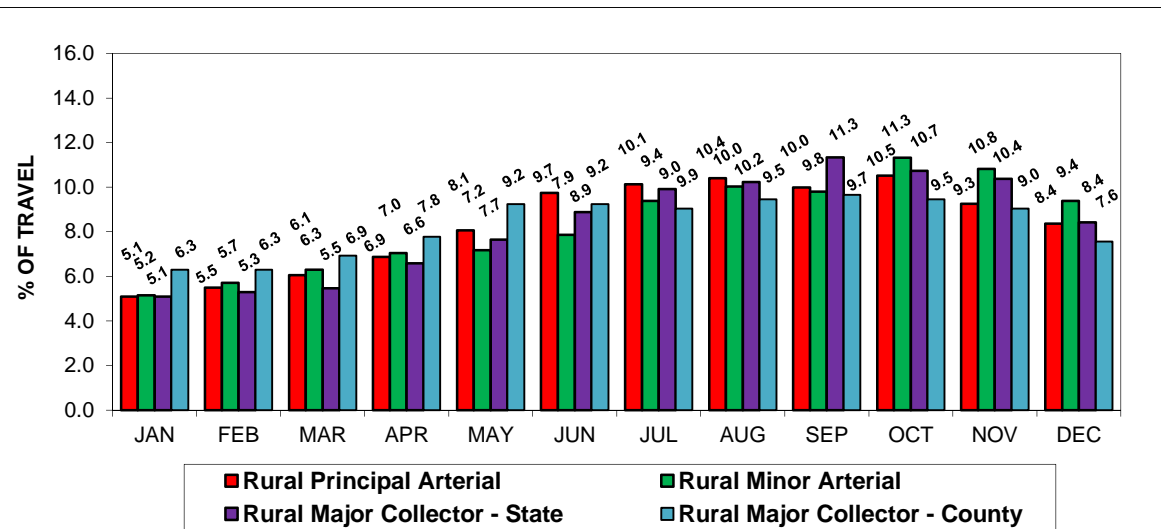
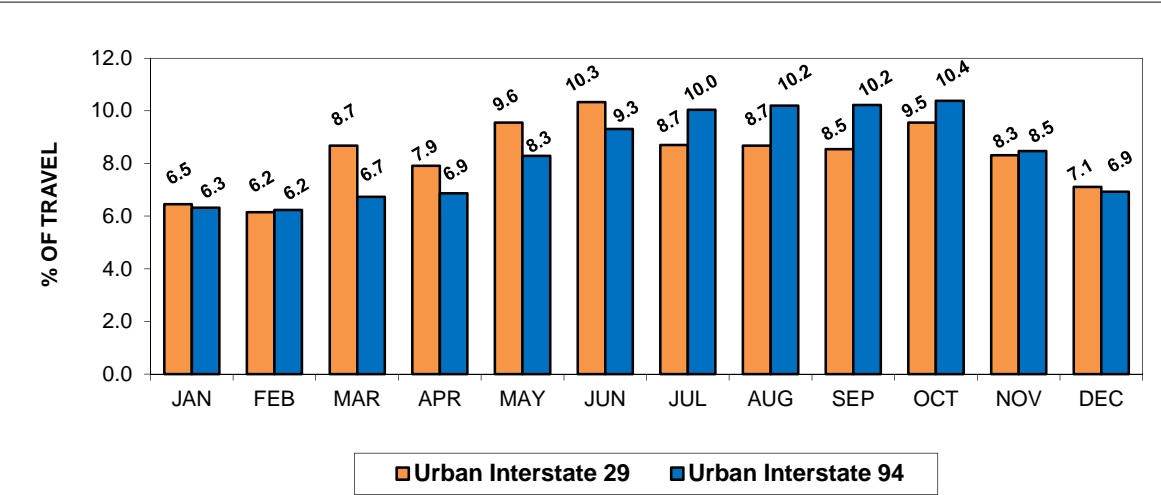
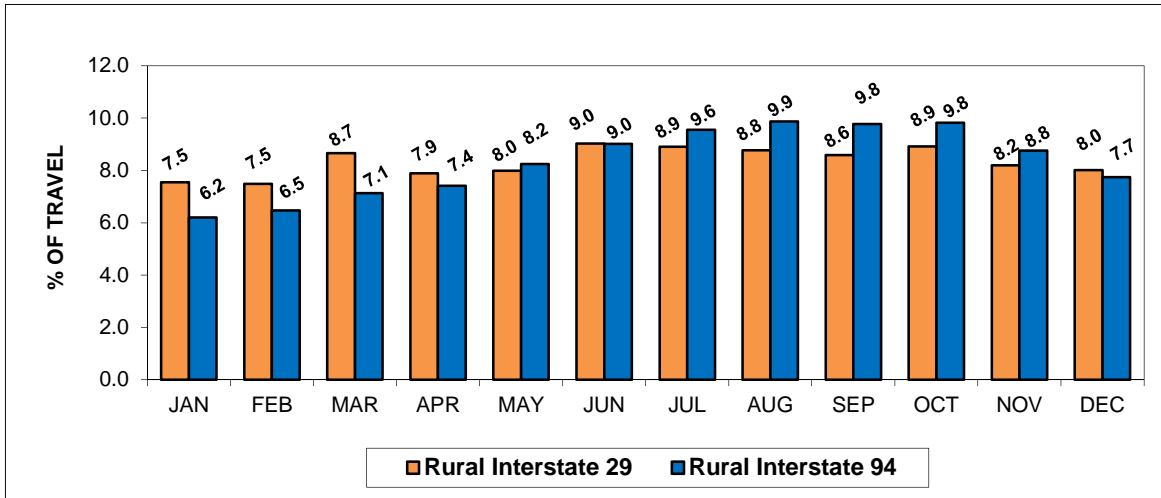
DAILY DISTRIBUTION OF TRAVEL

TOTAL TRUCKS

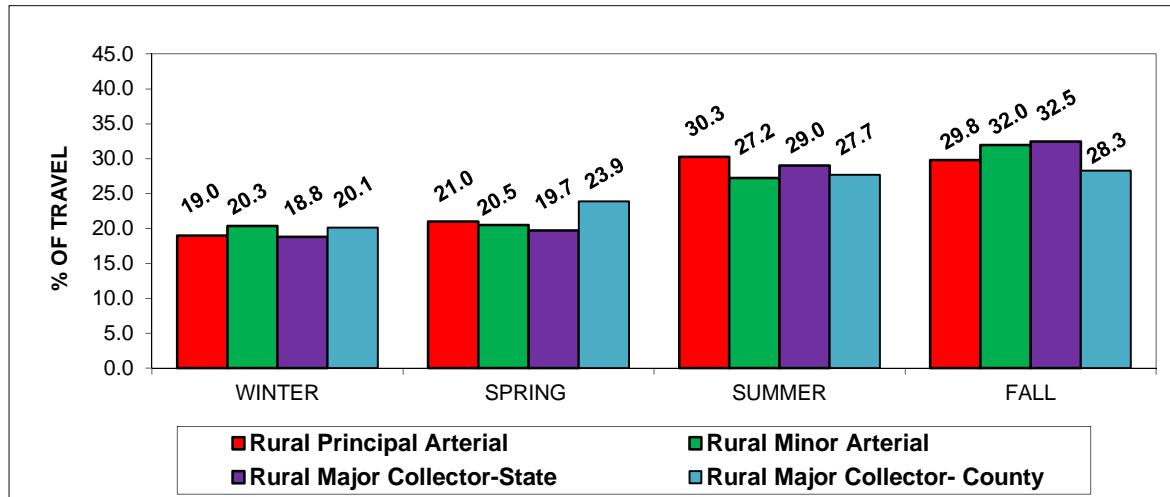
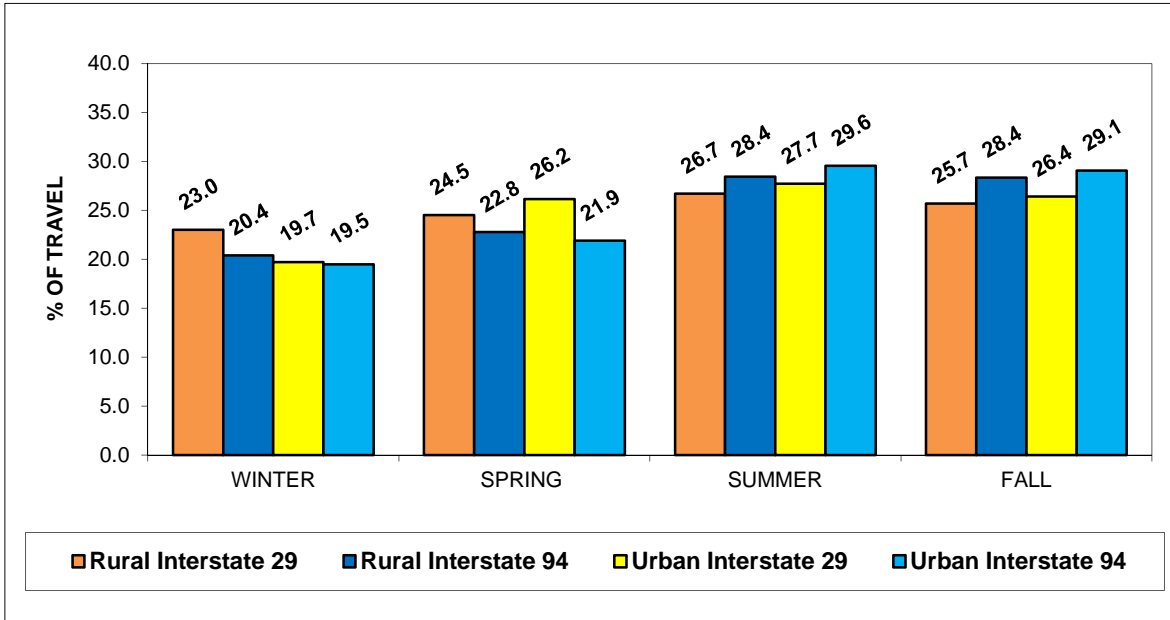


