

NORTH DAKOTA 2009 TRAFFIC REPORT



**North Dakota Department of Transportation
Planning and Programming Division
Roadway Data / Traffic Section**

June 2010

NORTH DAKOTA 2009 TRAFFIC REPORT

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

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June 2010

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OVERVIEW

This report contains summaries of data obtained from studies conducted in 2009 by North Dakota Department of Transportation (NDDOT) Planning and Programming 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:

Automatic traffic recorders (ATRs) continuously record hourly volumes of traffic throughout the year. The counter locations are shown on the map on page 8. A list of ATR stations and locations are presented on pages 6 and 7.

Short-term (48-hour) traffic counts obtained with portable equipment. Short-term counts were obtained at approximately 3000 locations on various highways, roads, and streets over the southwestern 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 Collection Section of the Planning and Programming 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 "**Current Traffic Information**".

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

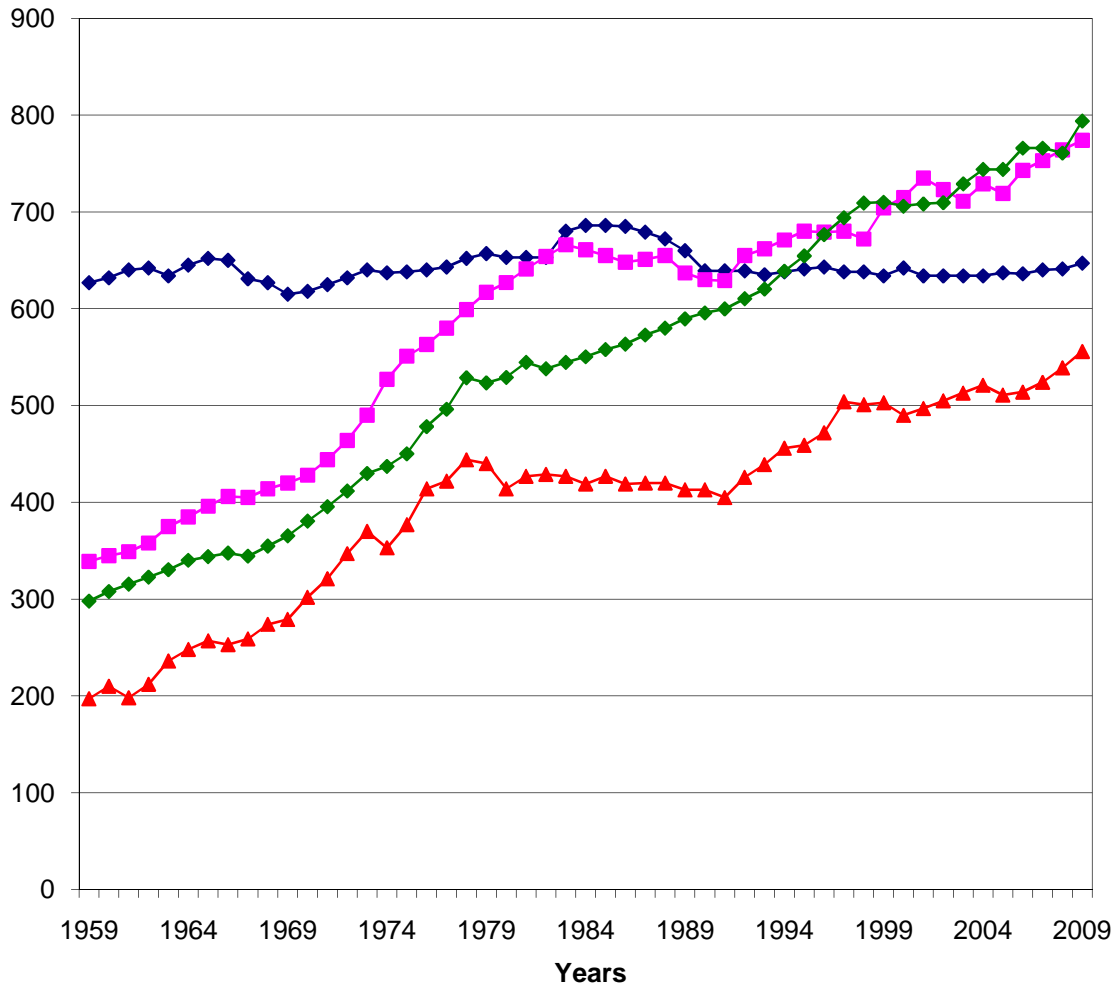
YEAR	POPULATION (1000'S)	VEHICLE REGISTRATIONS (REG.) (1000'S)	PERSONS PER VEHICLE REG.	GALLONS OF GAS AND FUEL TAXED (MILLIONS)	VEHICLE REG. PER 100 PERSONS	ANNUAL MILES PER VEHICLE	ANNUAL MILES TRAVELED PER CAPITA	ANNUAL VEHICLE MILES (MILLIONS)
1984	686	661	1.04	419	96.40	8,327	8,023	5,504
1985	686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

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.

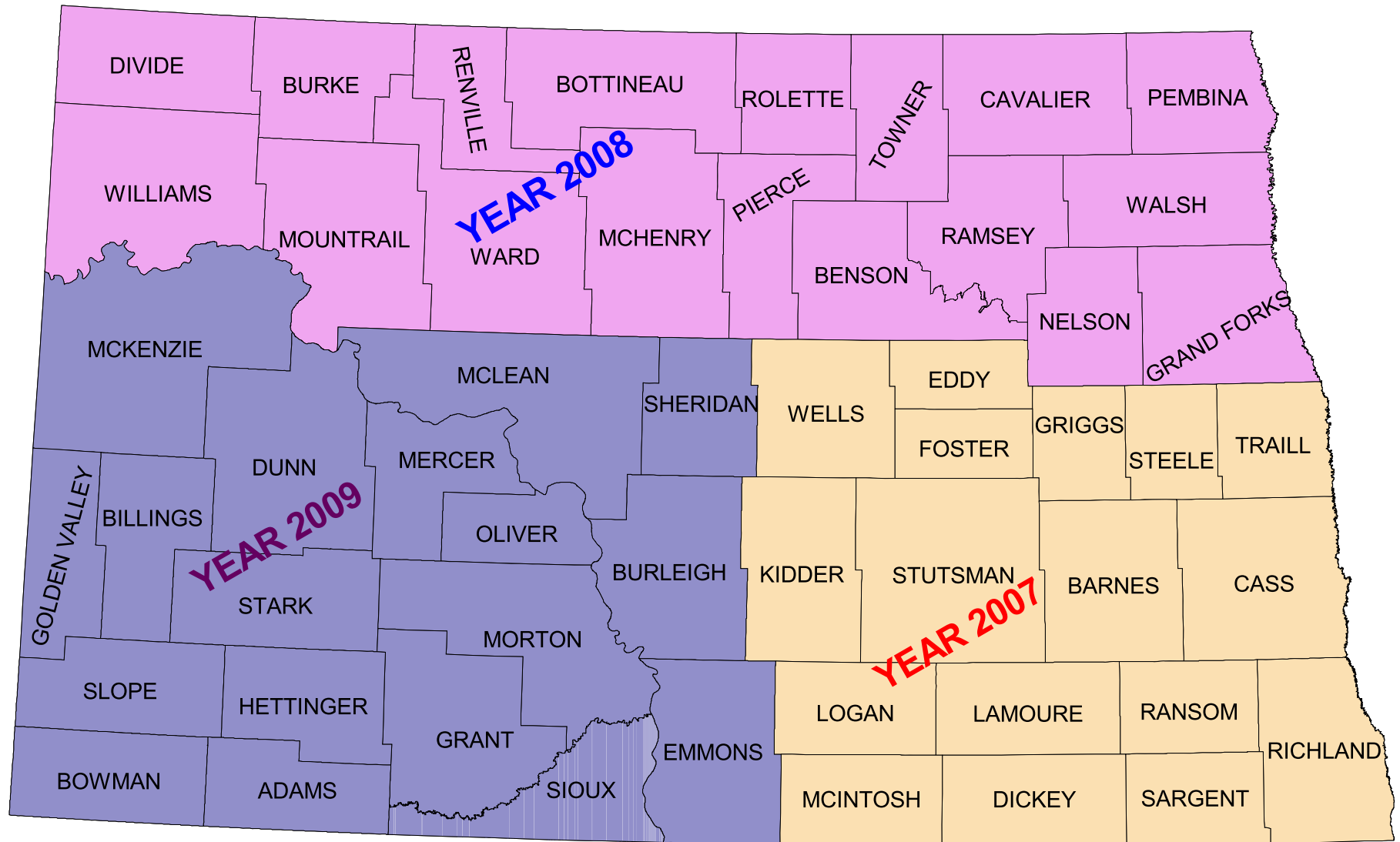
Traffic and Related Trends

For the Years 1959 - 2009



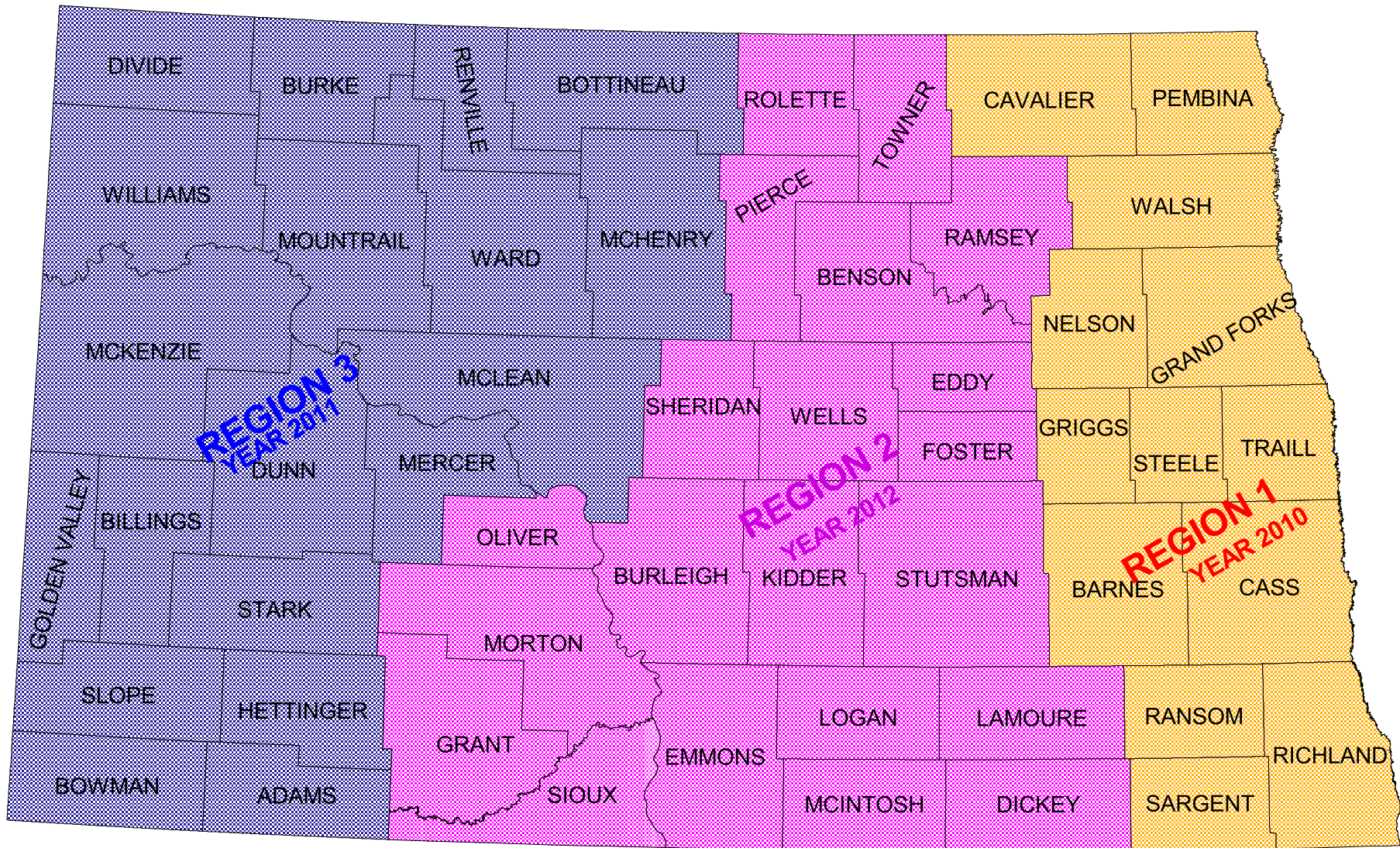
NORTH DAKOTA DEPARTMENT OF TRANSPORTATION TRAFFIC COUNTING CYCLE

OLD PLAN PRIOR TO 2010



**NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
TRAFFIC COUNTING CYCLE
NEW PLAN FOR 2010 AND BEYOND**

(9)



Planning & Programming Division
Roadway Data / Traffic Section
City Traffic Counts

CITY	YEAR COUNTED	YEAR TO COUNT
Fargo	2007	2010
West Fargo	2007	2010
Wahpeton	2007	2010
Valley City	2007	2010
Grand Forks	2008	2010
Grafton	2008	2010
Jamestown	2007	2010
Minot	2008	2011
Dickinson	2009	2011
Williston	2008	2011
Bismarck	2009	2012
Mandan	2009	2012
Devils Lake	2008	2012

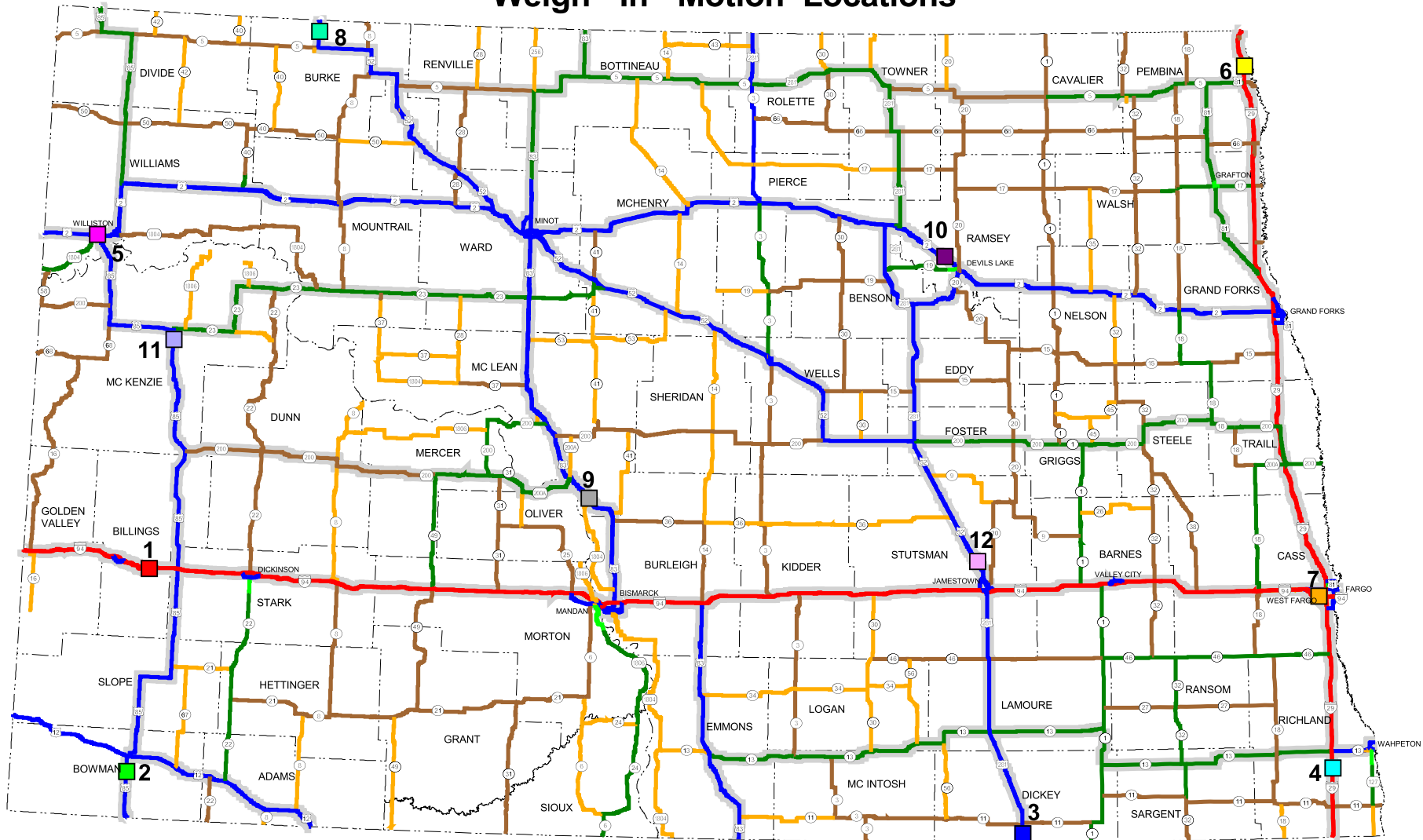
**NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
ATR LOCATIONS**

STATION	NAME	HIGHWAY	REF POINT	OFF SET	TYPE	LOCATION
URBAN INTERSTATE 94						
217	FARGO (U)	94	352.000	0.0000	Class	RED RIVER BRIDGE
283	BISMARCK (U)	94	159.000	0.0000	Class	0.4 MILES WEST OF US 83 INT.
RURAL INTERSTATE 94						
207	MEDINA	94	231.000	0.3000	Class	0.9 MILES EAST OF MEDINA
223	NEW SALEM	94	126.000	0.9000	Class	0.8 MILES WEST OF ND 31 INT.
245	TOWER CITY	94	314.000	0.0057	Class	0.9 MILES WEST OF BUFFALO
279	PAINTED CANYON	94	34.000	0.7100	Class	7.8 MILES WEST OF US 85 INT.
URBAN INTERSTATE 29						
235	FARGO (U)	29	66.255	0.5425	Class	NORTH OF 12TH AVE.
RURAL INTERSTATE 29						
211	BUXTON	29	112.000	0.8000	Class	4.0 MILES NORTH OF MAYVILLE INT.
243	BOWESMONT	29	196.014	0.5851	Class	0.5 MILES NORTH OF BOWESMONT
265	MOORETON	29	25.000	0.0000	Class	2.5 MILES NORTH OF ND 13
285	DAVENPORT	29	55.000	0.5000	Class	1.3 MILES NORTH OF DAVENPORT INT
RURAL PRINCIPAL ARTERIAL						
201	RAY	2	51.000	0.3000	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	0.2000	Class	2.1 MILES WEST OF ND 32
215	JAMESTOWN	52	259.000	0.5000	Class	2.5 MILES NORTH OF JAMESTOWN
219	MANDAN	6	55.000	0.9000	Class	11.0 MILES SOUTH OF MANDAN
221	FAIRFIELD	85	80.000	0.9000	Class	5.1 MILES NORTH OF I-94
229	COOPERSTOWN	200	345.000	0.3000	Volume	4.0 MILES EAST OF COOPERSTOWN
233	FOXHOLM	52	78.000	0.3000	Class	1.5 MILES SOUTHEAST OF FOXHOLM
237	NEKOMA	1	205.000	0.2000	Class	8.5 MILES SOUTH LANGDON
239	NEW TOWN	23	42.000	0.9000	Class	4.7 MILES EAST OF ND 22
241	BOTTINEAU	5	174.000	0.0000	Class	0.2 MILES WEST OF ND 14
251	HAGUE	83	1.000	0.1000	Volume	1.1 MILES NORTH OF SOUTH DAKOTA LINE
253	RUGBY	2	207.000	0.3000	Class	5.9 MILES WEST OF ND 3
255	CROSBY	5	28.000	0.7000	Class	5.9 MILES WEST OF ND 42
257	WILLISTON	2	2.000	0.4000	Class	2.4 MILES EAST OF MONTANA LINE
261	CARRINGTON	281	118.000	0.0481	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	0.6000	Class	2.1 MILES WEST OF ND 49
281	SAWYER	52	102.000	0.7000	Class	WEST OF SAWYER
303	MICHIGAN	2	300.000	0.5000	Class	4.0 MILES EAST OF ND 1
307	WASHBURN	83	130.000	0.6000	Class	NORTH OF WASHBURN
RURAL MINOR ARTERIAL						
231	GRAFTON	17	122.000	0.2000	Class	5.5 MILES WEST OF GRAFTON
247	COURTENAY	20	20.000	0.4000	Class	1.8 MILES SOUTH OF ND 9
249	GARRISON	37	54.000	0.8000	Class	1.0 MILES WEST OF GARRISON
275	HANNOVER	31	97.000	0.1000	Class	1.2 MILES NORTH OF HANNOVER
289	MANNING	22	81.000	0.5000	Class	SOUTH OF MANNING
RURAL MAJOR COLLECTOR-STATE						
267	TRENTON	1804	329.000	0.8500	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	0.0000	Volume	S. WASHINGTON BETWEEN 24 AND 28 AVE. S.
501	FARGO (U)	81B	925.000	0.4000	Volume	UNIVERSITY AVE. BET 15 AND 15 1/2 AVE.
601	BISMARCK (U)	83B	900.000	0.4000	Volume	7TH ST. S. SOUTH BOWEN AVE.

**NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
ATR LOCATIONS**

STATION	NAME	HIGHWAY	REF POINT	OFF SET	TYPE	LOCATION
URBAN PRINCIPAL ARTERIAL						
603	WILLISTON (U)	2B	900.000	0.7000	Volume	2ND ST. WEST OF 14TH AVE. WEST
605	MANDAN (U)	94B	917.043	0.0999	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.

Weigh - In - Motion Locations

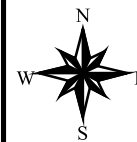


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WIM Sites

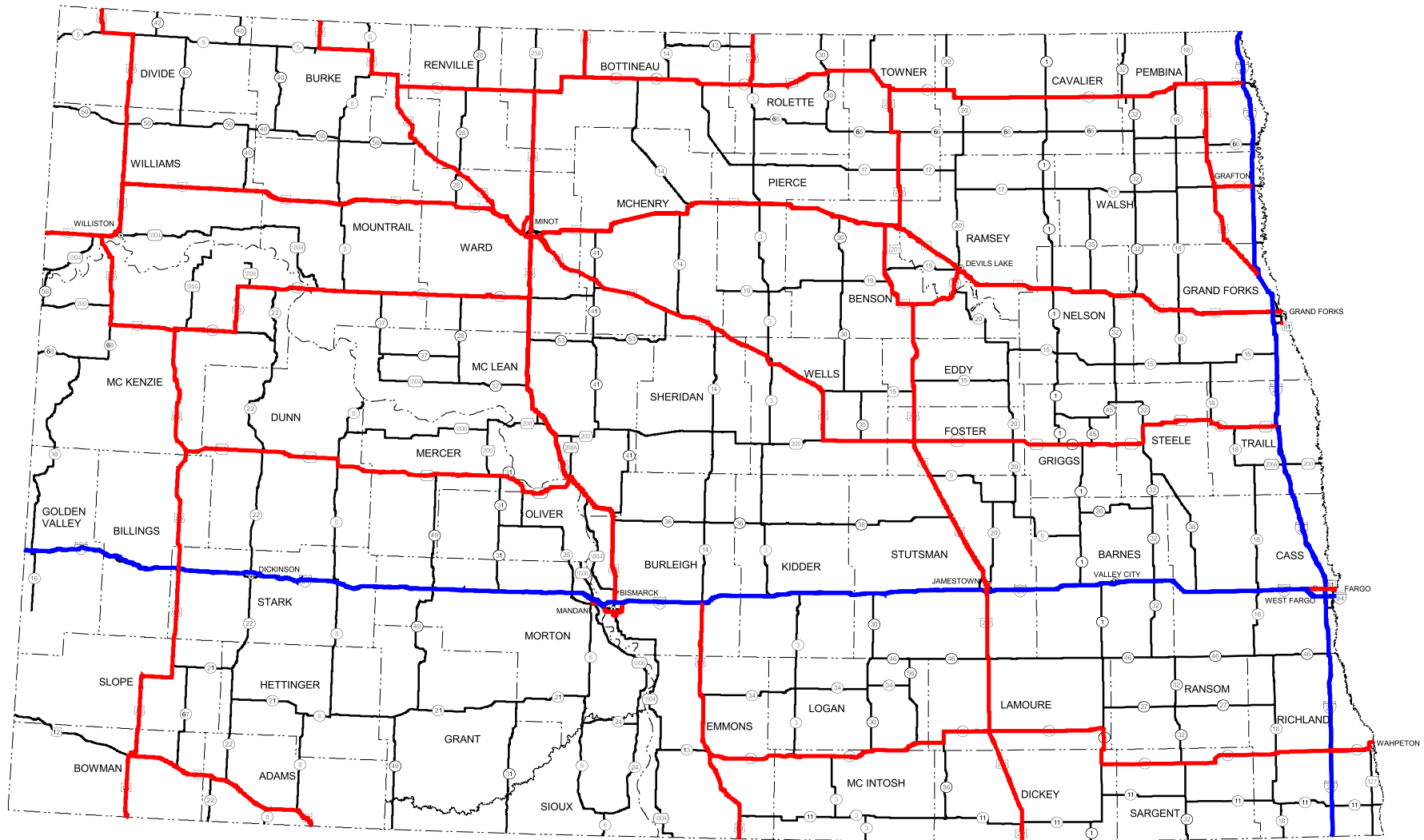
- | | |
|--|--|
| ■ 1 - Belfield | ■ 9 - Washburn |
| ■ 2 - Bowman | ■ 10 - Devils Lake |
| ■ 3 - Ellendale | ■ 11 - Watford City |
| ■ 4 - Wahpeton | ■ 12 - Jamestown |
| ■ 5 - Williston | |
| ■ 6 - Joliette | National Highway System (NHS) |
| ■ 7 - West Fargo | |
| ■ 8 - Portal | |

- Rural District Collector
- Rural District Corridor
- Rural Interstate
- Rural Interregional Corridor
- Rural State Corridor
- Urban District Collector
- Urban District Corridor
- Urban Interstate
- Urban Interregional Corridor
- Urban State Corridor



Planning & Programming Division
 Transportation Data
 December 2009

National Highway System Mileage



(12)

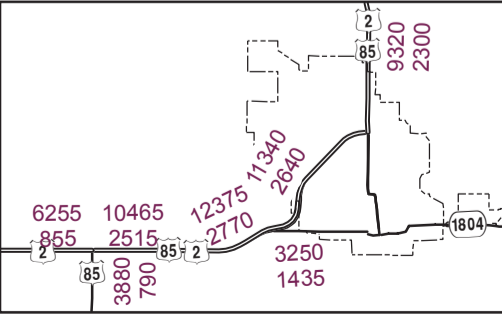
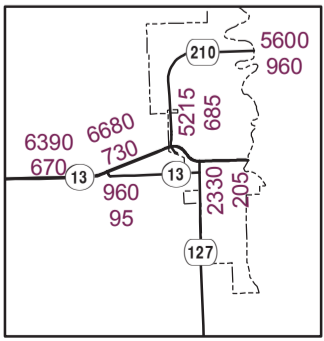
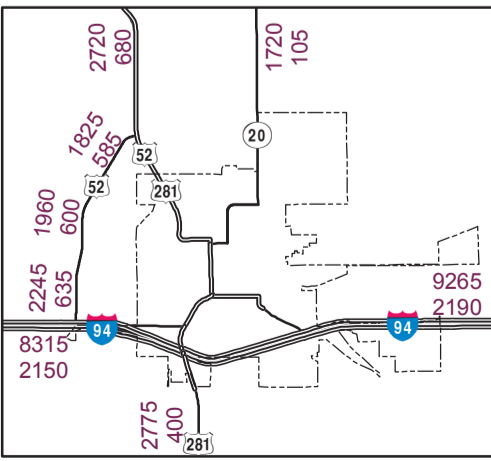
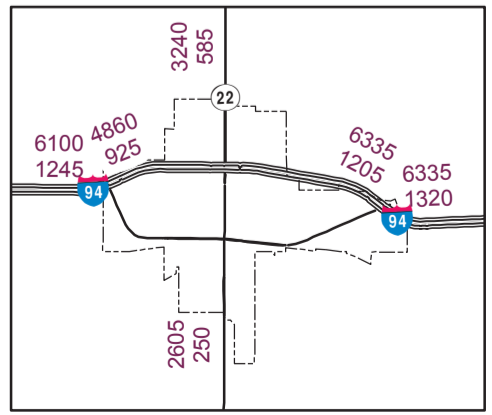
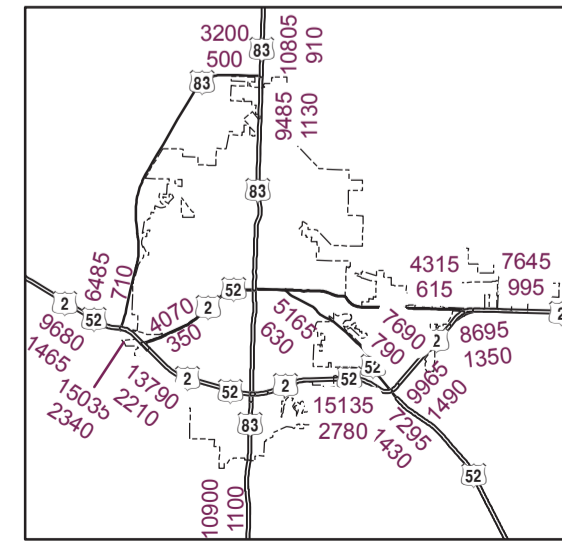
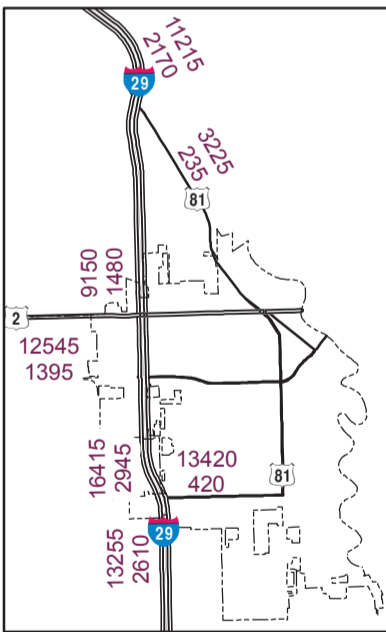
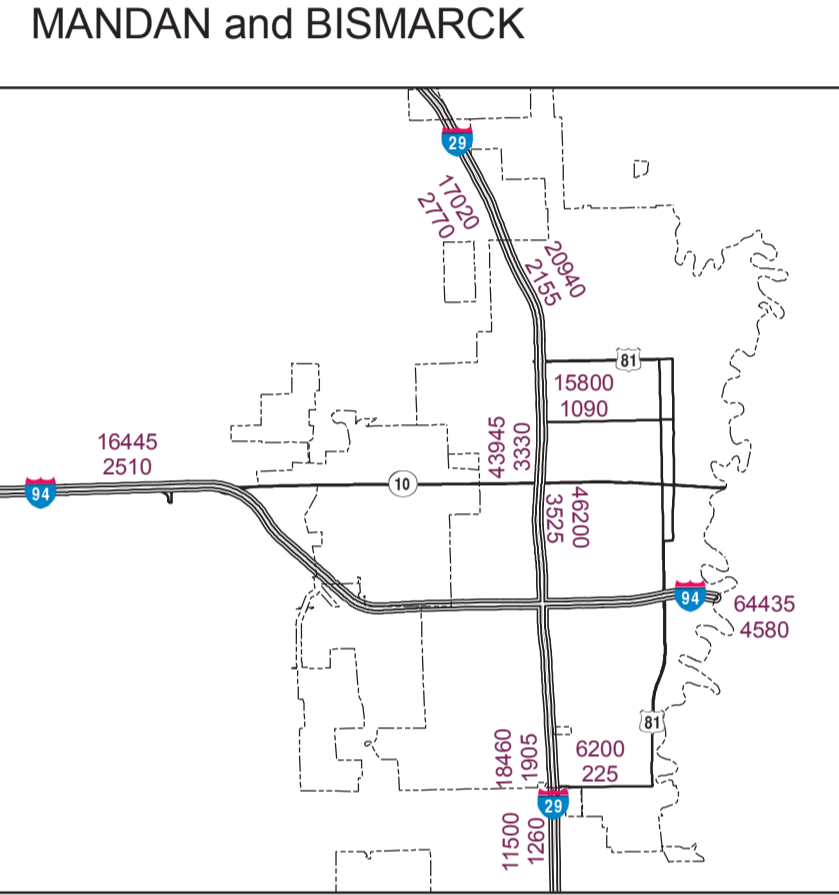
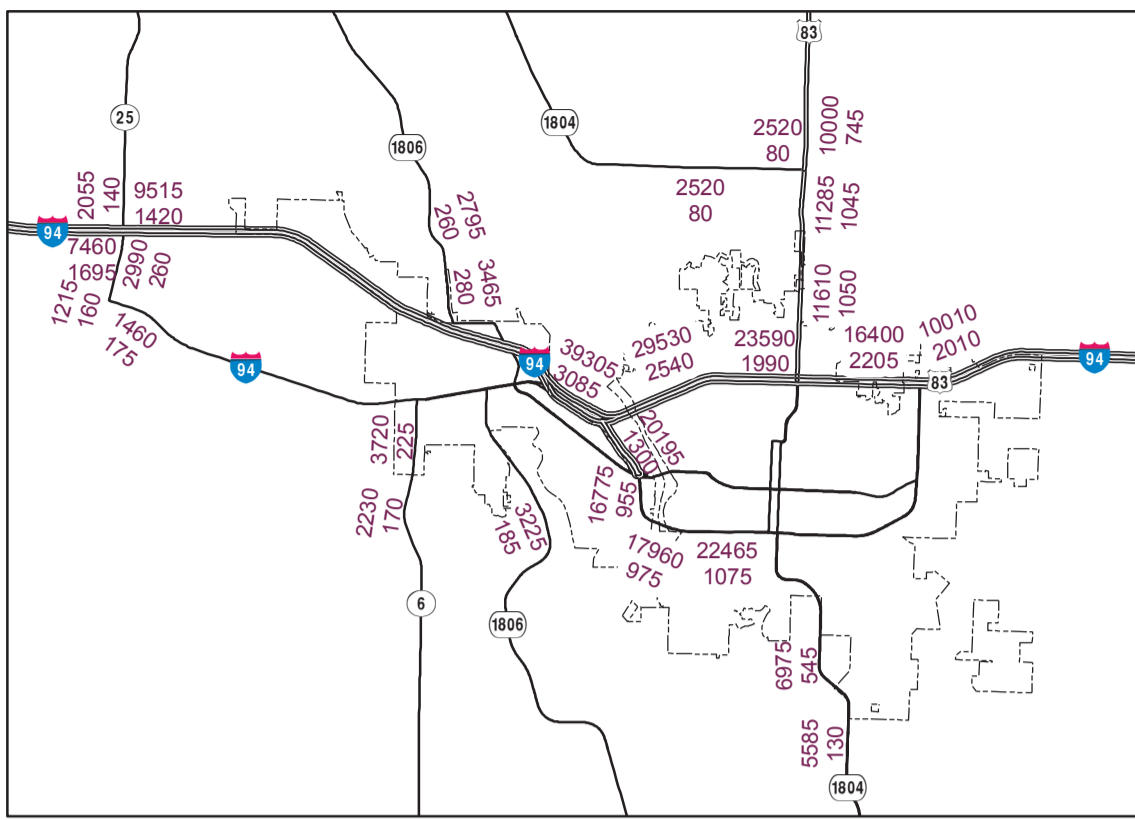
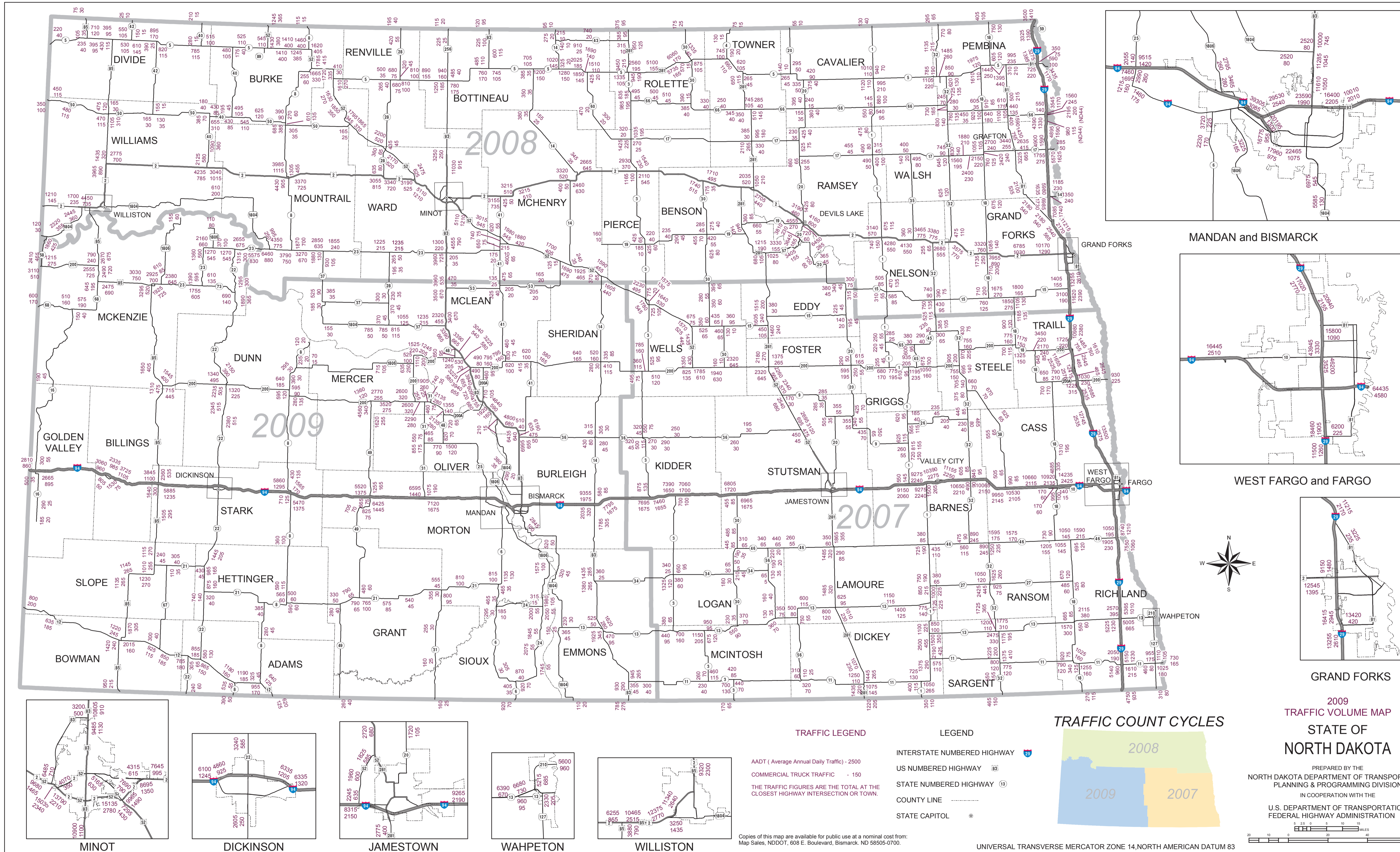
NHS Mileage

	Interstate Rural	519.3
	Interstate Urban	51.9
	Total	571.2
	Principal Art. Rur.	2085.2
	Principal Art. Urb.	65.7
	Total	2150.9
	Total NHS	2722.1

NOTES Data from Functional Class on Mainframe



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Transportation Data
December 2009

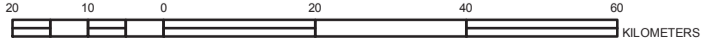


Copies of this map are available for public use at a nominal cost from:
Map Sales, NDDOT, 608 E. Boulevard, Bismarck, ND 58505-0700.

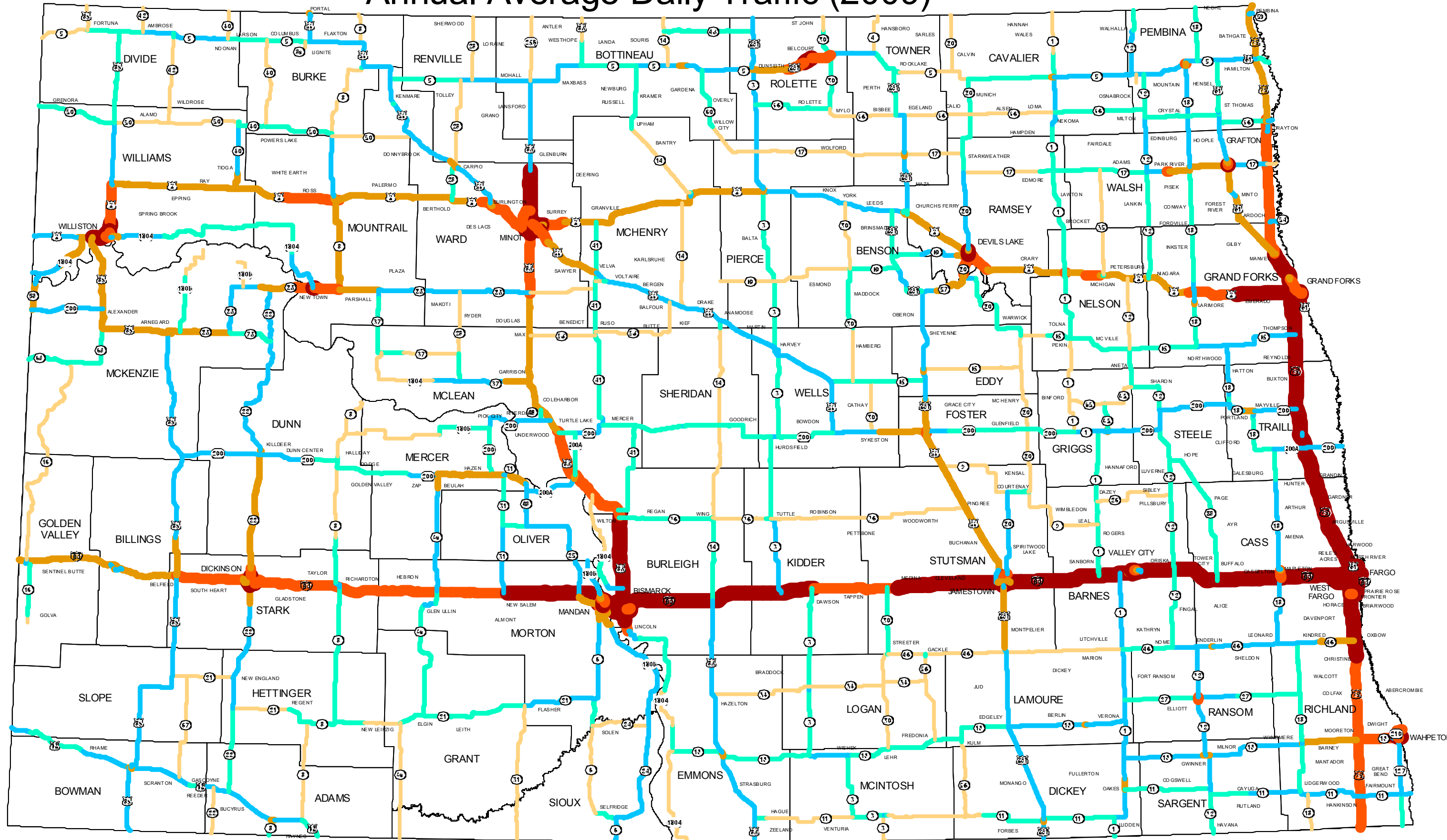
UNIVERSAL TRANSVERSE MERCATOR ZONE 14, NORTH AMERICAN DATUM 83

2009
TRAFFIC VOLUME MAP
STATE OF
NORTH DAKOTA

PREPARED BY THE
NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
PLANNING & PROGRAMMING DIVISION
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION



Annual Average Daily Traffic (2009)



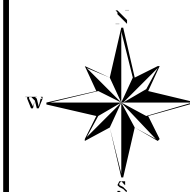
(14)

Notes: - Data from 2009 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 (north, south, east, and west).

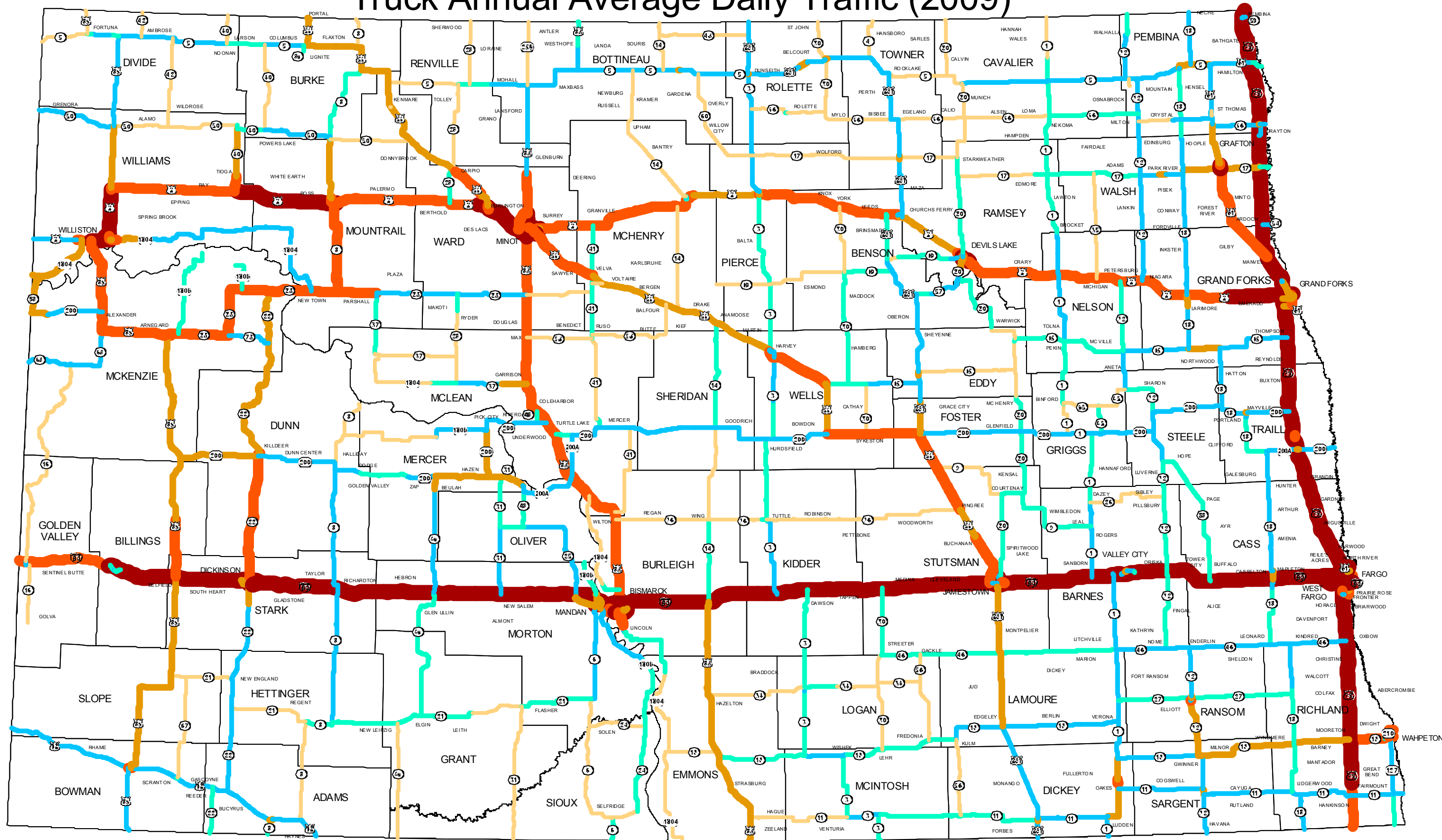
Annual Average Daily Traffic

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

Planning & Programming Division
 Transportation Data
 December 2009



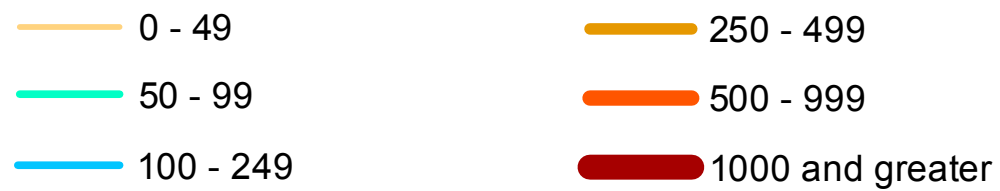
Truck Annual Average Daily Traffic (2009)



(15)

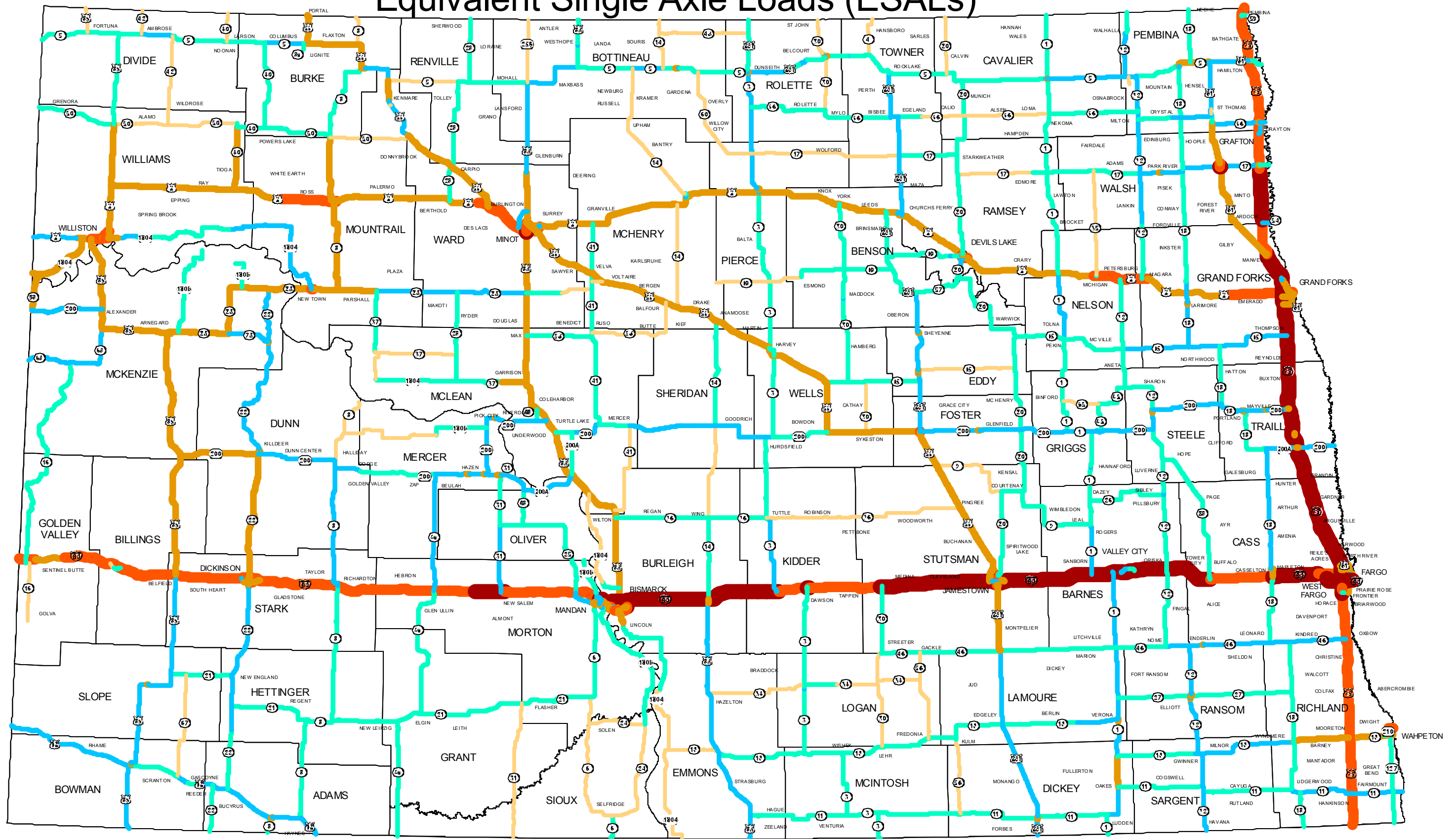
Notes: - Data from 2009 highway components segments.
 - The AADT for longer sections are an average of the traffic segments.
 - Data for the four lane roadways are AADT for both directions (north, south, east, and west).

Truck AADT



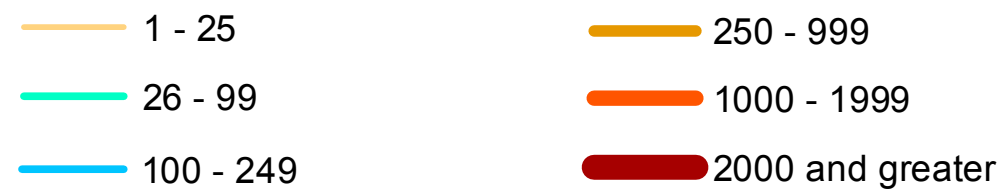
Planning and Programming Division
 Transportation Data
 December 2009

Equivalent Single Axle Loads (ESALs)

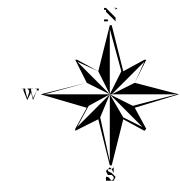


Notes: - Data from 2009 highway components segments.
 - The ESALs for longer sections are an average of the traffic segments.
 - Rigid ESALs for I-29 and I-94.
 - Flexible ESALs for all other roads.
 - Data for the four-lane roadways are combined ESALs for both directions (N&S and E&W)

ESALs

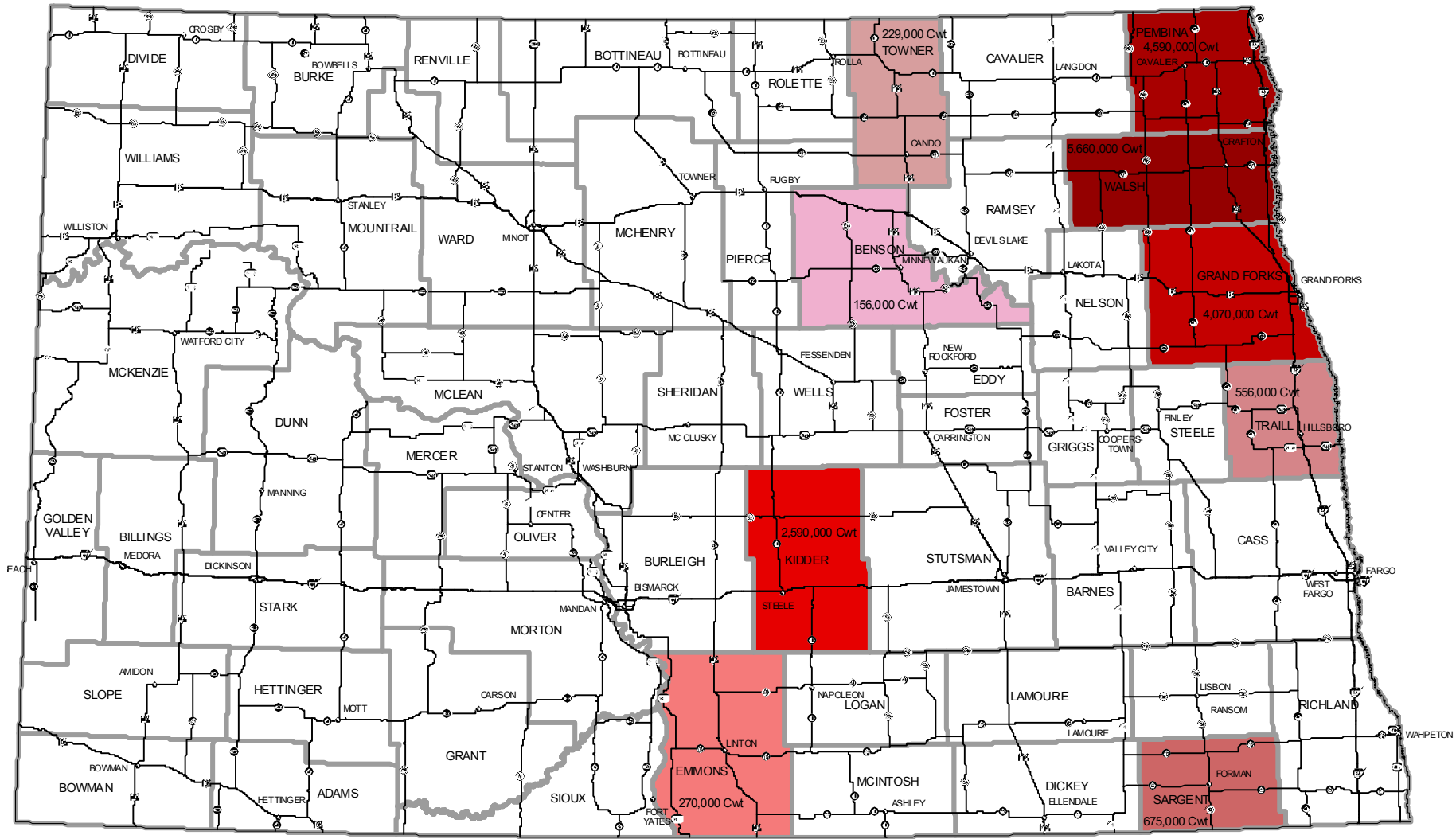


Planning and Programming Division
 Transportation Data
 December 2009



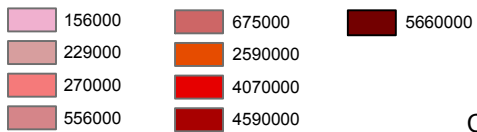
Potato Production

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



(17)