MONTHLY DISTRIBUTION OF ANNUAL TRAFFIC

TOTAL TRUCKS



SEASONAL DISTRIBUTION OF TRAVEL TOTAL TRUCKS



**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2011**

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	4572	788	17.2%	564	12.3%	403	58-42
		WEST	3940	718	18.2%	574	14.6%	533	52-48
		EAST & WEST	8512	1,434	16.8%	1095	12.9%		
223	NEW SALEM	EAST	3843	576	15.0%	458	11.9%	422	52-48
		WEST	3812	549	14.4%	424	11.1%	385	52-48
		EAST & WEST	7655	999	13.1%	860	11.2%		
245	TOWER CITY	EAST	5470	865	15.8%	703	12.9%	649	52-48
		WEST	5470	925	16.9%	730	13.3%	629	54-46
		EAST & WEST	10940	1,707	15.6%	1359	12.4%		
279	PAINTED CANYON	EAST	2224	348	15.6%	283	12.7%	224	56-44
		WEST	2171	372	17.1%	299	13.8%	222	57-43
		EAST & WEST	4395	622	14.2%	565	12.9%		
INTERSTATE RURAL - I-29									
211	BUXTON	NORTH	5646	991	17.6%	720	12.8%	974	43-57
		SOUTH	5634	974	17.3%	731	13.0%	534	58-42
		NORTH & SOUTH	11280	1,694	15.0%	1381	12.2%		
243	BOWESMONT	NORTH	1821	436	23.9%	284	15.6%	101	74-26
		SOUTH	1761	437	24.8%	292	16.6%	64	82-18
		NORTH & SOUTH	3582	582	16.2%	438	12.2%		
265	MOORETON	NORTH	3179	584	18.4%	440	13.8%	382	54-46
		SOUTH	3235	591	18.3%	434	13.4%	380	53-47
		NORTH & SOUTH	6414	1,080	16.8%	848	13.2%		
285	DAVENPORT	NORTH	5405	761	14.1%	676	12.5%	354	66-34
		SOUTH	5373	878	16.3%	717	13.3%	443	62-38
		NORTH & SOUTH	10778	1,438	13.3%	1218	11.3%		
INTERSTATE URBAN - I-94									
217	FARGO (U)	EAST	32431	4,530	14.0%	4072	12.6%	3074	57-43
		WEST	33595	4,245	12.6%	3790	11.3%	2042	65-35
		EAST & WEST	66026	7,470	11.3%	7066	10.7%		
283	BISMARCK (U)	EAST	12331	1,469	11.9%	1288	10.4%	1018	56-44
		WEST	12280	1,450	11.8%	1367	11.1%	1225	53-47
		EAST & WEST	24611	2,821	11.5%	2618	10.6%		
INTERSTATE URBAN - I-29									
235	FARGO (U)	NORTH	16036	3,321	20.7%	2220	13.8%	1911	54-46
		SOUTH	15311	4,438	29.0%	2440	15.9%	1824	57-43
		NORTH & SOUTH	31347	7,383	23.6%	4548	14.5%		
PRINCIPAL ARTERIAL RURAL									
201	RAY	EAST	3628	540	14.9%	414	11.4%	444	48-52
		WEST	3608	518	14.4%	393	10.9%	379	51-49
		EAST & WEST	7236	962	13.3%	806	11.1%		
203	MAX	NORTH	2633	496	18.8%	354	13.4%	308	53-47

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2011**

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	2567	482	18.8%	354	13.8%	238	60-40
		NORTH & SOUTH	5200	848	16.3%	640	12.3%		
205	GWINNER	EAST	592	196	33.1%	100	16.9%	14	88-12
		WEST	601	212	35.3%	108	18.0%	36	75-25
		EAST & WEST	1193	270	22.6%	168	14.1%		
215	JAMESTOWN	EAST	1649	228	13.8%	193	11.7%	151	56-44
		WEST	1697	236	13.9%	191	11.3%	186	51-49
		EAST & WEST	3346	425	12.7%	365	10.9%		
219	MANDAN	NORTH	780	162	20.8%	95	12.2%	62	61-39
		SOUTH	785	127	16.2%	111	14.1%	62	64-36
		NORTH & SOUTH	1565	276	17.6%	180	11.5%		
221	FAIRFIELD	NORTH	1803	388	21.5%	300	16.6%	168	64-36
		SOUTH	1801	305	16.9%	248	13.8%	93	73-27
		NORTH & SOUTH	3604	580	16.1%	466	12.9%		
229	COOPERSTOWN	EAST	456	127	27.9%	66	14.5%	56	54-46
		WEST	446	125	28.0%	74	16.6%	62	54-46
		EAST & WEST	902	180	20.0%	130	14.4%		
233	FOXHOLM	EAST	1323	247	18.7%	172	13.0%	87	66-34
		WEST	1375	202	14.7%	157	11.4%	90	64-36
		EAST & WEST	2698	396	14.7%	294	10.9%		
237	NEKOMA	NORTH	381	84	22.0%	54	14.2%	54	50-50
		SOUTH	396	82	20.7%	60	15.2%	54	53-47
		NORTH & SOUTH	777	148	19.0%	106	13.6%		
239	NEW TOWN	EAST	2915	380	13.0%	250	8.6%	240	51-49
		WEST	2905	384	13.2%	258	8.9%	314	45-55
		EAST & WEST	5820	698	12.0%	490	8.4%		
241	BOTTINEAU	EAST	568	115	20.2%	87	15.3%	48	64-36
		WEST	591	98	16.6%	78	13.2%	38	67-33
		EAST & WEST	1159	166	14.3%	139	12.0%		
251	HAGUE	NORTH	365	65	17.8%	47	12.9%	38	55-45
		SOUTH	382	71	18.6%	50	13.1%	45	53-47
		NORTH & SOUTH	747	110	14.7%	89	11.9%		
253	RUGBY	EAST	1471	251	17.1%	189	12.8%	104	65-35
		WEST	1451	229	15.8%	172	11.9%	110	61-39
		EAST & WEST	2922	407	13.9%	322	11.0%		
255	CROSBY	EAST	599	95	15.9%	75	12.5%	42	64-36
		WEST	613	103	16.8%	76	12.4%	71	52-48
		EAST & WEST	1212	158	13.0%	137	11.3%		
257	WILLISTON	EAST	1302	286	22.0%	180	13.8%	124	59-41
		WEST	1284	244	19.0%	161	12.5%	102	61-39
		EAST & WEST	2586	514	19.9%	304	11.8%		
261	CARRINGTON	NORTH	869	164	18.9%	108	12.4%	55	66-34
		SOUTH	866	135	15.6%	98	11.3%	96	51-49