Potato Production by County (Cwt)



Cwt = 100 lbs

Individual production figures for each county are provided on the map

Notes: Data from North Dakota Agricultural Statistics Service
Potato County Estimates, North Dakota 2008

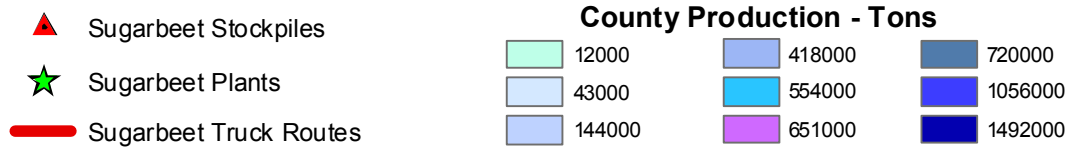
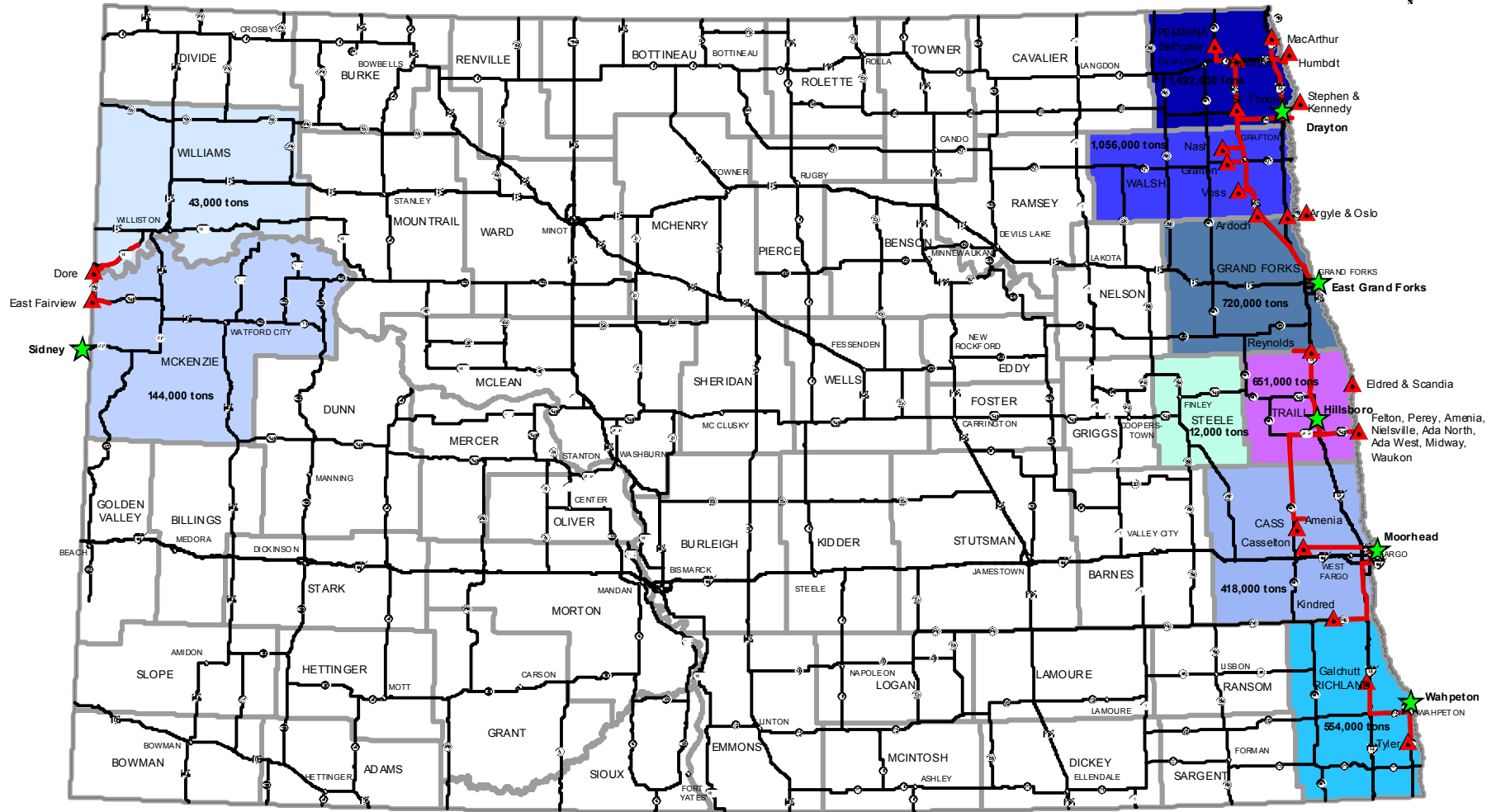
2009 estimates are not available



Planning & Programming Division
Transportation Data
December 2009

Sugarbeet Production and Truck Routes

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



NOTE: Data from ND Agricultural Statistics Service - Sugarbeets 2008 County Production
 Total production for the state of ND is 5,102,000 tons.
 2009 estimates are not available.
 Individual production figures for each county are provided on the map

Planning & Programming Division
 Transportation Data
 December 2009

(18)

PERMANENT STATION COMPARISON OF AADT BY YEAR

STATION NUMBER	LOCATION	1989	1991	1993	1995	1997	1999	2001	2003	2005	2006	2007	2008	2009	% CHANGE 2009/2008	% CHANGE 2009/1999	% CHANGE 2009/1989
URBAN INTERSTATE 94																	
217	FARGO (U)	22530				48388	50450	51514	56852	61012	61479	63051	63417	64436	1.6%	27.7%	186.0%
283	BISMARCK (U)	12350	12660	14222		15656	17704	18584	17590	20144	21507	24770	22085	23589	6.8%	33.2%	91.0%
	MEAN	17440	12660	14222		32022	34077	35049	37221	40578	41493	43911	42751	44013	4.2%	30.5%	138.5%
RURAL INTERSTATE 94																	
207	MEDINA	4496	4620	5046	4608	5884	6326	6644	7210	6778	6706	6941	6595	7048	6.9%	11.4%	56.8%
223	NEW SALEM	4364	4460	4850	5210	5294			5950	6034	6116	6252	6195	6595	6.5%	--	51.1%
245	TOWER CITY	6012	6258	6918	7304	7446		8030	8974	9146	9173	9440	9340	9948	6.5%	--	65.5%
279	PAINTED CANYON	2758	2904	3064	3290	3268	3404	3656	3688	3608	3668	4086	3554	3654	2.8%	7.3%	32.5%
	MEAN	4408	4561	4970	5103	5473	4865	6110	6456	6392	6416	6680	6421	6811	5.7%	9.4%	51.5%
URBAN INTERSTATE 29																	
235	FARGO (U)					25214			24536	25772	25790	26642	27503	31746	15.4%	--	--
	MEAN					25214			24536	25772	25790	26642	27503	31746	15.4%	--	--
RURAL INTERSTATE 29																	
211	BUXTON	7768	8330	9018	9476			9374	10198	10426	10532	10951	10630	10980	3.3%	--	41.3%
243	BOWESMONT	2084	2536	2562	2470	2686	2920	2974	2896	3074	3146	3662	3559	3442	-3.3%	17.9%	65.2%
265	MOORETON	3186	3338	3648	4180	4992	5390	5078	5636	5962	5940	6059	5823	6078	4.4%	12.8%	90.8%
285	DAVENPORT								9670	10254	10151	10221	9777	10447	6.9%	--	--
301	HICKSON					7468									--	--	--
	MEAN	4346	4735	5076	5375	5049	4155	5809	7100	7429	7442	7723	7447	7737	2.8%	15.3%	65.8%
RURAL PRINCIPAL ARTERIAL																	
201	RAY	1396	1504	1562	1604	1552	1580	1660	1656	1748	1873	2115	2678	2963	10.6%	87.5%	112.2%
203	MAX	2606	2728	2744	3040	3192	3460	3420	3562	3530	3612	3653	3702	4107	10.9%	18.7%	57.6%
205	GWINNER	912	880	922	1002	1038	1108	1076	1124	1266	1255	1200	1109	1066	-3.9%	-3.8%	16.9%
209	MINOT	9998	9530	9618	9990	9394									--	--	--
213	LAKOTA	2514	2606	2832	3050	3106									--	--	--
215	JAMESTOWN	2350	2352	2444	2612	2820		2694	2778	2702	2716	2859	2845	2992	5.2%	--	27.3%
219	MANDAN	1192	1218	1260	1344	1350	1534	1460	1498	1490	1518	1488	1471	1546	5.1%	0.8%	29.7%
221	FAIRFIELD	1432	1500	1374	1406	1416	1354	1420	1418	1468	1649	1754	1808	1820	0.7%	34.4%	27.1%
227	VERONA	662	704	734	776										--	--	--
229	COOPERSTOWN		732	856	832	912			902	846	827	819	845	924	9.3%	--	--
233	FOXHOLM	1714	1982	2078	1952	1962	1922	1878	1914	1888	1899	2100	2177	2158	-0.9%	12.3%	25.9%
237	NEKOMA	668	638	662	670	682			780	714	686	886	785	781	-0.5%	--	16.9%
239	NEW TOWN	1018	1064	1230	1346	1400	1480	1588	1630	1618	1599	1726	2357	2680	13.7%	81.1%	163.3%
241	BOTTINEAU	978	996	1012	1010	986	1038	906	1000	978	946	1007	1050	1145	9.0%	10.3%	17.1%
251	HAGUE	532	532	646	614	628	656	734	734	704	589	729	746	782	4.8%	19.2%	47.0%
253	RUGBY					2594			2600	2556	2475	2510	2730	2666	-2.3%	--	--
255	CROSBY		538	574	564	536		528	558	540	574	581	598	632	5.7%	--	--
257	WILLISTON	894	992	1082	1088	1206			1192	1204	1229	1265	1251	1206	-3.6%	--	34.9%
261	CARRINGTON												1661		--	--	--
271	GOLDEN VALLEY	644	612	630	698	682			660	690	702	713	698	784	12.3%	--	21.7%
273	NEW LEIPZIG	384	372	356	372	374		382	366	352	339	335	314	346	10.2%	--	-9.9%
281	SAWYER							3566	3754	3890	3902	4004	3883	4112	5.9%	--	--
303	MICHIGAN					3504	3634	3476	3522	3436	3361	3384	3303	3612	9.4%	-0.6%	--
307	WASHBURN					3590		3790	3912	4016	4233	4363	4437	5146	16.0%	--	--
	MEAN	1758	1657	1717	1788	2044	1777	1905	1778	1782	1799	1875	1939	2054	5.9%	26.0%	42.0%
RURAL MINOR ARTERIAL																	
231	GRAFTON	2370	2298	2430	2338	2472		2550	2654	2670	2521	2469	2623	2541	-3.1%	--	7.2%
247	COURTENAY	428	434	498	490	444		502	476	470	460	456	442	463	4.8%	--	8.2%
249	GARRISON	990	922	1010	1016		1180	1180	1208	1168	1164	1177	1184	1254	5.9%	6.3%	26.7%
275	HANNOVER	458	438	482	482	498	568	526	504	502	479	530	500	603	20.6%	6.2%	31.7%
289	MANNING								1632	1604	1718	1901	2341	2591	10.7%	--	--
	MEAN	1062	1023	1105	1082	1138	874	1190	1295	1283	1268	1307	1418	1490	7.8%	6.2%	18.4%

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

PERMANENT STATION COMPARISON OF AADT BY YEAR

STATION NUMBER	LOCATION	1989	1991	1993	1995	1997	1999	2001	2003	2005	2006	2007	2008	2009	% CHANGE 2009/2008	% CHANGE 2009/1999	% CHANGE 2009/1989
RURAL MAJOR COLLECTOR - STATE																	
267	TRENTON													2530	--	--	--
	MEAN													2530	--	--	--
RURAL MAJOR COLLECTOR - COUNTY																	
225	STERLING	544	534	540	594	554			520	484	525	558	560	582	3.9%	--	7.0%
259	AYR	276	300	356	292	258	324	364	372	360	340	350	360	363	0.8%	12.0%	31.5%
263	METIGOSHE	798	724	760	806	450									--	--	--
277	REGENT	170	174	288	294	284	288	318	294	298	287	309	320	317	-0.9%	10.1%	86.5%
	MEAN	447	433	486	497	387	306	341	395	381	384	406	413	421	1.3%	11.1%	41.7%
URBAN PRINCIPAL ARTERIAL																	
287	GRAND FORKS								19270	19248	19107	19947	18974	19719	3.9%	--	--
501	FARGO (U)	23764	22452	22674	22946	26122	23578	25762	25892	26264	24248	24533	24606	25283	2.8%	7.2%	6.4%
601	BISMARCK (U)						13037	12475	11855	11828	11465	12174	11991	11605	-3.2%	-11.0%	--
603	WILLISTON (U)						4024	4042	4160	4316	4528	4623	4801	5108	6.4%	26.9%	--
605	MANDAN (U)								20152	20240	20213	20530	19582	19813	1.2%	--	--
	MEAN	23764	22452	22674	22946	26122	13546	14093	16266	16379	15912	16361	15991	16306	2.2%	7.7%	6.4%
URBAN MINOR ARTERIAL																	
607	DICKINSON (U)						3160	3152	3034	3090	3053	2967	2855	2925	2.5%	-7.4%	--
611	MINOT (U)						2994	2974	2638	2626	2541	2340	2618	2736	4.5%	-8.6%	--
	MEAN						3077	3063	2836	2858	2797	2654	2737	2831	3.5%	-8.0%	--
URBAN COLLECTOR & LOCAL URBAN																	
609	MINOT (U)						1912	2068	2342	2328	2222	2191	2255	2358	4.6%	23.3%	--
	MEAN						1912	2068	2342	2328	2222	2191	2255	2358	4.6%	23.3%	--

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

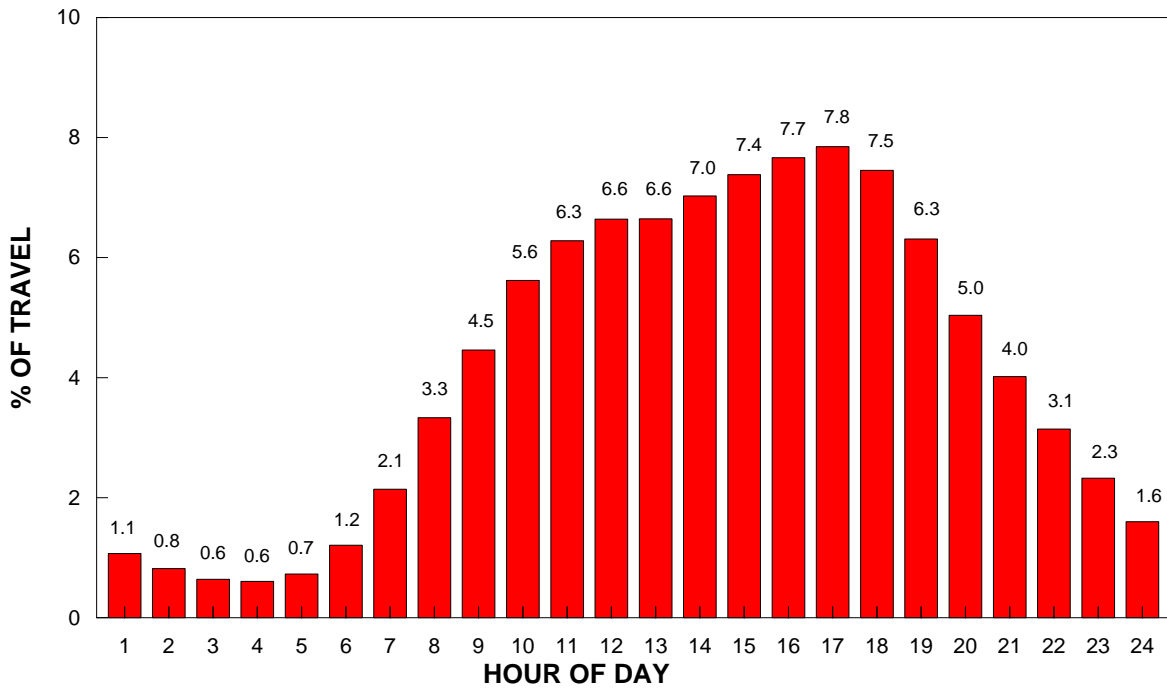
PERMANENT STATION COMPARISON OF TRUCK AADT BY YEAR

STATION NUMBER	LOCATION	1989	1991	1993	1995	1997	1999	2001	2003	2005	2006	2007	2008	2009	% CHANGE 2009/2008	% CHANGE 2009/1999	% CHANGE 2009/1989
URBAN INTERSTATE																	
217	FARGO (U)						3796	4140	4436	4988	4791	4774	4930	4625	-6.2%	21.8%	--
235	FARGO (U)								2614	2720	2726	2960	2980	2994	0.5%	--	--
283	BISMARCK (U)						1812	1708	1878	2162	2264	2663	2151	2006	-6.7%	10.7%	--
	MEAN						2804	2924	2976	3290	3260	3466	3354	3208	-4.2%	16.3%	--
RURAL INTERSTATE																	
207	MEDINA						1448	1586	1578	1646	1699	1756	1711	1674	-2.2%	15.6%	--
211	BUXTON							2136	2374	2516	2554	2832	2790	2378	-14.8%	--	--
223	NEW SALEM								1162	1290	1364	1462	1467	1439	-1.9%	--	--
243	BOWESMONT						1044	1164	1176	1156	1186	1411	1358	1170	-13.8%	12.1%	--
245	TOWER CITY								1796	1974	2001	2156	2203	2144	-2.7%	--	--
265	MOORETON						836	716	854	976	1006	1061	1076	1027	-4.6%	22.8%	--
279	PAINTED CANYON						654	1006	1040	1036	1177	1405	1166	1097	-5.9%	67.7%	--
285	DAVENPORT								1136	1252	1248	1313	1293	1243	-3.9%	--	--
	MEAN						996	1322	1390	1481	1529	1675	1633	1522	-6.2%	29.6%	--
RURAL PRINCIPAL ARTERIAL																	
201	RAY						260	286	256	310	378	466	669	783	17.0%	201.2%	--
203	MAX						492	548	558	512	541	559	568	691	21.7%	40.4%	--
205	GWINNER							150	154	148	145	132	117	105	-10.3%	--	--
215	JAMESTOWN							446	474	558	584	682	709	689	-2.8%	--	--
219	MANDAN						166	140	148	142	154	138	138	147	6.5%	-11.4%	--
221	FAIRFIELD						280	272	270	294	399	475	507	505	-0.4%	80.4%	--
233	FOXHOLM						420	390	438	440	454	531	548	518	-5.5%	23.3%	--
237	NEKOMA								130	116	115	150	118	102	-13.6%	--	--
239	NEW TOWN						140	132		140	148	230	549	678	23.5%	384.3%	--
241	BOTTINEAU						152	176	126	118	111	142	129	151	17.1%	-0.7%	--
253	RUGBY								432	418	406	426	508	364	-28.3%	--	--
255	CROSBY							146	128	96	131	130	145	149	2.8%	--	--
257	WILLISTON								130	158	160	175	160	146	-8.8%	--	--
261	CARRINGTON												249		--	--	--
271	GOLDEN VALLEY										67	75	66	95	43.9%	--	--
273	NEW LEIPZIG							76	66	44	44	45	43	54	25.6%	--	--
281	SAWYER							376	412	486	526	538	572	582	1.7%	--	--
303	MICHIGAN						630	580	570	538	515	529	513	535	4.3%	-15.1%	--
307	WASHBURN							586	548	548	607	622	609	698	14.6%	--	--
	MEAN						318	307	303	298	305	336	370	381	6.1%	87.8%	--
RURAL MINOR ARTERIAL																	
231	GRAFTON							228	232	274	240	228	267	243	-9.0%	--	--
247	COURTENAY							48	36	40	32	35	33	34	3.0%	--	--
249	GARRISON						122	104	104	104	106	113	117	134	14.5%	9.8%	--
275	HANNOVER						74	60	62	66	60	58	57	78	36.8%	5.4%	--
289	MANNING								144	132	160	283	408	539	32.1%	--	--
	MEAN						98	110	116	123	120	143	176	206	15.5%	7.6%	--
RURAL MAJOR COLLECTOR - STATE																	
267	TRENTON													369	--	--	--
	MEAN													369	--	--	--
RURAL MAJOR COLLECTOR - COUNTY																	
225	STERLING									40	39	54	54	63	16.7%	--	--
	MEAN									40	39	54	54	63	16.7%	--	--

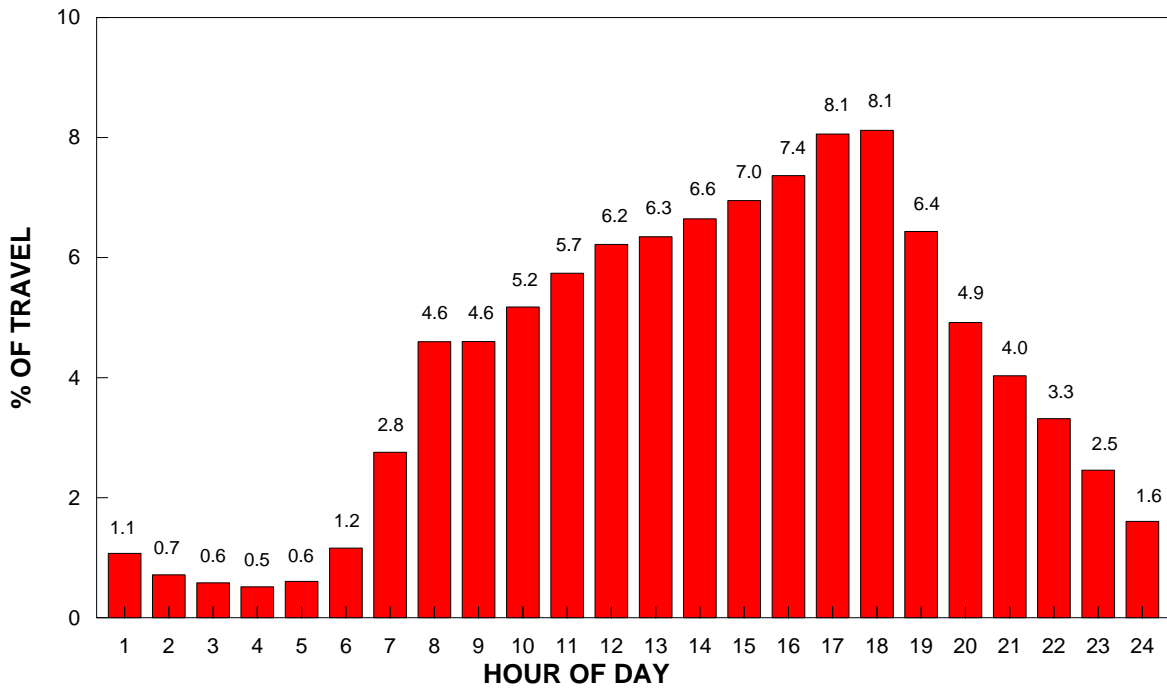
Missing data is the result of years when a recording station was out of service.

HOURLY DISTRIBUTION OF TRAVEL

RURAL INTERSTATE 94

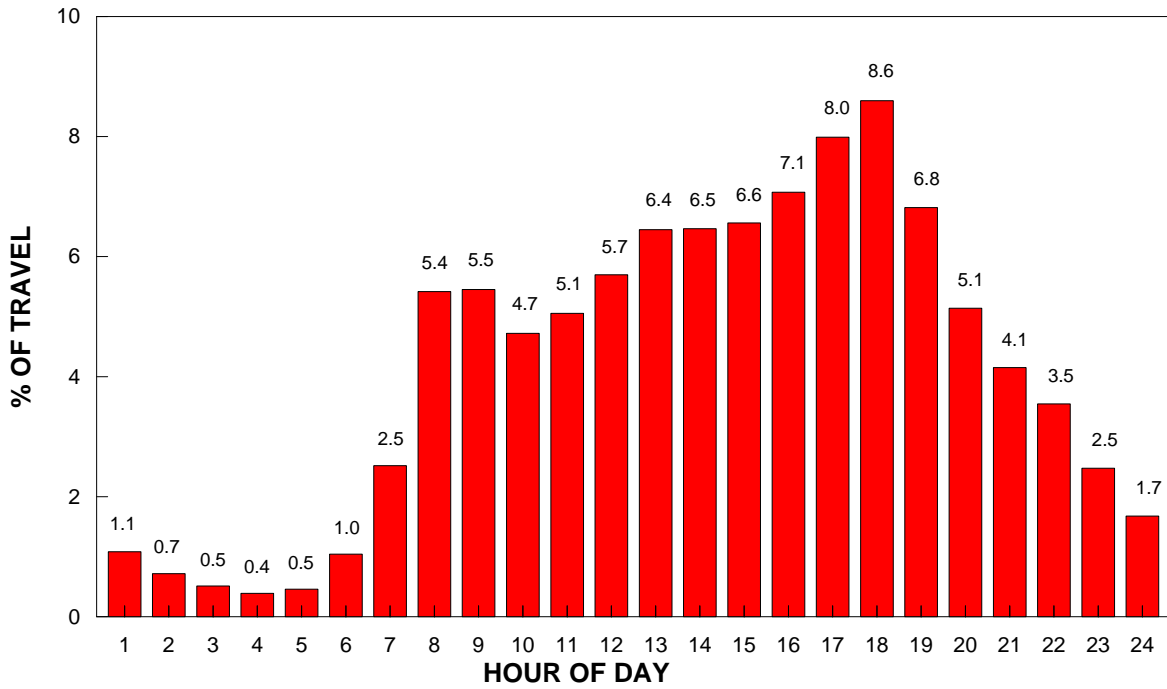


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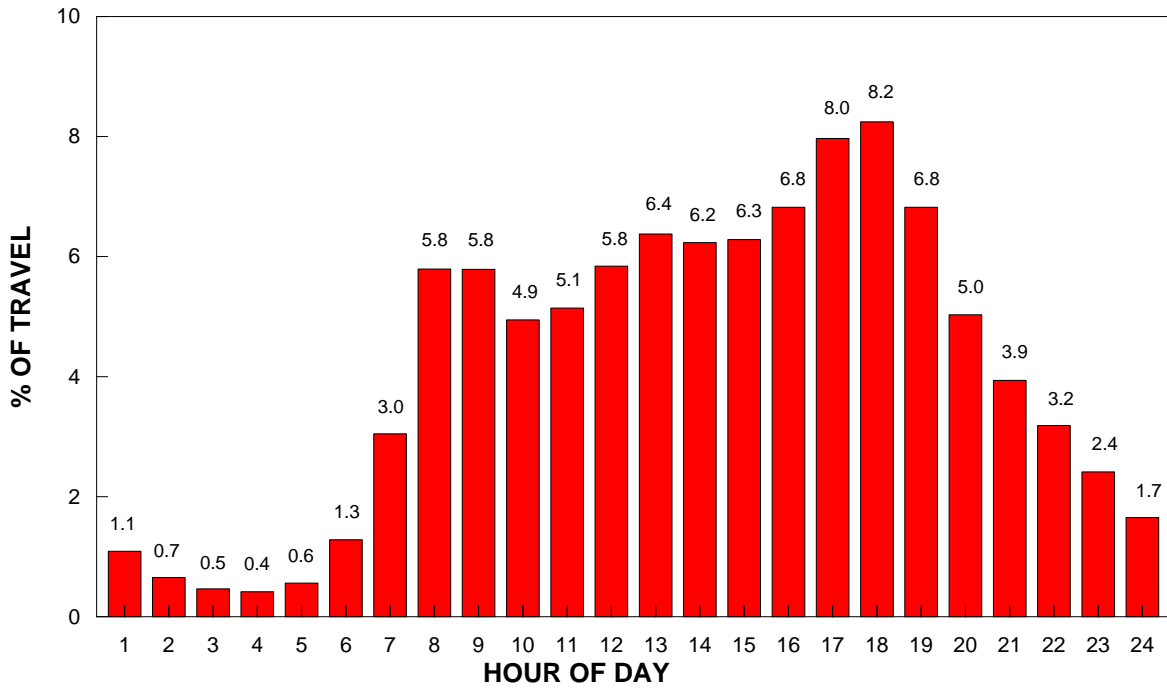