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2011**

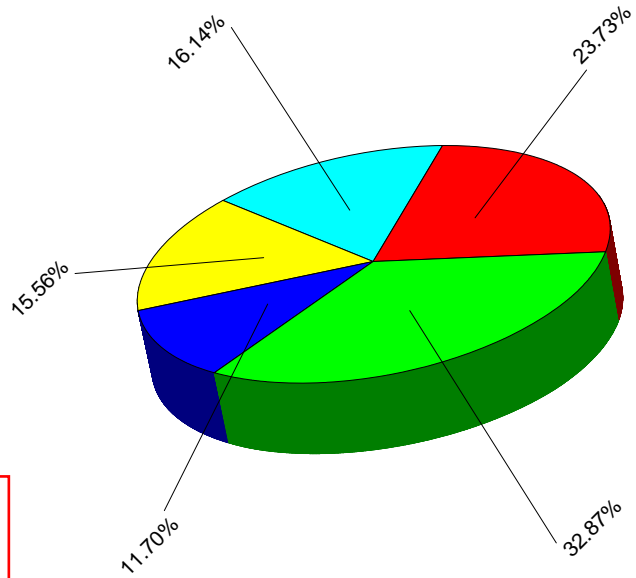
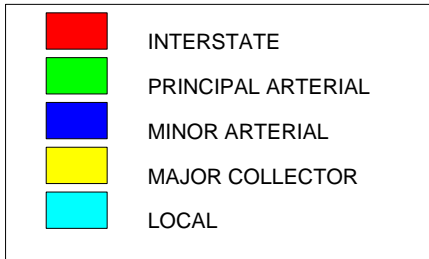
STATION NUMBER	STATION NAME	DIRECTION	ANNUAL AVERAGE DAILY TRAFFIC (AADT)	---- PEAK HOUR ----		----- DESIGN HOUR -----			
				VOLUME	% OF AADT	VOLUME	% OF AADT	VOLUME OPPOSITE DIR	DIRECTIONAL DISTRIBUTION
PRINCIPAL ARTERIAL RURAL									
261	CARRINGTON	NORTH & SOUTH	1735	231	13.3%	192	11.1%		
271	GOLDEN VALLEY	EAST	638	134	21.0%	104	16.3%	68	60-40
		WEST	648	254	39.2%	116	17.9%	76	60-40
		EAST & WEST	1286	312	24.3%	202	15.7%		
273	NEW LEIPZIG	EAST	180	60	33.3%	29	16.1%	14	67-33
		WEST	180	58	32.2%	27	15.0%	16	63-37
		EAST & WEST	360	84	23.3%	49	13.6%		
281	SAWYER	EAST	2379	393	16.5%	351	14.8%	175	67-33
		WEST	2446	397	16.2%	380	15.5%	104	79-21
		EAST & WEST	4825	607	12.6%	529	11.0%		
303	MICHIGAN	EAST	2042	533	26.1%	310	15.2%	254	55-45
		WEST	1985	392	19.7%	266	13.4%	274	49-51
		EAST & WEST	4027	873	21.7%	535	13.3%		
307	WASHBURN	NORTH	2906	445	15.3%	324	11.1%	366	47-53
		SOUTH	2861	450	15.7%	368	12.9%	243	60-40
		NORTH & SOUTH	5767	761	13.2%	657	11.4%		
MINOR ARTERIAL RURAL									
231	GRAFTON	EAST	1250	343	27.4%	154	12.3%	54	74-26
		WEST	1257	430	34.2%	164	13.0%	103	61-39
		EAST & WEST	2507	498	19.9%	277	11.0%		
247	COURTENAY	NORTH	250	153	61.2%	64	25.6%	11	85-15
		SOUTH	235	57	24.3%	34	14.5%	14	71-29
		NORTH & SOUTH	485	154	31.8%	75	15.5%		
249	GARRISON	EAST	740	167	22.6%	111	15.0%	75	60-40
		WEST	733	154	21.0%	111	15.1%	73	60-40
		EAST & WEST	1473	266	18.1%	212	14.4%		
275	HANNOVER	NORTH	305	90	29.5%	42	13.8%	15	74-26
		SOUTH	299	81	27.1%	41	13.7%	32	56-44
		NORTH & SOUTH	604	109	18.0%	76	12.6%		
289	MANNING	NORTH	2111	322	15.3%	283	13.4%	120	70-30
		SOUTH	2067	412	19.9%	333	16.1%	189	64-36
		NORTH & SOUTH	4178	595	14.2%	505	12.1%		
MAJOR COLLECTOR - COUNTY									
225	STERLING	EAST	306	120	39.2%	47	15.4%	31	60-40
		WEST	281	61	21.7%	38	13.5%	27	58-42
		EAST & WEST	587	136	23.2%	73	12.4%		
259	AYR	EAST	174	46	26.4%	28	16.1%	22	56-44
		WEST	169	42	24.9%	28	16.6%	16	64-36
		EAST & WEST	343	88	25.7%	50	14.6%		
277	REGENT	NORTH	161	67	41.6%	28	17.4%	26	52-48
		SOUTH	164	53	32.3%	29	17.7%	22	57-43

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2011**

STATION NUMBER	STATION NAME	DIRECTION	ANNUAL AVERAGE DAILY TRAFFIC (AADT)	---- PEAK HOUR ----		----- DESIGN HOUR -----			
				VOLUME	% OF AADT	VOLUME	% OF AADT	VOLUME OPPOSITE DIR	DIRECTIONAL DISTRIBUTION
MAJOR COLLECTOR - COUNTY									
277	REGENT	NORTH & SOUTH	325	74	22.8%	51	15.7%		
MAJOR COLLECTOR - STATE									
267	TRENTON	NORTH	2281	303	13.3%	235	10.3%	208	53-47
		SOUTH	2245	315	14.0%	279	12.4%	193	59-41
		NORTH & SOUTH	4526	490	10.8%	455	10.1%		
PRINCIPAL ARTERIAL URBAN									
287	GRAND FORKS	NORTH	10240	1,123	11.0%	1011	9.9%	1060	49-51
		SOUTH	10173	1,165	11.5%	1081	10.6%	932	54-46
		NORTH & SOUTH	20413	2,217	10.9%	2069	10.1%		
501	FARGO (U)	NORTH	11727	1,579	13.5%	1450	12.4%	813	64-36
		SOUTH	12694	1,558	12.3%	1463	11.5%	1073	58-42
		NORTH & SOUTH	24421	2,717	11.1%	2455	10.1%		
603	WILLISTON (U)	EAST	4610	871	18.9%	486	10.5%	370	57-43
		WEST	4460	776	17.4%	459	10.3%	447	51-49
		EAST & WEST	9070	1,647	18.2%	915	10.1%		
605	MANDAN (U)	EAST	9558	1,000	10.5%	932	9.8%	680	58-42
		WEST	10191	1,302	12.8%	1230	12.1%	859	59-41
		EAST & WEST	19749	2,201	11.1%	2101	10.6%		
MINOR ARTERIAL-URBAN									
607	DICKINSON (U)	EAST	1541	255	16.5%	221	14.3%	147	60-40
		WEST	1601	291	18.2%	225	14.1%	75	75-25
		EAST & WEST	3142	442	14.1%	383	12.2%		
611	MINOT (U)	EAST	1596	311	19.5%	237	14.8%	128	65-35
		WEST	1830	442	24.2%	288	15.7%	122	70-30
		EAST & WEST	3426	727	21.2%	486	14.2%		
COLLECTOR URBAN									
609	MINOT (U)	EAST	1384	342	24.7%	182	13.2%	182	50-50
		WEST	1398	265	19.0%	196	14.0%	188	51-49
		EAST & WEST	2782	465	16.7%	370	13.3%		

2011 COMPARISON OF VEHICLE MILES TO RURAL ROAD MILES

Vehicle Miles Traveled



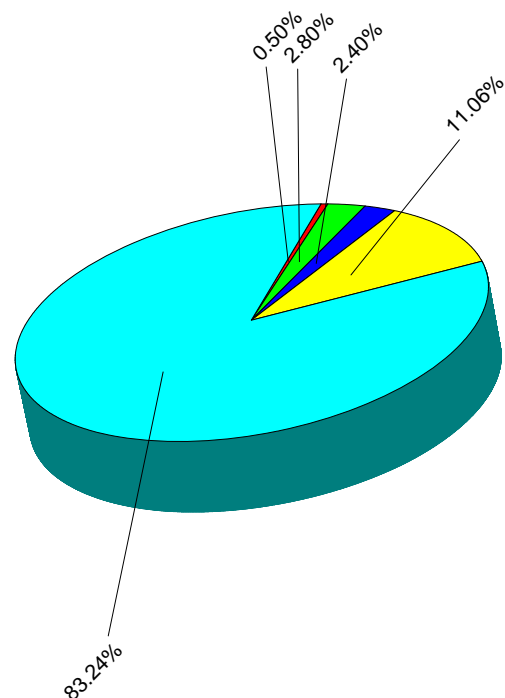
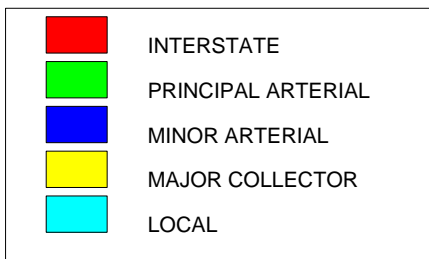
Interesting facts:

--Local roads comprise 83.24% of the roads in the state but only carry 16.14% of the traffic.

--Interstates comprise less than 1% of the roads but carry 23.73% of the traffic.

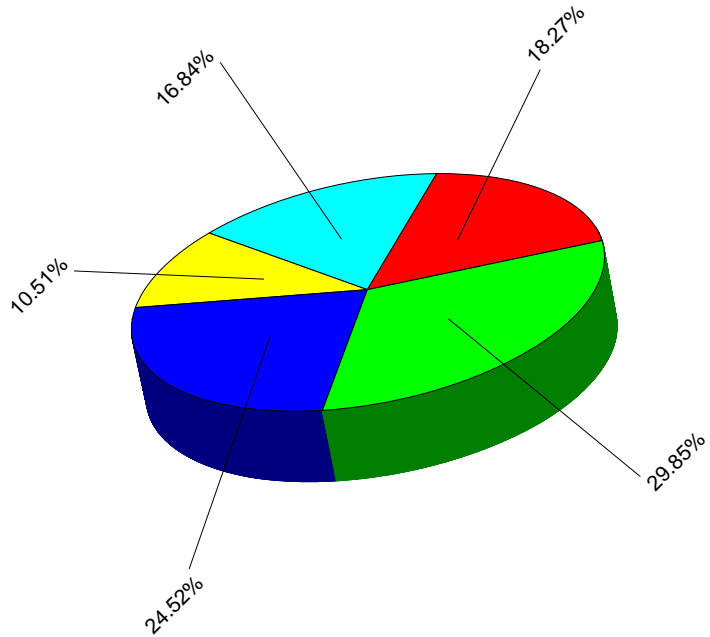
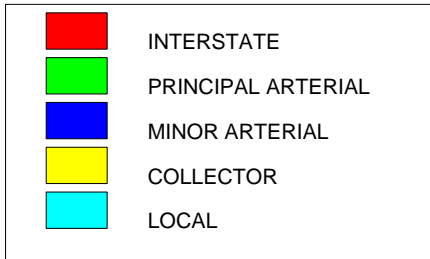
--Principal Arterials comprise only 2.8% of the roads but carry 32.87% of the traffic.