HOURLY DISTRIBUTION OF TRAVEL

URBAN INTERSTATE 94

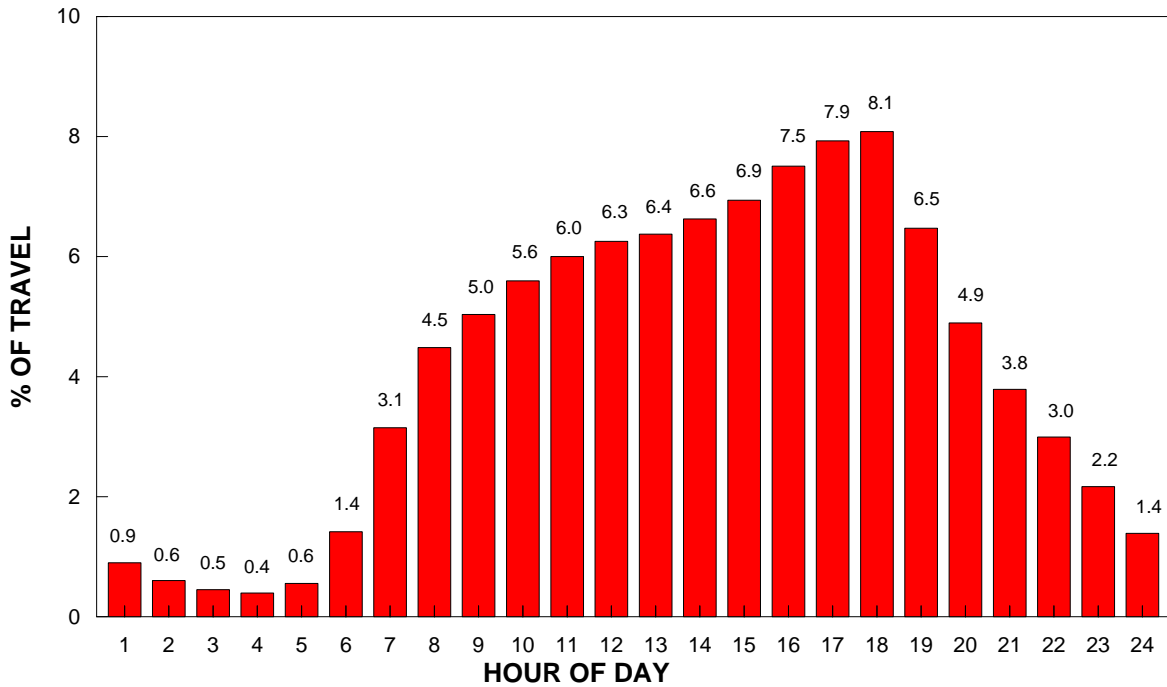


URBAN INTERSTATE 29

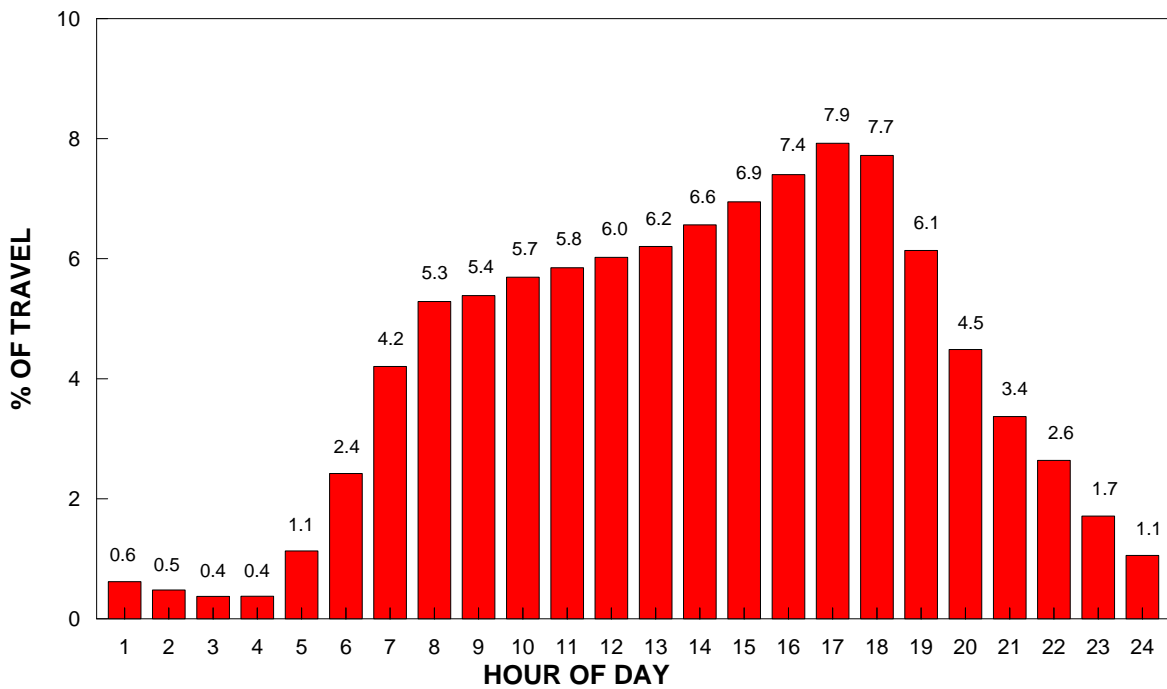


HOURLY DISTRIBUTION OF TRAVEL

RURAL PRINCIPAL ARTERIAL

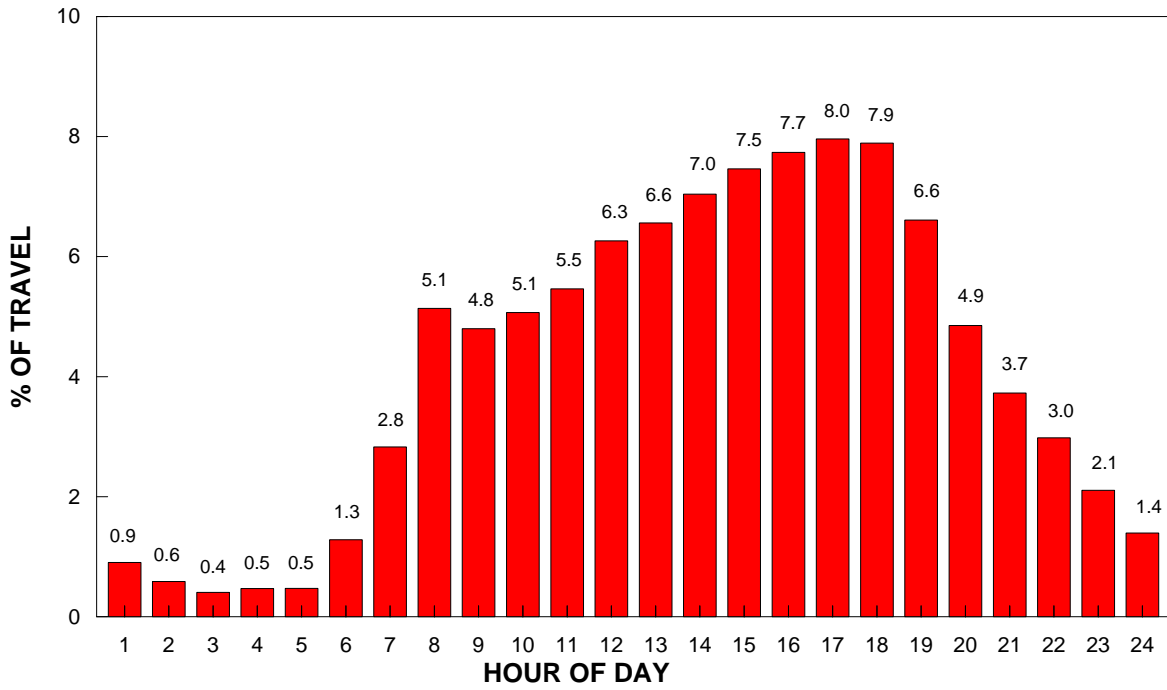


RURAL MINOR ARTERIAL

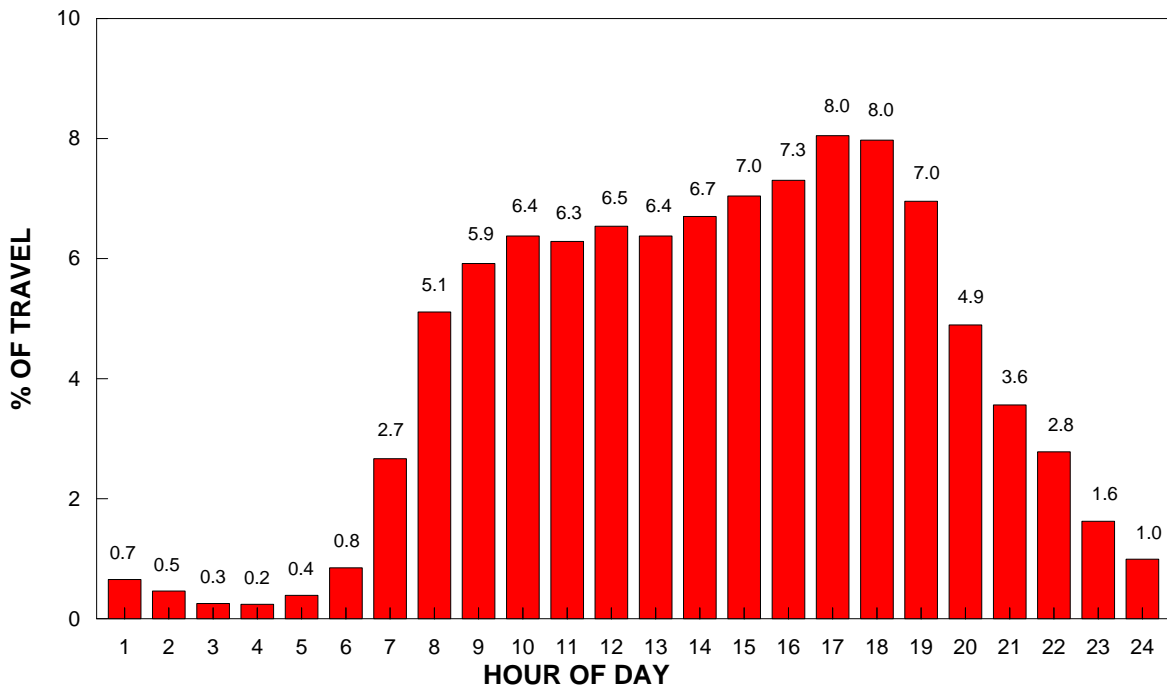


HOURLY DISTRIBUTION OF TRAVEL

RURAL MAJOR COLLECTOR - STATE

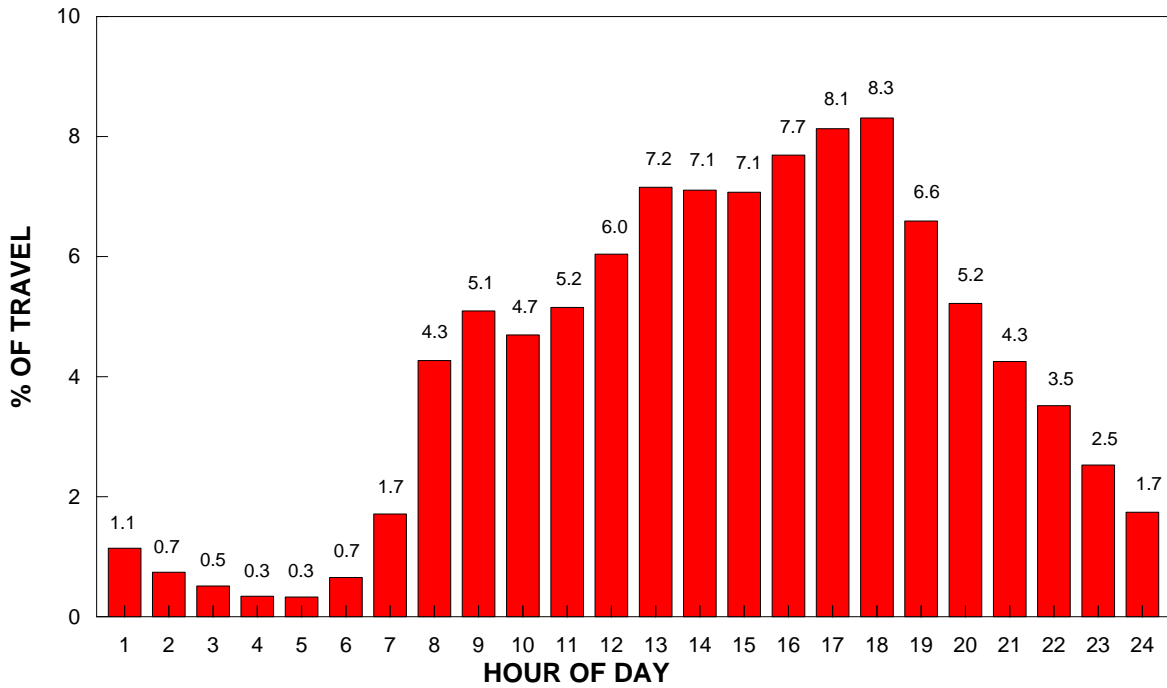


RURAL MAJOR COLLECTOR - COUNTY

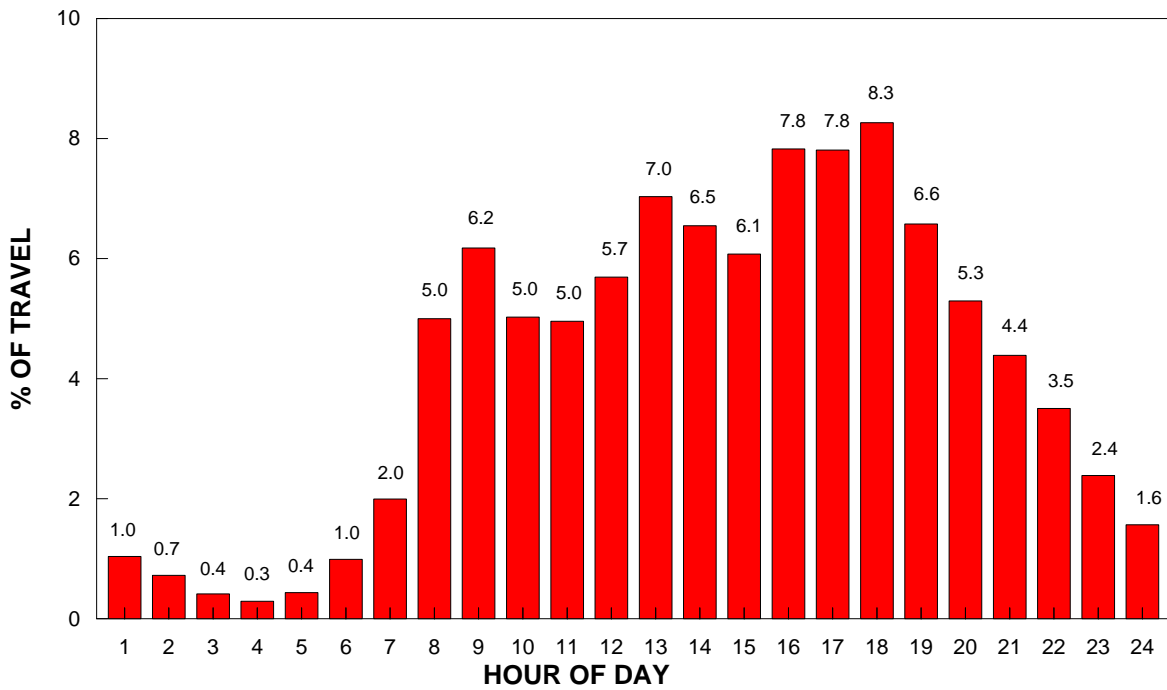


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URBAN PRINCIPAL ARTERIAL

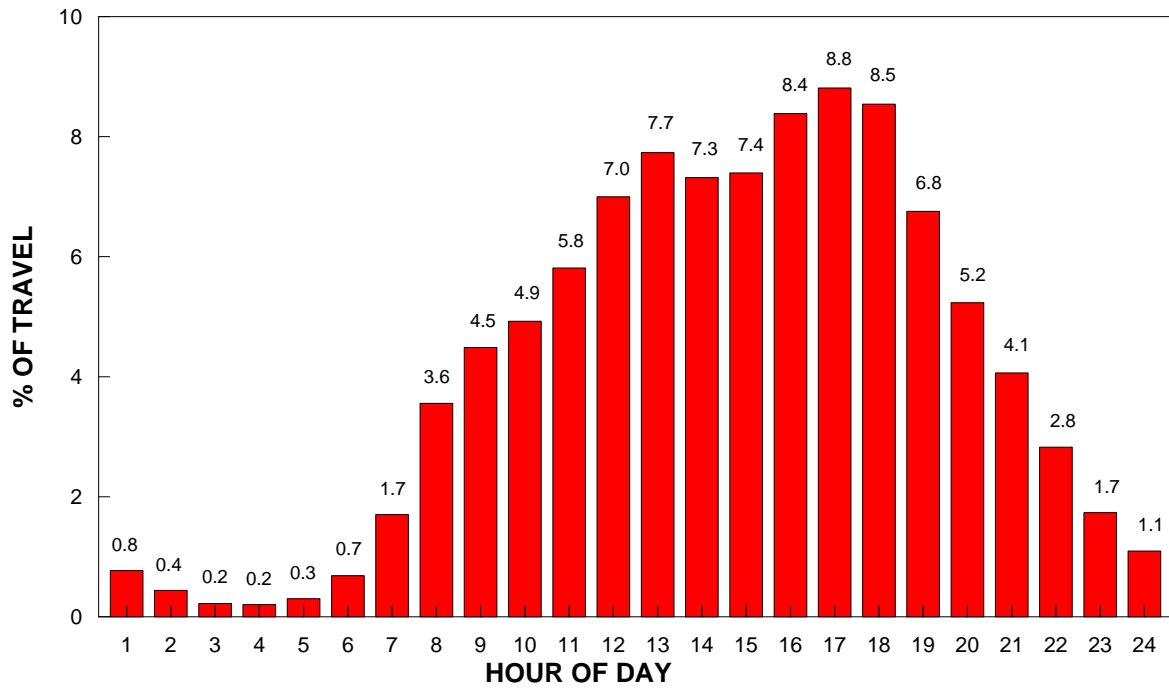


URBAN MINOR ARTERIAL



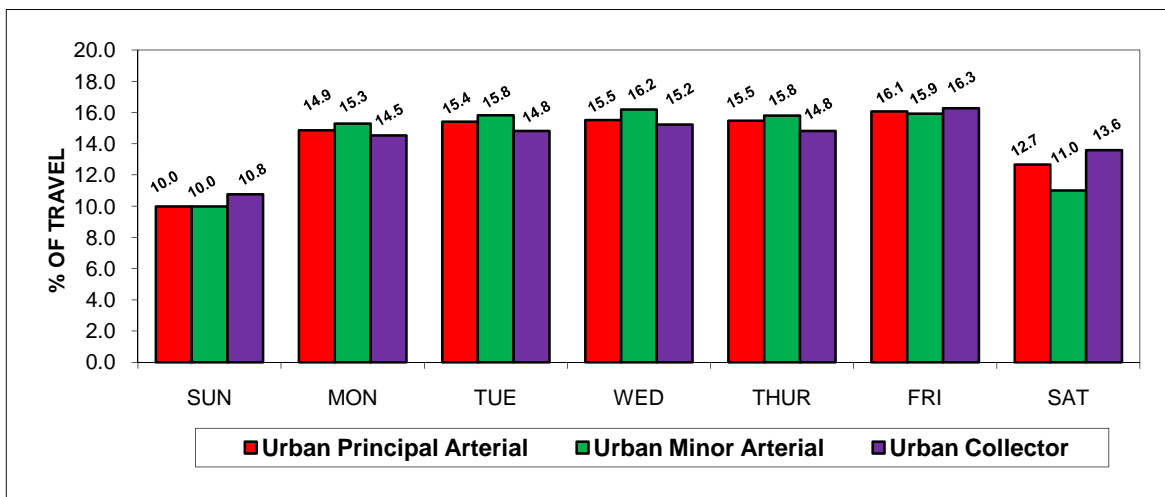
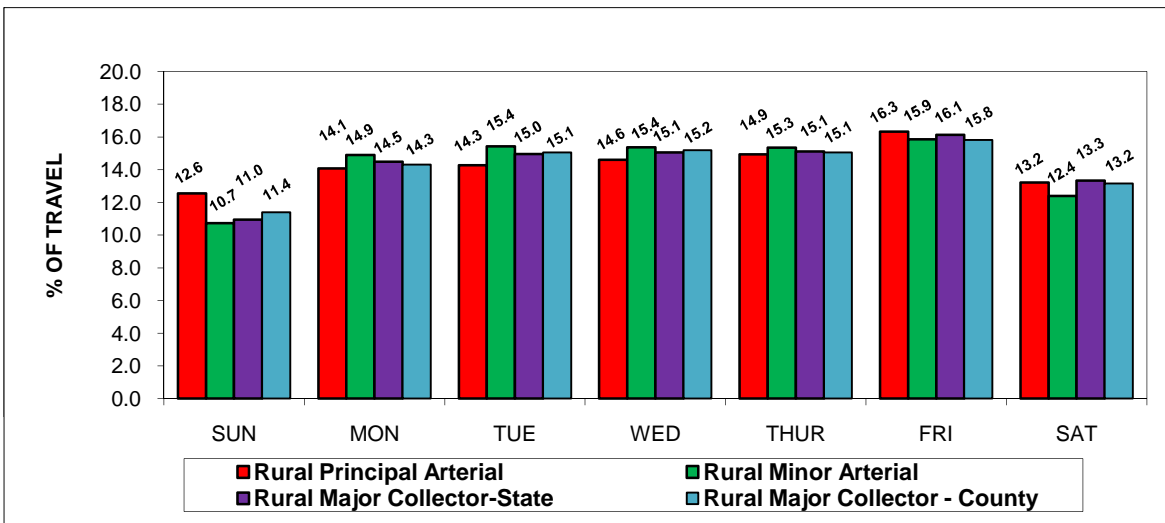
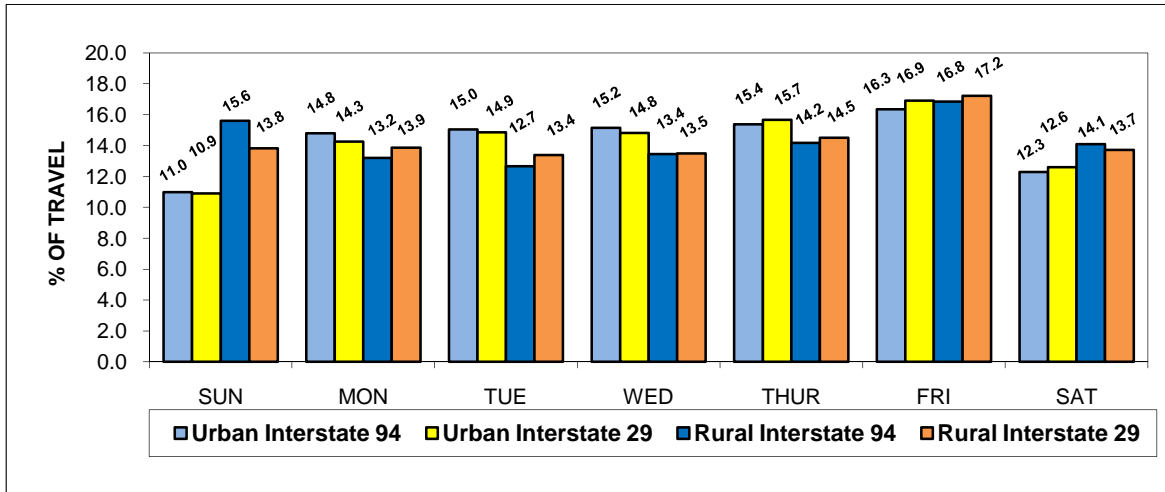
HOURLY DISTRIBUTION OF TRAVEL

URBAN COLLECTOR

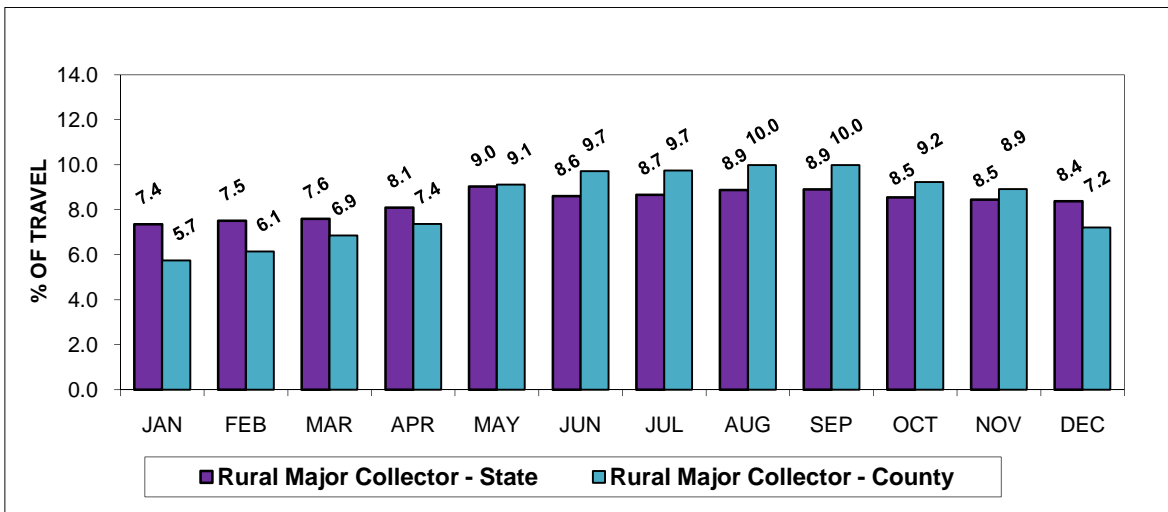
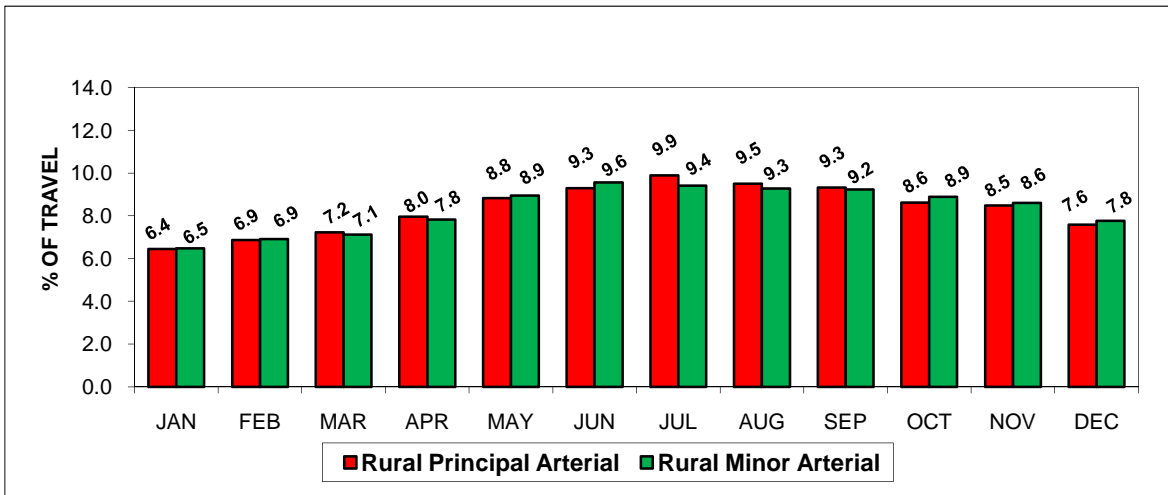
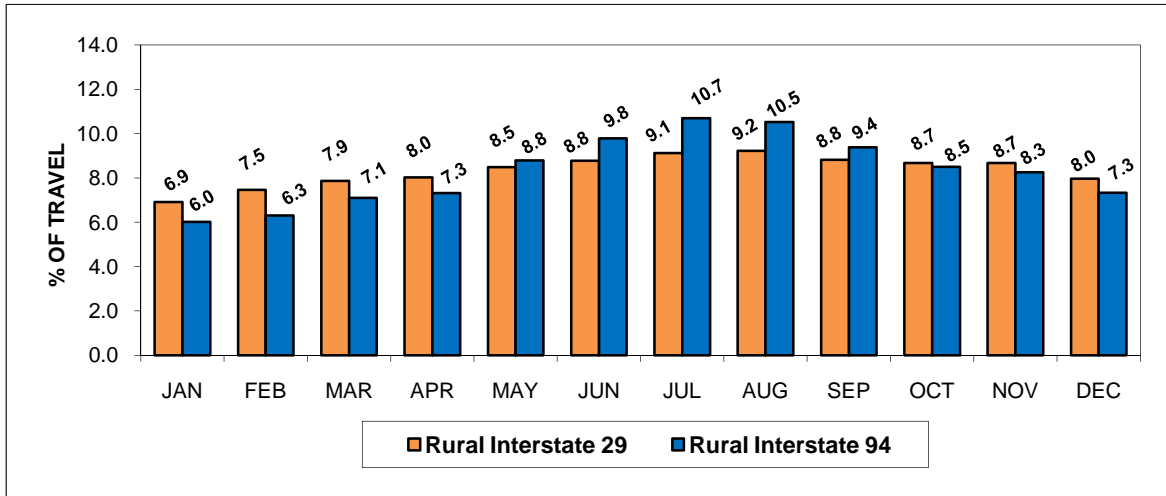


DAILY DISTRIBUTION OF TRAVEL

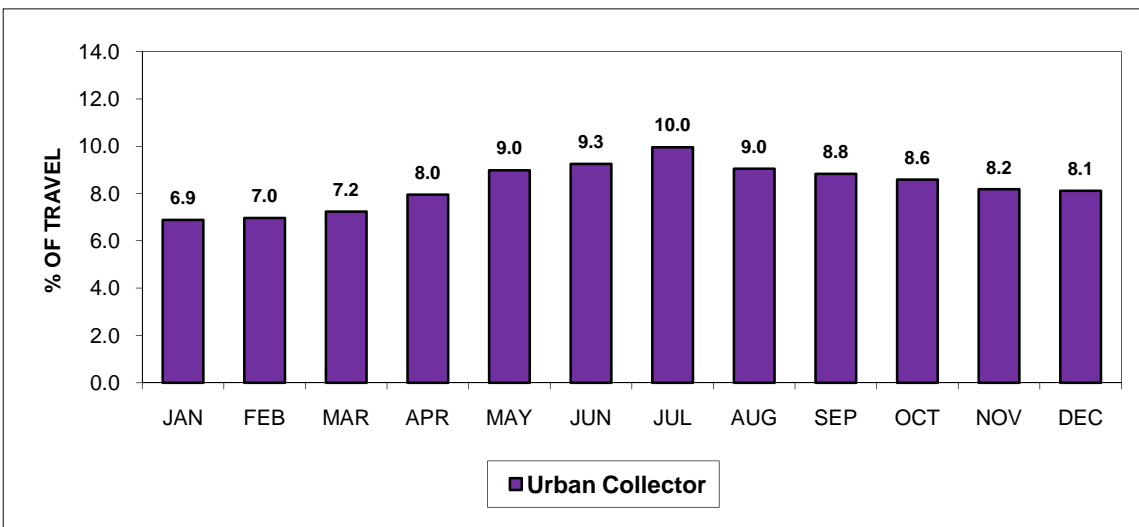
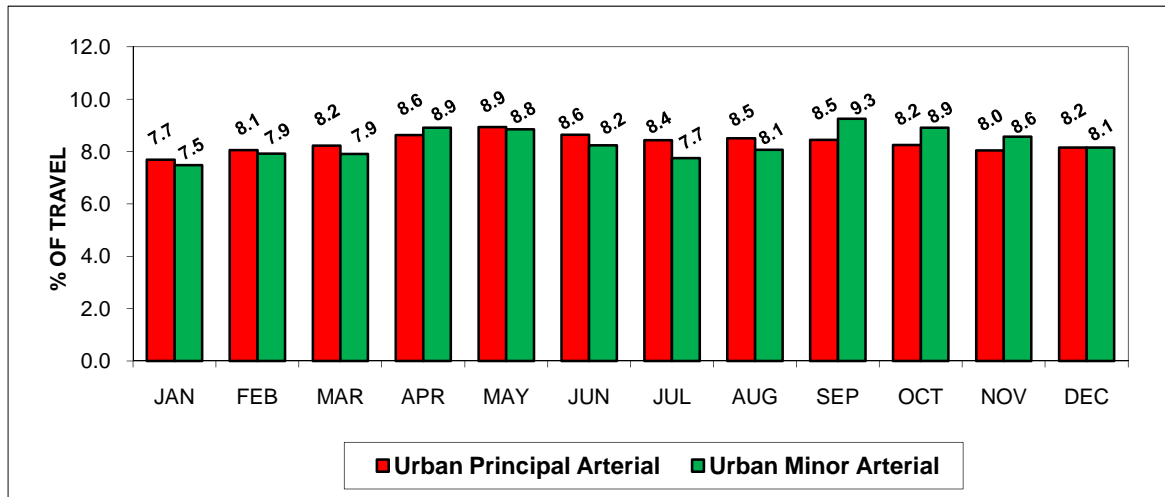
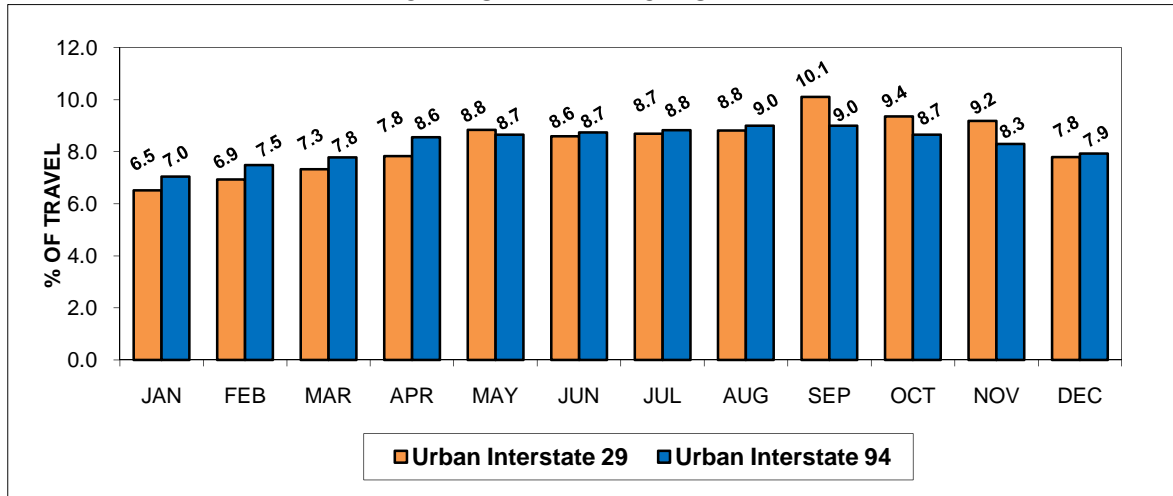
TOTAL VEHICLES



MONTHLY DISTRIBUTION OF ANNUAL TRAFFIC TOTAL RURAL VEHICLES

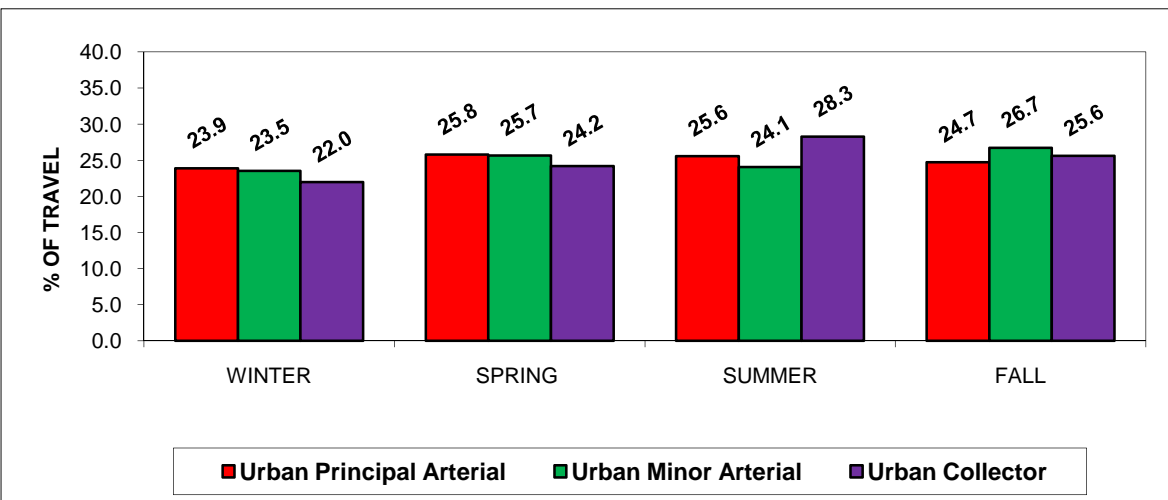
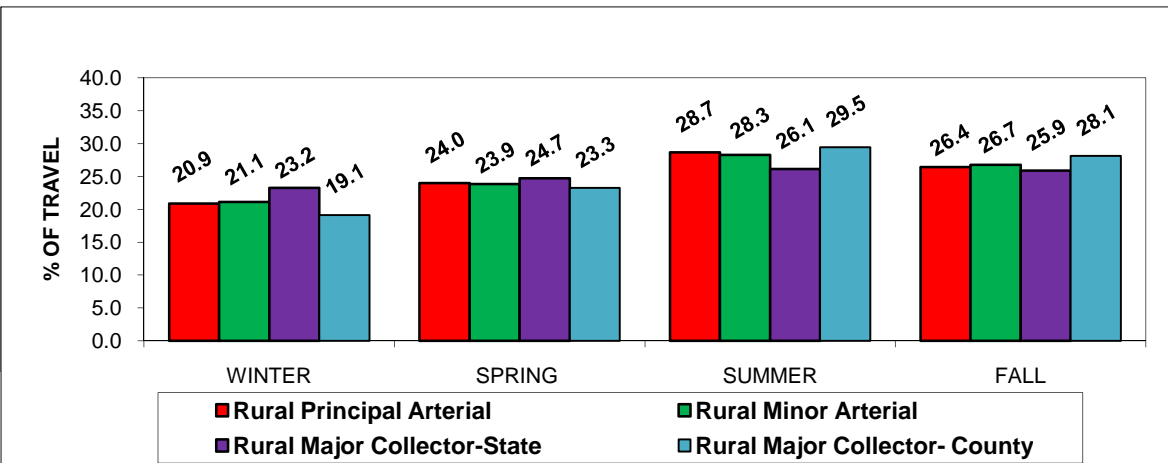
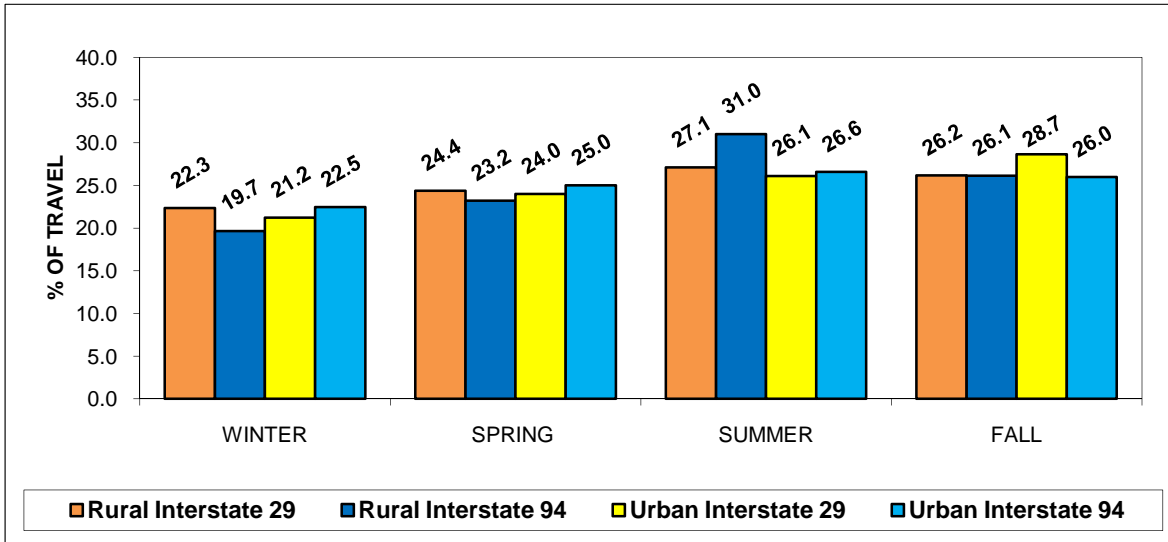


MONTHLY DISTRIBUTION OF ANNUAL TRAFFIC TOTAL URBAN VEHICLES



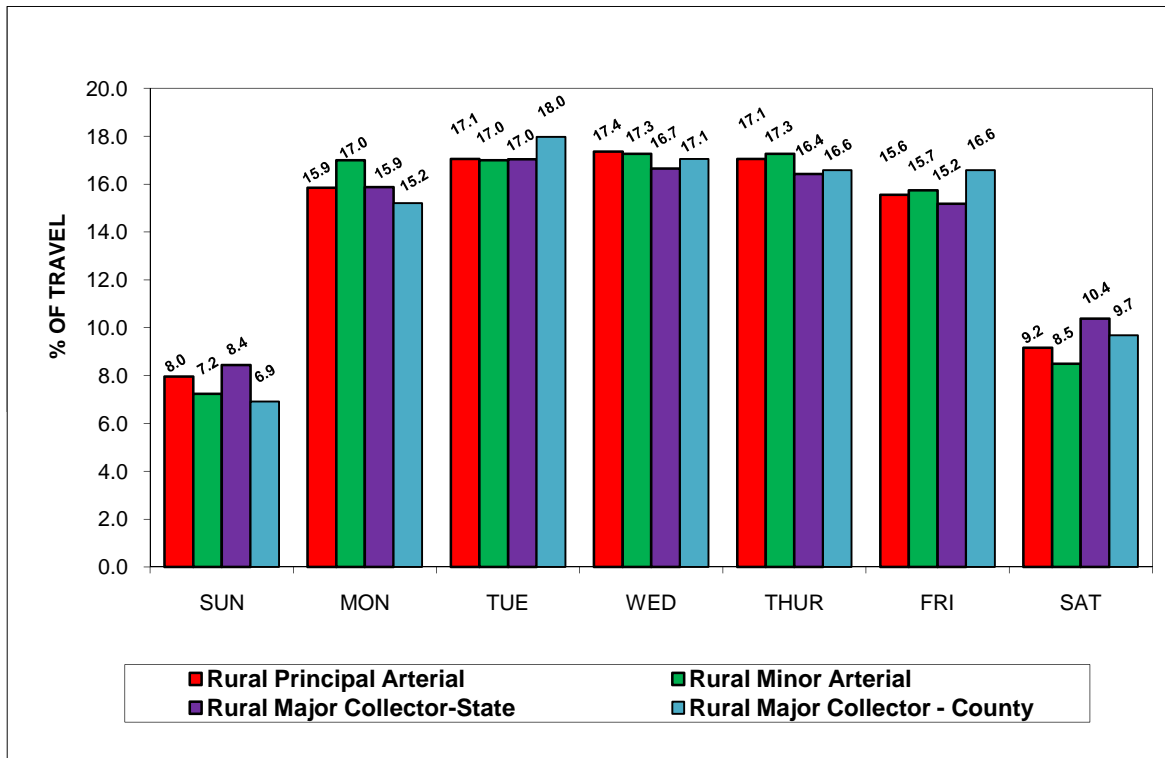
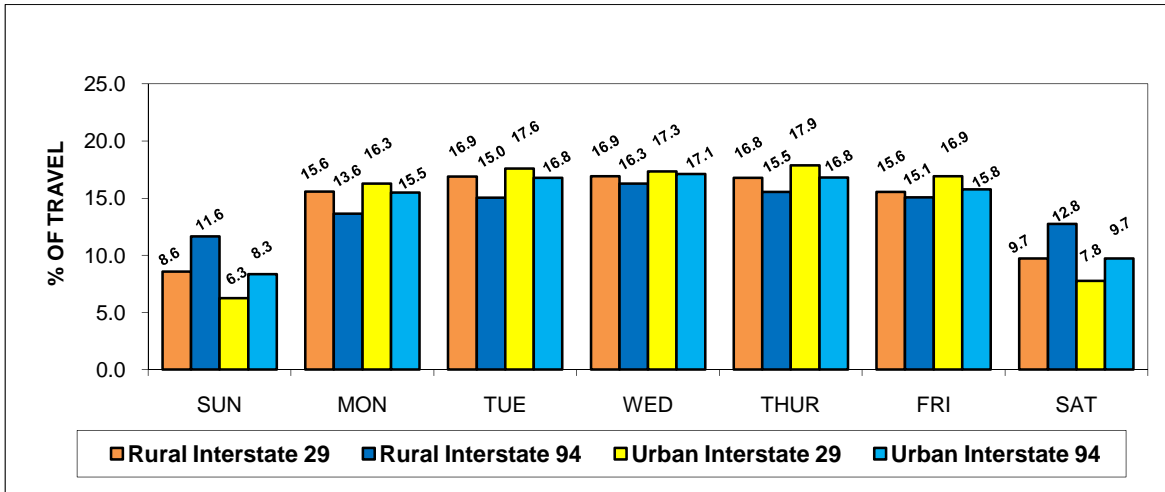
SEASONAL DISTRIBUTION OF TRAVEL