Road Miles



2011 COMPARISON OF VEHICLE MILES TO URBAN ROAD MILES

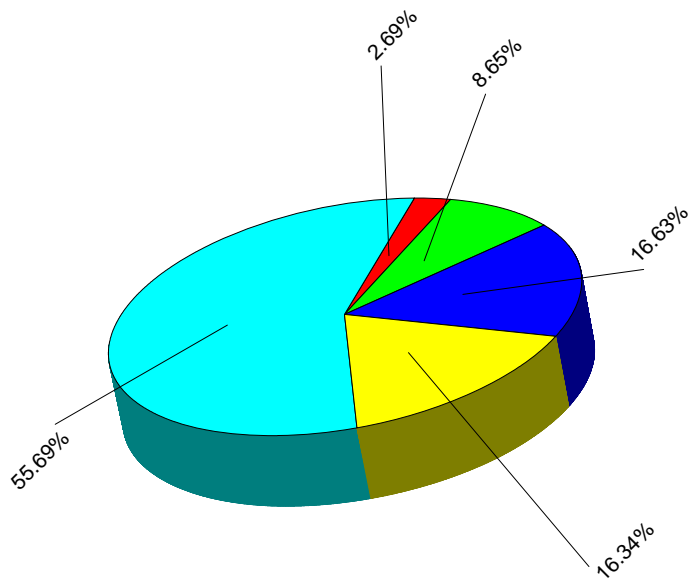
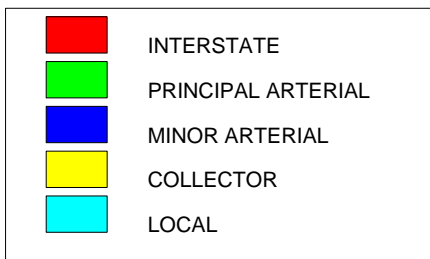
Vehicle Miles Traveled



Interesting fact:

--Local roads comprise 55.69% of the urban roads in the state but carry only 16.84% of the traffic.

Road Miles



**NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
SUMMARY OF 2011 EXISTING MILEAGE OF NORTH DAKOTA ROADS AND STREETS
CLASSIFIED BY SYSTEMS**

SYSTEM	SURFACED MILEAGE			UNSURFACED MILEAGE		TOTALS	NHS HARD SURFACES
	HARD SURFACES			GRADED/ DRAINED	UNIMPROVED ROADS		
	BITUMINOUS	CONCRETE	GRAVEL				
STATE							
INTERSTATE RURAL	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	419.3	0.0	0.0	0.0	571.0	571.0
PRINCIPAL ARTERIAL RURAL	2,813.4	116.2	0.0	0.0	0.0	2,929.5	2,085.2
PRINCIPAL ARTERIAL URBAN	94.9	46.6	0.0	0.0	0.0	141.5	65.9
TOTAL	2,908.2	162.7	0.0	0.0	0.0	3,071.0	2,151.1
MINOR ARTERIAL RURAL	2,514.4	1.5	0.0	0.0	0.0	2,515.8	
MINOR ARTERIAL URBAN	7.1	2.4	0.0	0.0	0.0	9.5	
TOTAL	2,521.5	3.9	0.0	0.0	0.0	2,525.3	
MAJOR COLLECTOR	1,158.2	6.3	0.0	0.0	0.0	1,164.4	
TOTAL	1,158.2	6.3	0.0	0.0	0.0	1,164.4	
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	6,782.6	592.2	0.5	0.0	0.0	7,375.3	2,722.1
COUNTY							
MAJOR COLLECTOR RURAL	4,447.4	50.5	5,650.9	3.0	1.5	10,153.3	
MAJOR COLLECTOR CITY	194.5	4.4	68.6	0.1	0.0	267.7	
TOTAL	4,642.0	54.9	5,719.6	3.1	1.5	10,421.0	
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	1,060.4	35.7	52,336.1	6,342.9	25,192.0	84,967.1	
LOCAL ROADS CITY	1,043.2	3.9	970.9	42.3	122.8	2,183.2	
TOTAL	2,103.5	39.6	53,307.0	6,385.2	25,314.9	87,150.3	
TOTAL COUNTY SYSTEM	6,748.0	94.5	59,026.6	6,388.3	25,316.4	97,573.8	2.5
URBAN							
PRINCIPAL ARTERIAL	10.6	14.6	0.0	0.0	0.0	25.2	
MINOR ARTERIAL	235.6	50.8	24.3	0.4	0.0	311.0	
COLLECTOR	243.1	46.1	24.7	0.0	1.0	314.8	
LOCAL STREETS	757.1	147.4	150.3	2.3	13.2	1,070.3	
TOTAL URBAN SYSTEM	1,246.3	258.8	199.2	2.7	14.2	1,721.3	
TOTAL RURAL ROADS	13,415.4	596.4	59,027.1	6,388.3	25,316.4	104,743.6	
TOTAL CITY STREETS	1,361.5	349.2	199.2	2.7	14.2	1,926.8	
TOTAL	14,776.9	945.6	59,226.3	6,391.0	25,330.5	106,670.3	
TOTAL NHS							2,724.6

FUNCTIONAL SYSTEM MILEAGE

SYSTEM	RURAL	URBAN	TOTAL
INTERSTATE	519.3	51.7	571.0
PRINCIPAL	2,932.0	166.7	3,098.7
MINOR	2,515.8	320.5	2,836.3
COLLECTOR	11,585.5	314.8	11,900.2
LOCAL	87,191.0	1,073.1	88,264.1
TOTAL	104,743.6	1,926.8	106,670.3

2011 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	44,211	116,707	110,063	57,975	39,174	368,130
DEVILS LAKE		18,129	6,913	6,865	6,414	38,321
DICKINSON	16,346	31,999	27,110	12,581	29,870	117,905
FARGO	223,590	152,692	189,994	67,735	150,415	784,426
GRAFTON		6,869	2,453	1,433	3,595	14,350
GRAND FORKS	14,800	109,581	57,031	33,815	36,318	251,546
JAMESTOWN	20,437	25,243	10,387	7,831	14,291	78,190
MANDAN	52,126	38,996	25,401	5,607	10,246	132,376
MINOT		117,687	64,081	19,388	48,705	249,861
VALLEY CITY	18,450	6,653	5,920	4,640	6,437	42,100
WAHPETON		11,649	7,242	4,769	10,506	34,167
WEST FARGO	42,466	17,474	43,297	14,669	22,730	140,636
WILLISTON		53,125	30,669	11,575	20,090	115,459
TOTAL	432,426	706,805	580,560	248,883	398,791	2,367,466

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

2011 RURAL ANNUAL VEHICLE MILES OF TRAVEL BY FUNCTIONAL CLASS

(VEHICLE MILES OF TRAVEL SHOWN IN THOUSANDS)

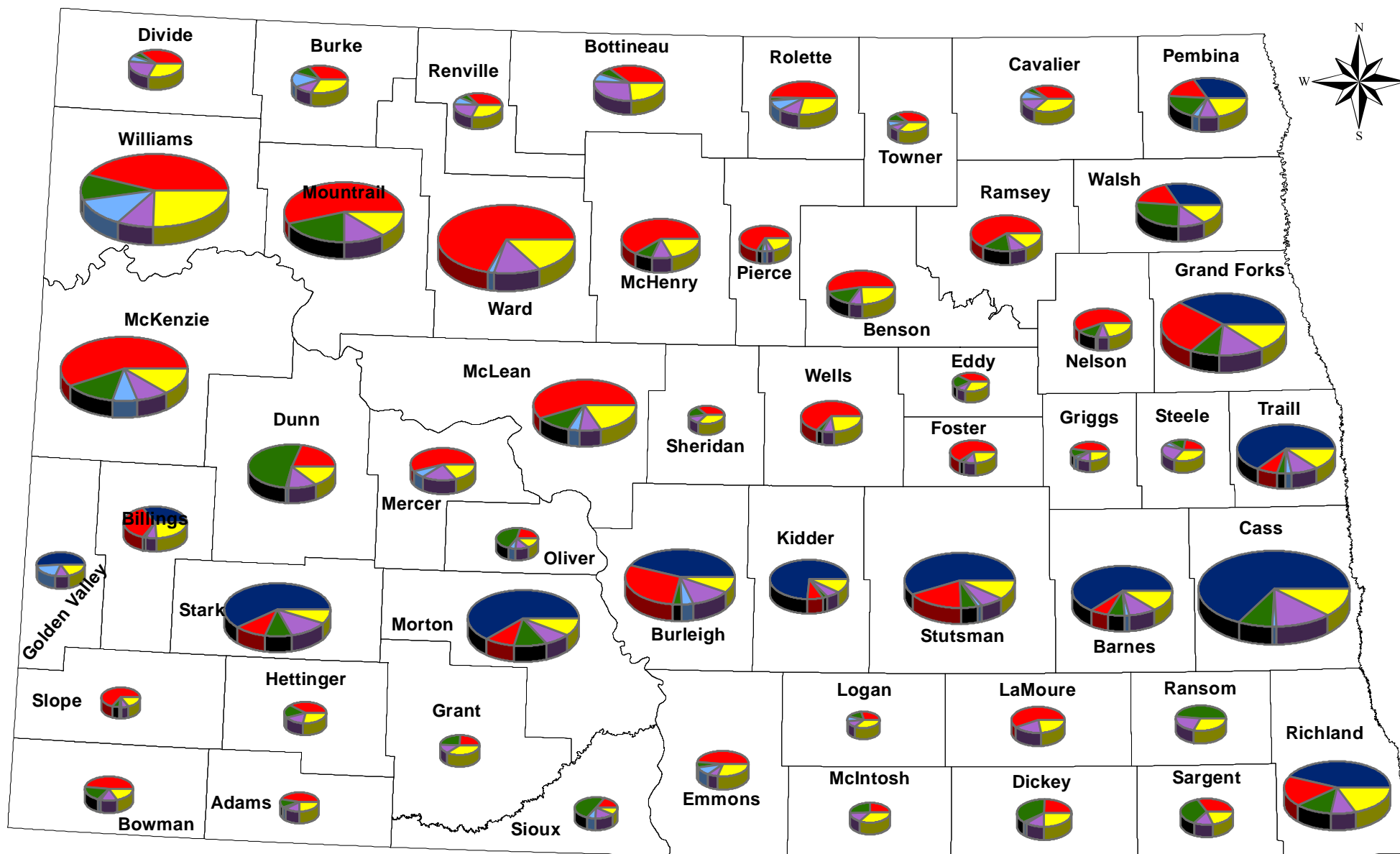
COUNTY	INTERSTATE	PRINCIPAL ARTERIAL	MINOR ARTERIAL	STATE MAJOR COLLECTOR	COUNTY MAJOR COLLECTOR	LOCAL ROADS	TOTAL
ADAMS		14,888	3,367	945	5,016	8,098	32,314
BARNES	130,104	14,724	15,662	4,552	22,678	23,342	211,062
BENSON		51,658	13,788	247	8,384	23,350	97,426
BILLINGS	28,620	27,538	1,602		6,691	20,564	85,015
BOTTINEAU		39,640	6,178	6,249	28,783	25,210	106,060
BOWMAN		23,666	8,257	1,165	7,560	8,392	49,040
BURKE		22,906	6,767	8,681	7,644	21,523	67,521
BURLEIGH	115,395	69,762	9,853	12,200	32,256	17,912	257,378
CASS	314,302		46,095	6,505	69,989	47,205	484,095
CAVALIER		22,104	2,988	4,665	7,592	21,115	58,464
DICKEY		15,715	21,868	1,157	8,656	16,137	63,532
DIVIDE		23,162	3,097	3,676	12,584	19,157	61,676
DUNN		32,304	82,653	2,179	22,492	20,497	160,125
EDDY		11,349	5,037		2,747	8,967	28,100
EMMONS		27,323	2,823	5,163	4,761	16,641	56,711
FOSTER		28,133	1,767		5,034	10,201	45,134
GOLDEN VALLEY	24,910			9,140	6,124	8,336	48,510
GRAND FORKS	133,079	76,782	31,740	1,537	49,603	38,293	331,036
GRANT		8,189	8,107		3,891	12,861	33,048
GRIGGS		14,782	3,386	1,209	4,361	7,796	31,534
HETTINGER		15,248	5,934		6,424	10,623	38,230
KIDDER	95,514	11,528	2,730		7,557	11,690	129,020
LAMOURE		33,171	410	412	12,132	13,115	59,239
LOGAN		6,403	3,753	1,587	2,432	8,382	22,558
MC HENRY		78,587	11,551	998	15,026	23,790	129,952
MC INTOSH		8,402	8,724		4,843	12,224	34,193
MC KENZIE		194,619	49,007	29,715	32,873	36,881	343,095
MC LEAN		126,093	26,096	10,625	20,712	40,255	223,782
MERCER		50,004	774	5,627	19,778	14,821	91,005
MORTON	157,594	27,752	33,125	2,591	20,418	20,792	262,272
MOUNTRAIL		162,583	60,794	2,595	41,314	32,770	300,056
NELSON		40,264	8,581	1,172	5,932	14,314	70,264
OLIVER		8,061	17,044	2,705	5,087	4,999	37,896
PEMBINA	42,365	20,297	22,229	4,965	14,299	24,134	128,289
PIERCE		37,389	2,818	2,078	3,042	9,925	55,252
RAMSEY		64,586	17,824		9,971	13,989	106,370
RANSOM			26,270		10,971	17,109	54,349
RENVILLE		17,269	3,153	3,865	9,724	15,153	49,163
RICHLAND	106,795	33,475	31,629		24,824	40,842	237,566
ROLETTE		47,037	1,992	7,688	11,443	26,550	94,709
SARGENT		19,007	17,851		9,040	11,389	57,287
SHERIDAN		9,659	4,039	240	3,171	9,255	26,364
SIOUX		6,354	19,202	3,360	6,748	3,309	38,972
SLOPE		21,129	2,283	751	2,648	5,110	31,920
STARK	141,949	26,410	26,815		30,188	15,752	241,114
STEELE		8,541	6,045	2,020	8,198	12,889	37,694
STUTSMAN	145,547	49,423	16,971	4,452	19,129	22,656	258,178
TOWNER		13,013	3,566	2,273	2,964	12,260	34,077
TRAILL	127,372	17,440	7,529	5,468	22,364	23,562	203,735
WALSH	49,968	25,605	40,084	1,316	20,104	19,412	156,489
WARD		273,856		7,928	57,686	57,915	397,384
WELLS		50,601	3,161	739	6,668	18,062	79,231
WILLIAMS		206,324	38,456	51,032	47,750	117,776	461,338
TOTAL	1,613,515	2,234,755	795,471	225,475	832,304	1,097,300	6,798,820

2011 ANNUAL VEHICLE MILES OF TRAVEL BY COUNTY

(VEHICLE MILES OF TRAVEL SHOWN IN THOUSANDS)

COUNTY	RURAL	URBAN	COUNTY TOTAL	PERCENT OF STATE TRAVEL
ADAMS	32,314		32,314	0.35%
BARNES	211,062	42,100	253,161	2.76%
BENSON	97,426		97,426	1.06%
BILLINGS	85,015		85,015	0.93%
BOTTINEAU	106,060		106,060	1.16%
BOWMAN	49,040		49,040	0.54%
BURKE	67,521		67,521	0.74%
BURLEIGH	257,378	368,130	625,508	6.82%
CASS	484,095	925,062	1,409,157	15.37%
CAVALIER	58,464		58,464	0.64%
DICKEY	63,532		63,532	0.69%
DIVIDE	61,676		61,676	0.67%
DUNN	160,125		160,125	1.75%
EDDY	28,100		28,100	0.31%
EMMONS	56,711		56,711	0.62%
FOSTER	45,134		45,134	0.49%
GOLDEN VALLEY	48,510		48,510	0.53%
GRAND FORKS	331,036	251,546	582,581	6.36%
GRANT	33,048		33,048	0.36%
GRIGGS	31,534		31,534	0.34%
HETTINGER	38,230		38,230	0.42%
KIDDER	129,020		129,020	1.41%
LAMOURE	59,239		59,239	0.65%
LOGAN	22,558		22,558	0.25%
MC HENRY	129,952		129,952	1.42%
MC INTOSH	34,193		34,193	0.37%
MC KENZIE	343,095		343,095	3.74%
MC LEAN	223,782		223,782	2.44%
MERCER	91,005		91,005	0.99%
MORTON	262,272	132,376	394,648	4.31%
MOUNTRAIL	300,056		300,056	3.27%
NELSON	70,264		70,264	0.77%
OLIVER	37,896		37,896	0.41%
PEMBINA	128,289		128,289	1.40%
PIERCE	55,252		55,252	0.60%
RAMSEY	106,370	38,321	144,690	1.58%
RANSOM	54,349		54,349	0.59%
RENVILLE	49,163		49,163	0.54%
RICHLAND	237,566	34,167	271,733	2.96%
ROLETTE	94,709		94,709	1.03%
SARGENT	57,287		57,287	0.62%
SHERIDAN	26,364		26,364	0.29%
SIOUX	38,972		38,972	0.43%
SLOPE	31,920		31,920	0.35%
STARK	241,114	117,905	359,018	3.92%
STEELE	37,694		37,694	0.41%
STUTSMAN	258,178	78,190	336,368	3.67%
TOWNER	34,077		34,077	0.37%
TRAILL	203,735		203,735	2.22%
WALSH	156,489	14,350	170,839	1.86%
WARD	397,384	249,861	647,245	7.06%
WELLS	79,231		79,231	0.86%
WILLIAMS	461,338	115,459	576,797	6.29%
TOTAL	6,798,820	2,367,466	9,166,286	100.00%

2011 RURAL ANNUAL VEHICLE MILES OF TRAVEL BY FUNCTIONAL CLASSIFICATION



(44)

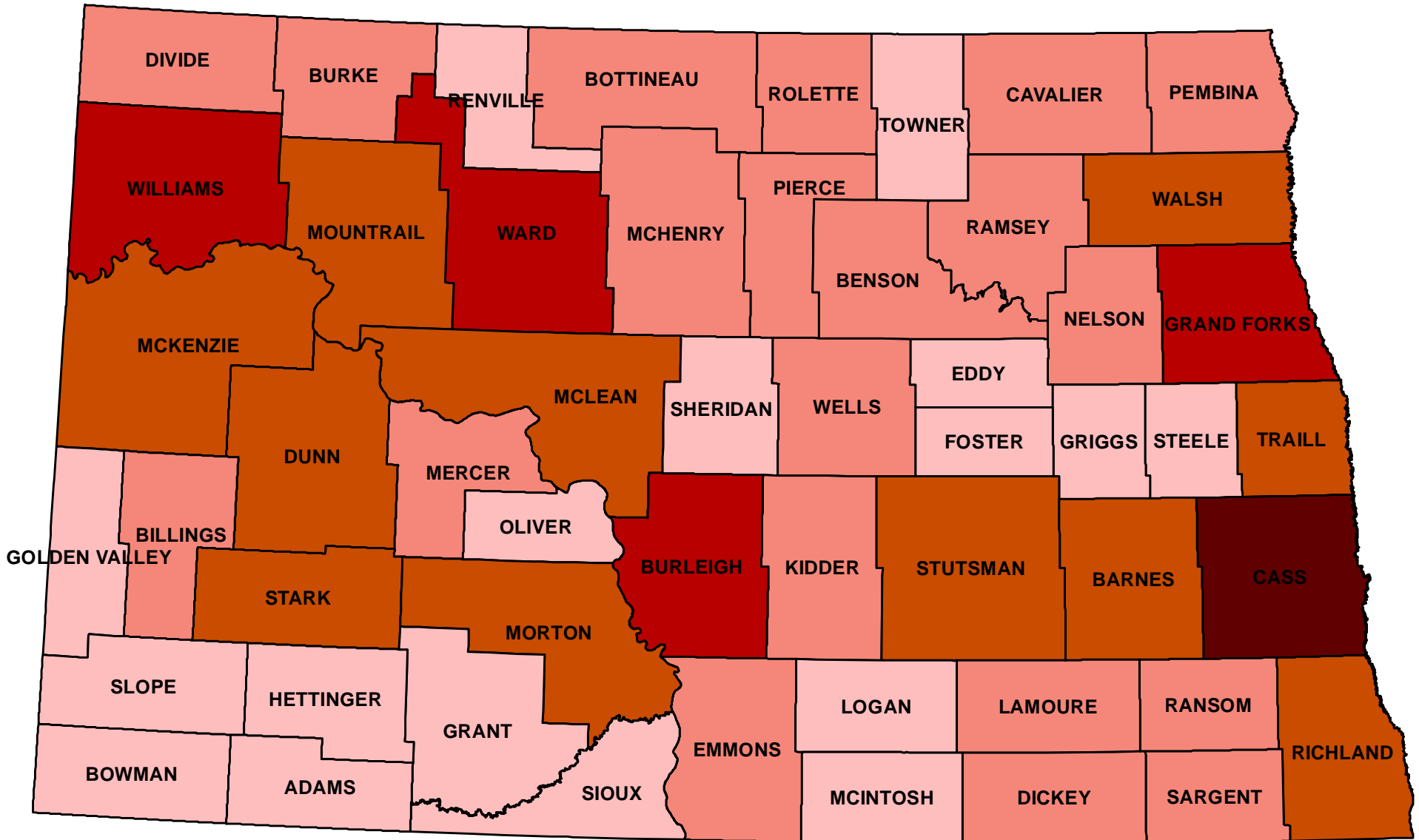
FUNCTIONAL CLASSES

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

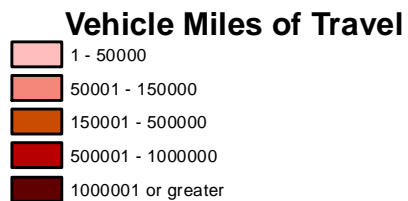
NOTES: - Data from page 42 of this report.
 - The size of each individual pie chart is representative of the total VMT in that county.

Planning & Asset Management Division
 Roadway Data
 December 2011

2011 TOTAL ANNUAL VEHICLE MILES OF TRAVEL



(45)



NOTES: - Data from page 43 of this report.
 - Vehicle miles of travel shown in thousands.

Planning & Asset Management Division
 Roadway Data Section
 December 2011

Daily Truck VMT for Statewide

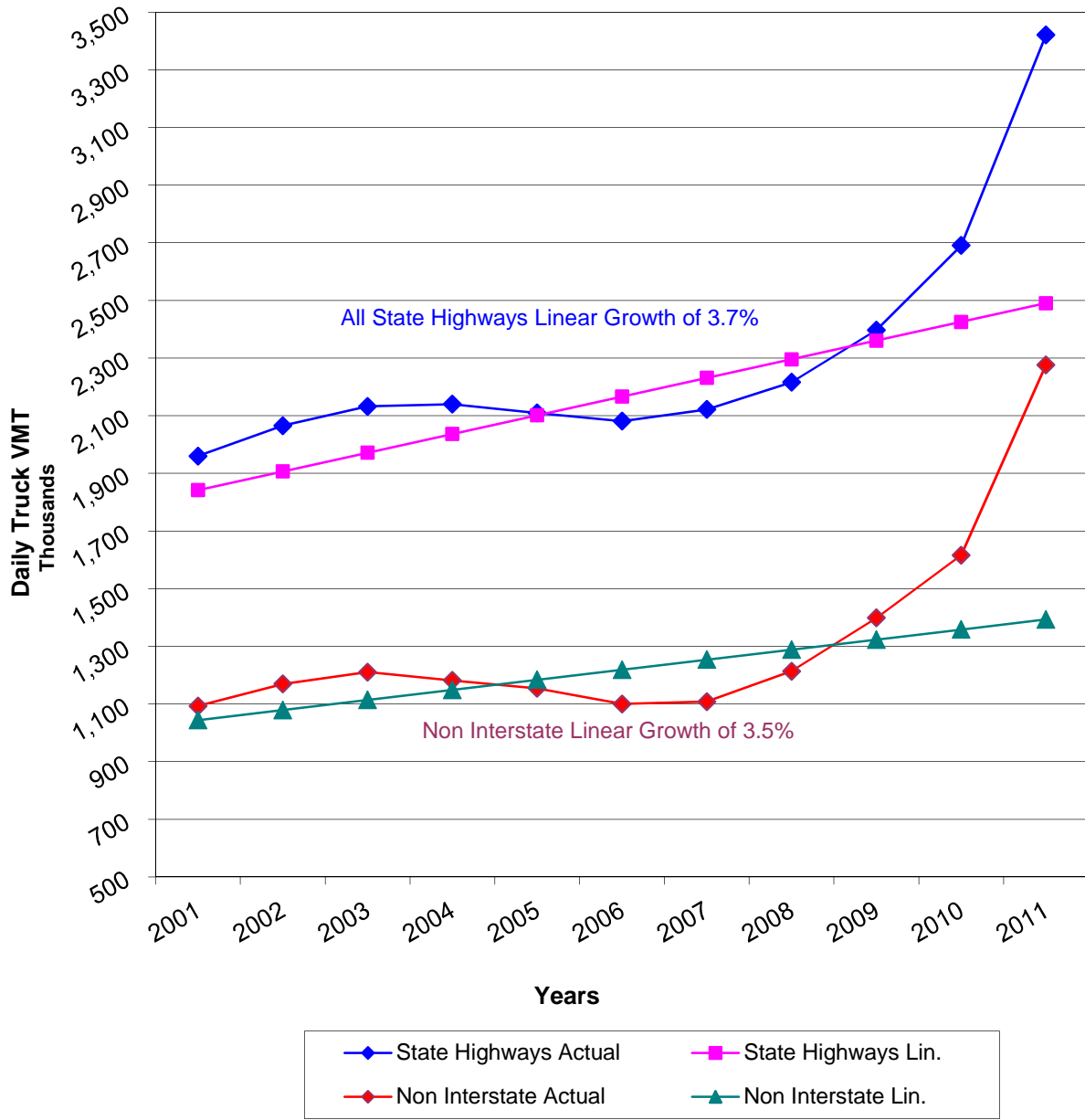
All State Highways

Years	Total Daily VMT	Total Daily Truck VMT	<i>Linear Estimated</i> Total Daily Truck VMT	% Total Trucks	% Combination Trucks
1996	10,705,880	1,543,728	1,517,768	14.42%	10.42%
1997	11,300,983	1,611,725	1,582,603	14.26%	10.26%
1998	12,318,386	1,685,090	1,647,438	13.68%	9.68%
1999	12,280,850	1,734,787	1,712,272	14.13%	10.13%
2000	12,161,423	1,784,956	1,777,107	14.68%	10.68%
2001	12,069,946	1,959,965	1,841,942	16.24%	12.24%
2002	12,372,609	2,065,392	1,906,776	16.69%	12.69%
2003	12,584,059	2,132,255	1,971,611	16.94%	12.94%
2004	12,834,849	2,139,703	2,036,446	16.67%	12.67%
2005	12,843,726	2,109,678	2,101,281	16.43%	12.43%
2006	12,864,635	2,081,109	2,166,115	16.18%	12.18%
2007	13,143,830	2,121,611	2,230,950	16.14%	12.14%
2008	13,070,318	2,216,080	2,295,785	16.96%	12.96%
2009	13,924,765	2,397,242	2,360,619	17.22%	13.22%
2010	14,820,481	2,690,766	2,425,454	18.16%	14.16%
2011	16,243,388	3,420,858	2,490,289	21.06%	17.06%
2026			3,462,809		

Non Interstate Highways

Years	Total Daily VMT	Total Daily Truck VMT	<i>Linear Estimated</i> Total Daily Truck VMT	% Total Trucks	% Combination Trucks
1996	6,934,651	870,869	868,678	12.56%	9.56%
1997	7,415,950	911,149	903,651	12.29%	9.29%
1998	8,278,749	968,340	938,625	11.70%	8.70%
1999	8,221,039	992,840	973,599	12.08%	9.08%
2000	7,987,867	995,695	1,008,572	12.47%	9.47%
2001	7,872,873	1,092,789	1,043,546	13.88%	10.88%
2002	7,998,087	1,169,617	1,078,519	14.62%	11.62%
2003	8,063,953	1,210,348	1,113,493	15.01%	12.01%
2004	8,106,756	1,181,721	1,148,466	14.58%	11.58%
2005	8,161,190	1,154,376	1,183,440	14.14%	11.14%
2006	8,177,826	1,100,032	1,218,414	13.45%	10.45%
2007	8,131,192	1,108,160	1,253,387	13.63%	10.63%
2008	8,242,828	1,213,812	1,288,361	14.73%	11.73%
2009	8,831,321	1,398,467	1,323,334	15.84%	12.84%
2010	9,480,532	1,616,106	1,358,308	17.05%	14.05%
2011	10,638,070	2,276,547	1,393,282	21.40%	18.40%
2026			1,917,885		

Daily Truck VMT for Statewide



Daily Truck VMT for Interstate

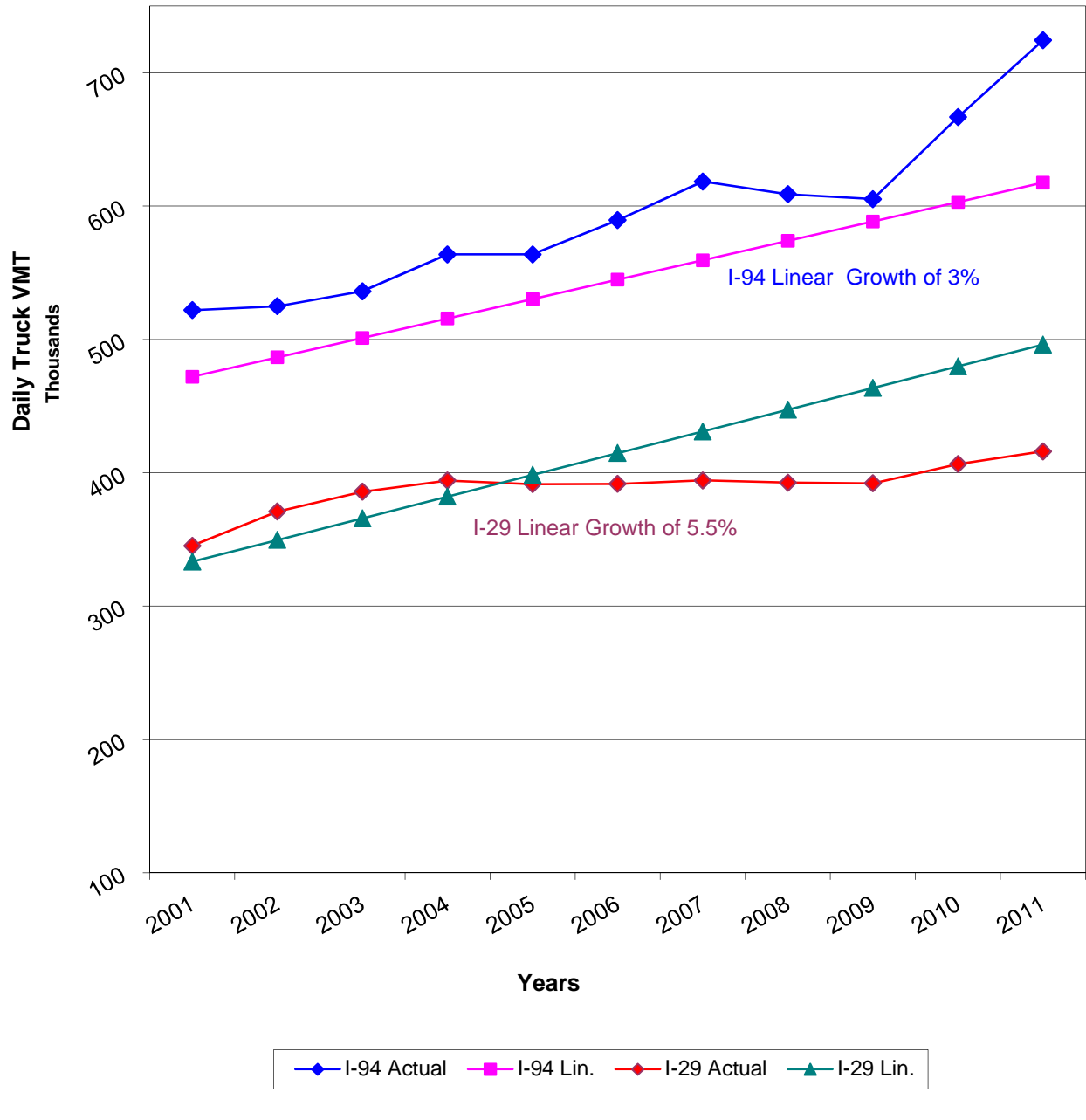
I - 94

Years	Total Daily VMT	Total Daily Truck VMT	<i>Linear Estimated</i> Total Daily Truck VMT	% Total Trucks	% Combination Trucks
1996	2,299,132	402,978	399,265	17.53%	13.53%
1997	2,375,641	416,695	413,823	17.54%	13.54%
1998	2,509,630	422,330	428,381	16.83%	12.83%
1999	2,433,087	446,754	442,940	18.36%	14.36%
2000	2,556,535	470,392	457,498	18.40%	14.40%
2001	2,526,691	521,943	472,057	20.66%	16.66%
2002	2,635,093	524,858	486,615	19.92%	15.92%
2003	2,692,975	536,105	501,174	19.91%	15.91%
2004	2,860,897	563,806	515,732	19.71%	15.71%
2005	2,821,424	563,819	530,291	19.98%	15.98%
2006	2,798,960	589,420	544,849	21.06%	17.06%
2007	3,017,981	618,409	559,407	20.49%	16.49%
2008	2,850,232	608,886	573,966	21.36%	17.36%
2009	3,023,712	605,289	588,524	20.02%	16.02%
2010	3,234,497	666,693	603,083	20.61%	16.61%
2011	3,521,263	724,509	617,641	20.58%	16.58%
2026			836,018		

I - 29

Years	Total Daily VMT	Total Daily Truck VMT	<i>Linear Estimated</i> Total Daily Truck VMT	% Total Trucks	% Combination Trucks
1996	1,450,917	268,501	251,893	18.51%	15.51%
1997	1,509,392	283,881	268,172	18.81%	15.81%
1998	1,530,007	294,420	284,451	19.24%	16.24%
1999	1,626,724	295,193	300,730	18.15%	15.15%
2000	1,617,021	318,869	317,009	19.72%	16.72%
2001	1,670,382	345,233	333,288	20.67%	17.67%
2002	1,739,429	370,917	349,567	21.32%	18.32%
2003	1,827,132	385,802	365,846	21.12%	18.12%
2004	1,867,196	394,176	382,125	21.11%	18.11%
2005	1,861,112	391,483	398,404	21.03%	18.03%
2006	1,887,849	391,657	414,683	20.75%	17.75%
2007	1,972,376	394,295	430,962	19.99%	16.99%
2008	1,954,977	392,635	447,241	20.08%	17.08%
2009	2,048,101	392,097	463,520	19.14%	16.14%
2010	2,083,822	406,578	479,799	19.51%	16.51%
2011	2,045,921	416,022	496,078	20.33%	17.33%
2026			740,264		

Daily Truck VMT for Interstate

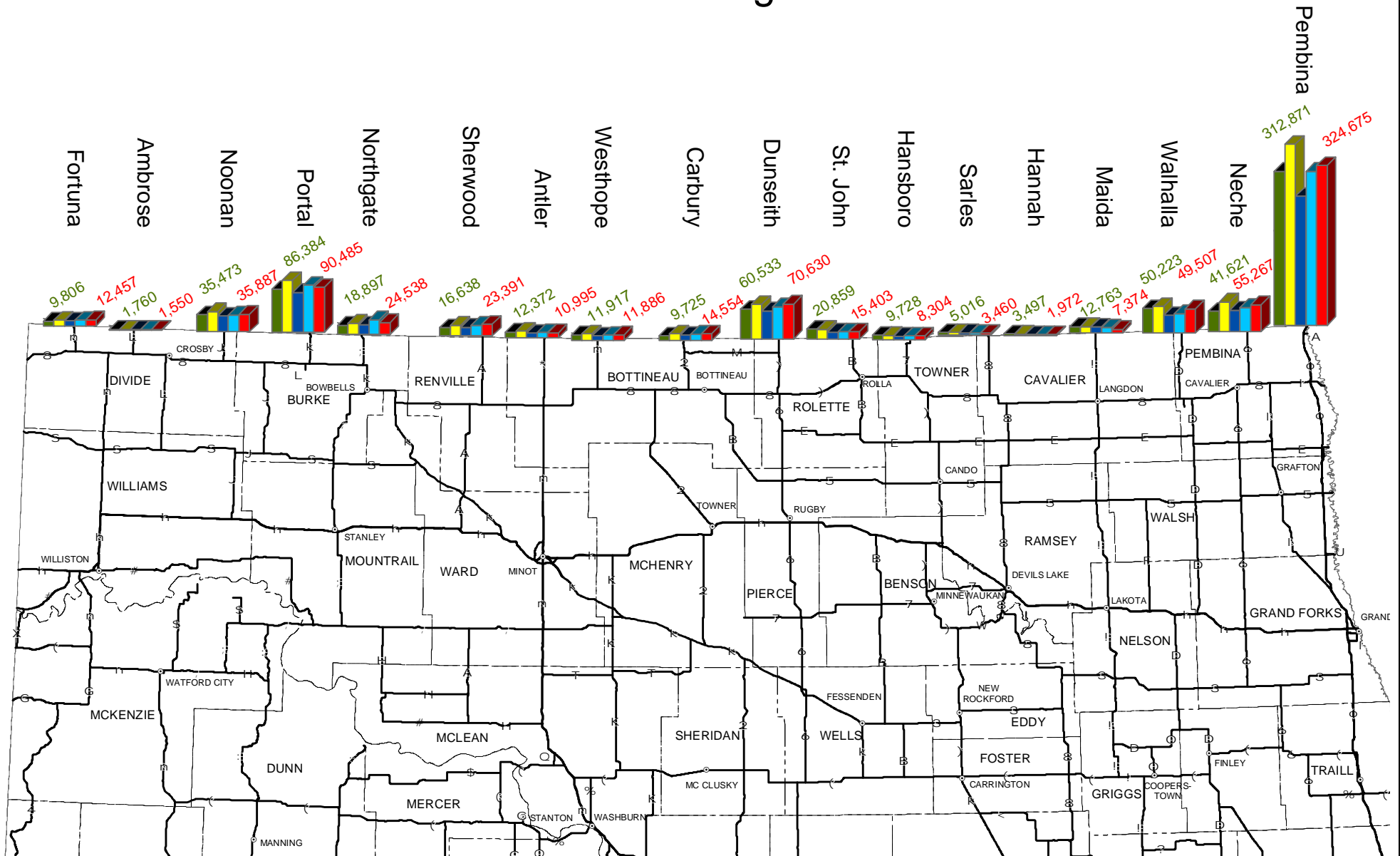


BORDER CROSSINGS
(VEHICLES ENTERING THE UNITED STATES FROM CANADA)

PORT OF ENTRY	HWY	----- AUTOMOBILES -----			----- TRUCKS -----		
		FISCAL 2010	FISCAL 2011	% CHANGE	FISCAL 2010	FISCAL 2011	% CHANGE
FORTUNA	85	12,356	12,457	0.82%	1,787	1,810	1.29%
AMBROSE	42	1,593	1,550	-2.70%	237	135	-43.04%
NOONAN	40	34,478	35,887	4.09%	6,011	2,977	-50.47%
PORTAL	52	94,974	90,485	-4.73%	80,826	77,972	-3.53%
NORTHGATE	8	29,576	24,538	-17.03%	21,285	16,907	-20.57%
SHERWOOD	28	21,167	23,391	10.51%	4,701	9,220	96.13%
ANTLER	256	11,306	10,995	-2.75%	766	545	-28.85%
WESTHOPE	83	11,135	11,886	6.74%	6,237	7,150	14.64%
CARBURY	14	13,456	14,554	8.16%	555	543	-2.16%
DUNSEITH	281	65,566	70,630	7.72%	26,706	25,646	-3.97%
ST. JOHN	30	15,444	15,403	-0.27%	1,821	846	-53.54%
HANSBORO	4	8,434	8,304	-1.54%	1,585	1,319	-16.78%
SARLES	20	3,980	3,460	-13.07%	1,139	920	-19.23%
HANNAH	CMC 1013	2,069	1,972	-4.69%	47	40	-14.89%
MAIDA	1	10,849	7,374	-32.03%	1,548	1,744	12.66%
WALHALLA	32	39,643	49,507	24.88%	14,122	12,702	-10.06%
NECHE	18	49,775	55,267	11.03%	13,512	10,019	-25.85%
PEMBINA	I-29	313,376	324,675	3.61%	199,440	207,380	3.98%
TOTAL		739,177	762,335	3.13%	382,325	377,875	-1.16%

Total Auto Volume Entering from Canada

(51)



Bar Chart Years

- 2007
- 2008
- 2009
- 2010
- 2011

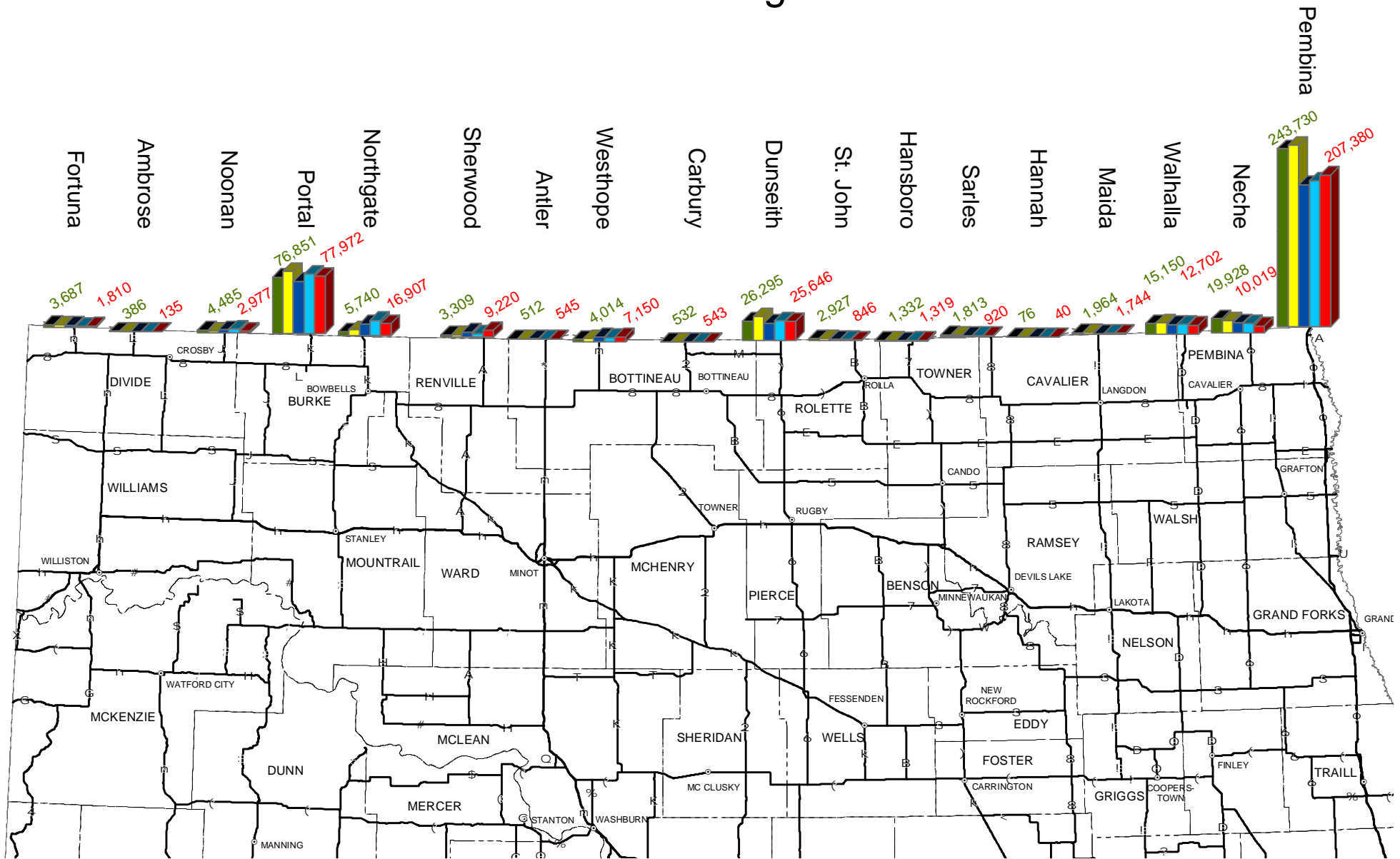
NOTE: - The size of the bar chart corresponds to total autos by border crossing.
 - The numbers given above the charts are for the years 2007 (green) and 2011 (red).
 - This border crossing data is provided by the U.S. Department of Homeland Security.
 - The reporting period was for the 2011 fiscal year which ran from Oct. 1, 2010 to Sept. 30, 2011.



Planning & Asset Management Division
 Roadway Data
 December 2011

Total Truck Volume Entering from Canada

(52)



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 2007 (green) and 2011 (red).
 - This border crossing data is provided by the U.S. Department of Homeland Security.
 - The reporting period was for the 2011 fiscal year which ran from Oct. 1, 2010 to Sept. 30, 2011.



Planning & Asset Management Division
 Roadway Data
 December 2011