TOTAL VEHICLES

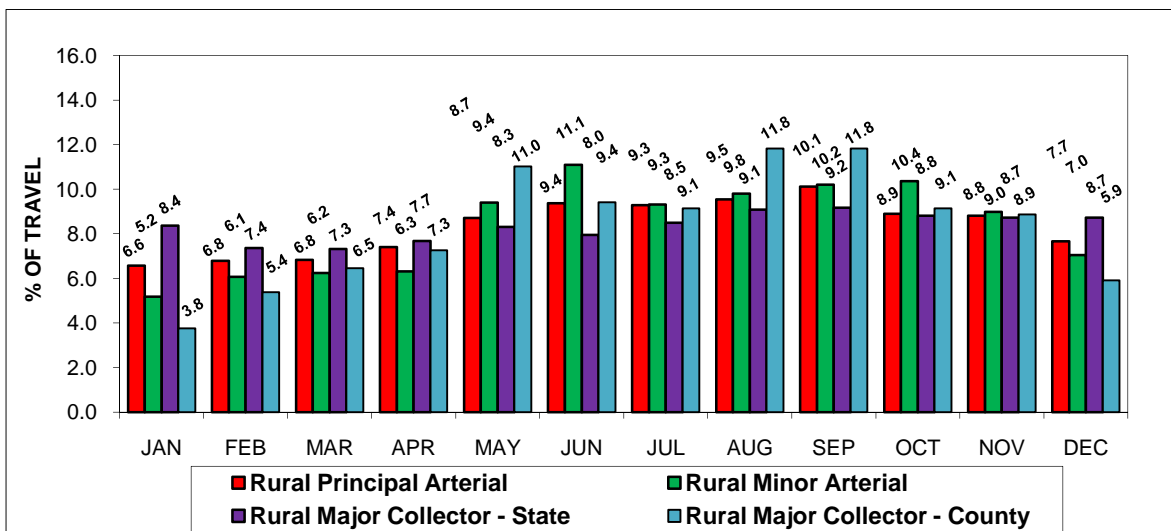
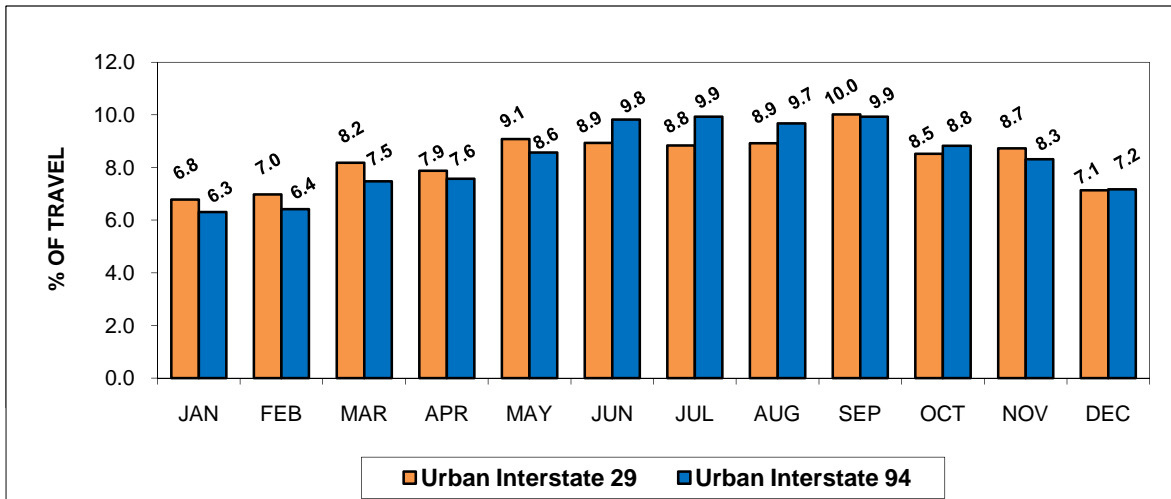
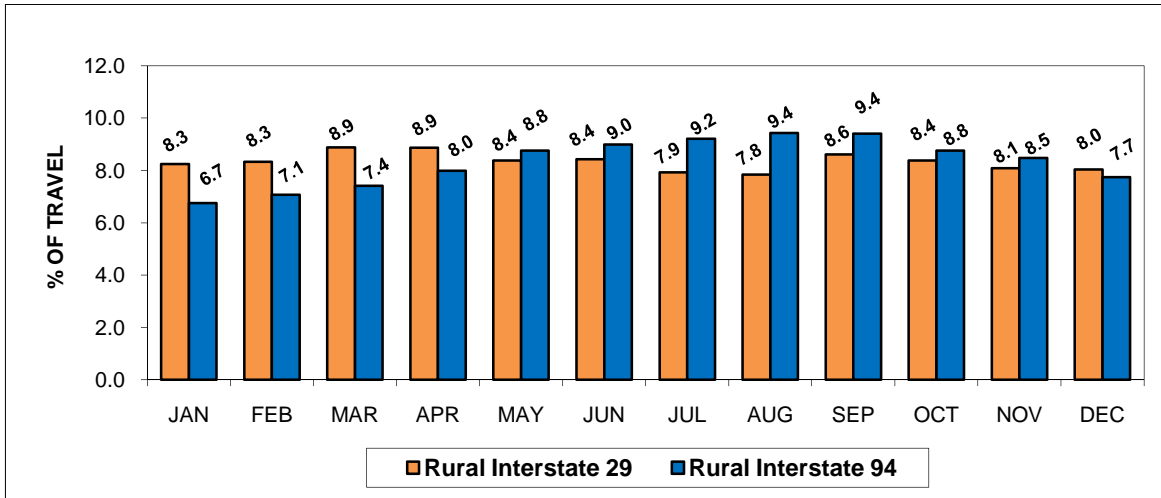


DAILY DISTRIBUTION OF TRAVEL

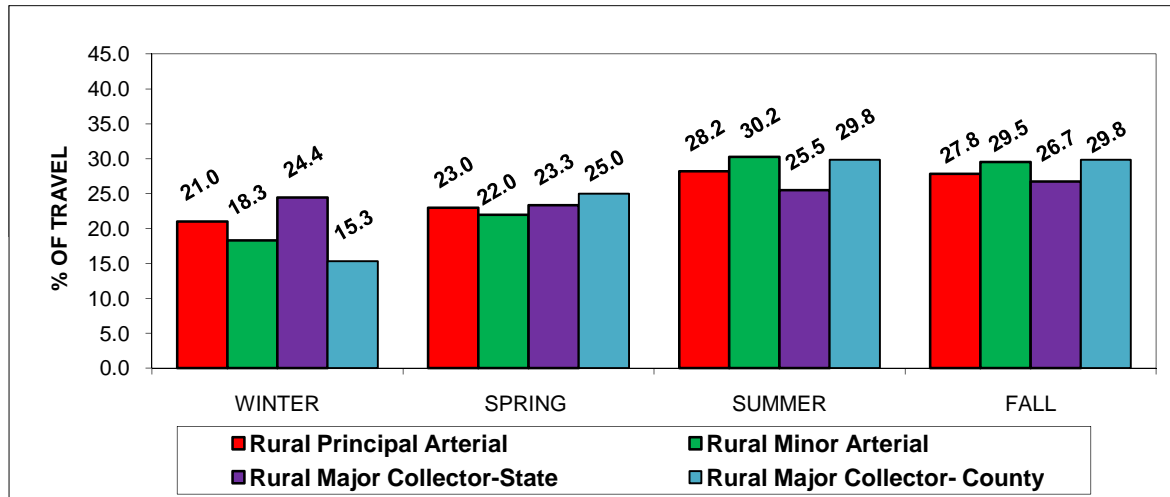
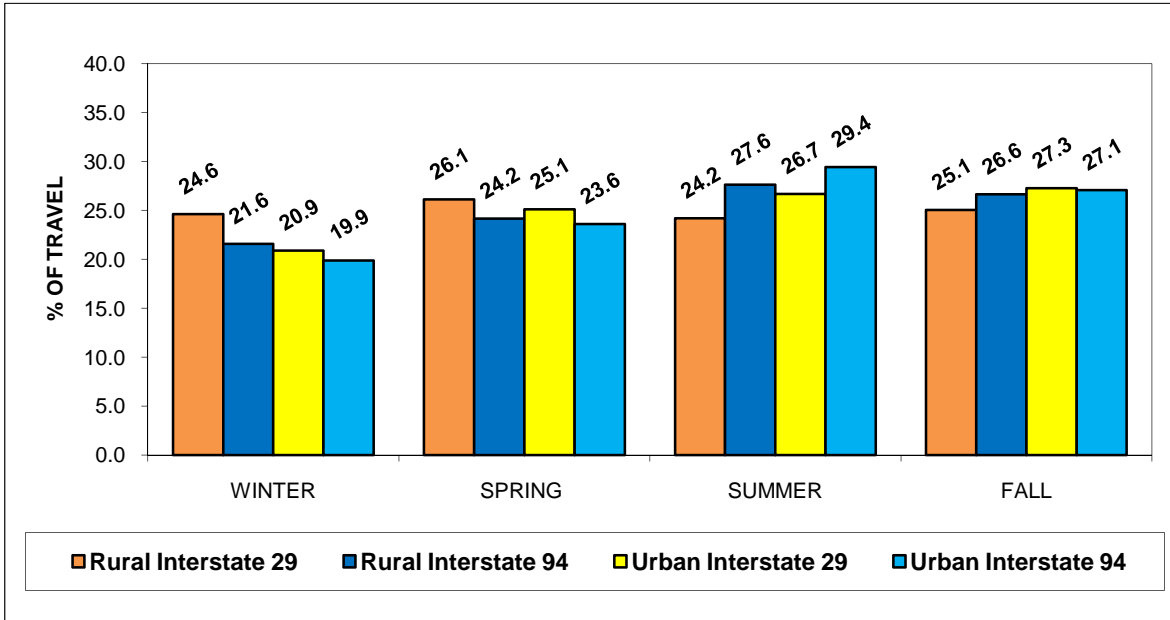
TOTAL TRUCKS



MONTHLY DISTRIBUTION OF ANNUAL TRAFFIC TOTAL TRUCKS



SEASONAL DISTRIBUTION OF TRAVEL TOTAL TRUCKS



**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2009**

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	3542	746	21.1%	496	14.0%	292	63-37
		WEST	3506	684	19.5%	515	14.7%	395	57-43
		EAST & WEST	7048	1,269	18.0%	968	13.7%		
223	NEW SALEM	EAST	3336	574	17.2%	419	12.6%	254	62-38
		WEST	3259	544	16.7%	382	11.7%	355	52-48
		EAST & WEST	6595	970	14.7%	758	11.5%		
245	TOWER CITY	EAST	4988	1,019	20.4%	668	13.4%	588	53-47
		WEST	4960	929	18.7%	669	13.5%	483	58-42
		EAST & WEST	9948	1,590	16.0%	1272	12.8%		
279	PAINTED CANYON	EAST	1865	404	21.7%	255	13.7%	265	49-51
		WEST	1789	372	20.8%	272	15.2%	148	65-35
		EAST & WEST	3654	678	18.6%	505	13.8%		
INTERSTATE RURAL - I-29									
211	BUXTON	NORTH	5500	925	16.8%	724	13.2%	511	59-41
		SOUTH	5480	985	18.0%	698	12.7%	625	53-47
		NORTH & SOUTH	10980	1,610	14.7%	1340	12.2%		
243	BOWESMONT	NORTH	1712	347	20.3%	259	15.1%	97	73-27
		SOUTH	1730	375	21.7%	290	16.8%	123	70-30
		NORTH & SOUTH	3442	479	13.9%	418	12.1%		
265	MOORETON	NORTH	3016	506	16.8%	340	11.3%	241	59-41
		SOUTH	3062	540	17.6%	357	11.7%	193	65-35
		NORTH & SOUTH	6078	661	10.9%	629	10.3%		
285	DAVENPORT	NORTH	5265	727	13.8%	683	13.0%	300	69-31
		SOUTH	5182	897	17.3%	708	13.7%	406	64-36
		NORTH & SOUTH	10447	1,407	13.5%	1174	11.2%		
INTERSTATE URBAN - I-94									
217	FARGO (U)	EAST	31815	4,316	13.6%	3826	12.0%	3091	55-45
		WEST	32621	3,602	11.0%	3341	10.2%	2027	62-38
		EAST & WEST	64436	7,108	11.0%	6794	10.5%		
283	BISMARCK (U)	EAST	11853	1,358	11.5%	1253	10.6%	1254	50-50
		WEST	11736	1,441	12.3%	1349	11.5%	1151	54-46
		EAST & WEST	23589	2,698	11.4%	2575	10.9%		
INTERSTATE URBAN - I-29									
235	FARGO (U)	NORTH	16314	3,556	21.8%	2096	12.8%	1800	54-46
		SOUTH	15432	3,418	22.1%	2131	13.8%	894	70-30
		NORTH & SOUTH	31746	6,974	22.0%	4148	13.1%		
PRINCIPAL ARTERIAL RURAL									
201	RAY	EAST	1489	193	13.0%	156	10.5%	79	66-34
		WEST	1474	197	13.4%	175	11.9%	88	67-33
		EAST & WEST	2963	340	11.5%	298	10.1%		
203	MAX	NORTH	2059	312	15.2%	236	11.5%	201	54-46

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2009**

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	2048	310	15.1%	227	11.1%	200	53-47
		NORTH & SOUTH	4107	530	12.9%	437	10.6%		
205	GWINNER	EAST	530	114	21.5%	78	14.7%	24	76-24
		WEST	536	122	22.8%	96	17.9%	32	75-25
		EAST & WEST	1066	168	15.8%	139	13.0%		
215	JAMESTOWN	EAST	1485	242	16.3%	171	11.5%	103	62-38
		WEST	1507	237	15.7%	183	12.1%	150	55-45
		EAST & WEST	2992	392	13.1%	326	10.9%		
219	MANDAN	NORTH	772	151	19.6%	90	11.7%	52	63-37
		SOUTH	774	145	18.7%	102	13.2%	90	53-47
		NORTH & SOUTH	1546	236	15.3%	170	11.0%		
221	FAIRFIELD	NORTH	906	114	12.6%	98	10.8%	53	65-35
		SOUTH	914	192	21.0%	109	11.9%	56	66-34
		NORTH & SOUTH	1820	257	14.1%	183	10.1%		
229	COOPERSTOWN	EAST	470	83	17.7%	62	13.2%	43	59-41
		WEST	454	190	41.9%	59	13.0%	36	62-38
		EAST & WEST	924	226	24.5%	111	12.0%		
233	FOXHOLM	EAST	1062	184	17.3%	132	12.4%	70	65-35
		WEST	1096	161	14.7%	126	11.5%	108	54-46
		EAST & WEST	2158	255	11.8%	229	10.6%		
237	NEKOMA	NORTH	385	62	16.1%	49	12.7%	39	56-44
		SOUTH	396	68	17.2%	51	12.9%	42	55-45
		NORTH & SOUTH	781	106	13.6%	90	11.5%		
239	NEW TOWN	EAST	1349	189	14.0%	152	11.3%	108	58-42
		WEST	1331	221	16.6%	164	12.3%	110	60-40
		EAST & WEST	2680	331	12.4%	287	10.7%		
241	BOTTINEAU	EAST	561	121	21.6%	83	14.8%	22	79-21
		WEST	584	108	18.5%	79	13.5%	44	64-36
		EAST & WEST	1145	162	14.1%	139	12.1%		
251	HAGUE	NORTH	391	146	37.3%	49	12.5%	32	60-40
		SOUTH	391	116	29.7%	51	13.0%	45	53-47
		NORTH & SOUTH	782	177	22.6%	91	11.6%		
253	RUGBY	EAST	1341	200	14.9%	155	11.6%	153	50-50
		WEST	1325	239	18.0%	163	12.3%	142	53-47
		EAST & WEST	2666	356	13.4%	300	11.3%		
255	CROSBY	EAST	320	71	22.2%	45	14.1%	22	67-33
		WEST	312	66	21.2%	43	13.8%	31	58-42
		EAST & WEST	632	96	15.2%	76	12.0%		
257	WILLISTON	EAST	599	108	18.0%	74	12.4%	44	63-37
		WEST	607	94	15.5%	81	13.3%	52	61-39
		EAST & WEST	1206	146	12.1%	131	10.9%		
261	CARRINGTON	NORTH	832	192	23.1%	108	13.0%	60	64-36
		SOUTH	829	147	17.7%	95	11.5%	83	53-47

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2009**

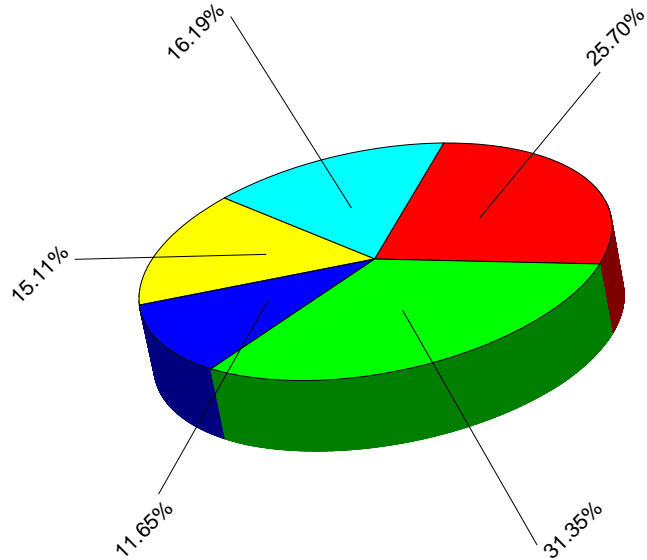
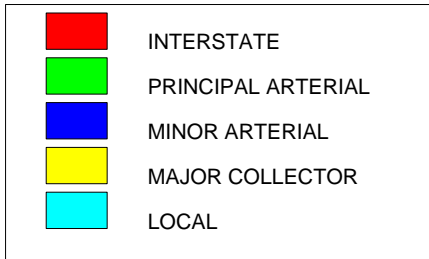
STATION NUMBER	STATION NAME	DIRECTION	ANNUAL AVERAGE DAILY TRAFFIC (AADT)	---- PEAK HOUR ----		----- DESIGN HOUR -----			
				VOLUME	% OF AADT	VOLUME	% OF AADT	VOLUME OPPOSITE DIR	DIRECTIONAL DISTRIBUTION
PRINCIPAL ARTERIAL RURAL									
261	CARRINGTON	NORTH & SOUTH	1661	210	12.6%	184	11.1%		
271	GOLDEN VALLEY	EAST	390	69	17.7%	47	12.1%	37	56-44
		WEST	394	104	26.4%	57	14.5%	20	74-26
		EAST & WEST	784	125	15.9%	93	11.9%		
273	NEW LEIPZIG	EAST	173	59	34.1%	29	16.8%	11	73-28
		WEST	173	42	24.3%	28	16.2%	30	48-52
		EAST & WEST	346	67	19.4%	53	15.3%		
281	SAWYER	EAST	2039	341	16.7%	301	14.8%	150	67-33
		WEST	2073	316	15.2%	296	14.3%	82	78-22
		EAST & WEST	4112	493	12.0%	456	11.1%		
303	MICHIGAN	EAST	1807	337	18.6%	266	14.7%	185	59-41
		WEST	1805	375	20.8%	259	14.3%	217	54-46
		EAST & WEST	3612	607	16.8%	476	13.2%		
307	WASHBURN	NORTH	2585	537	20.8%	405	15.7%	106	79-21
		SOUTH	2561	518	20.2%	445	17.4%	234	66-34
		NORTH & SOUTH	5146	804	15.6%	689	13.4%		
MINOR ARTERIAL RURAL									
231	GRAFTON	EAST	1270	192	15.1%	144	11.3%	69	68-32
		WEST	1271	209	16.4%	164	12.9%	113	59-41
		EAST & WEST	2541	317	12.5%	277	10.9%		
247	COURTENAY	NORTH	232	67	28.9%	37	15.9%	14	73-27
		SOUTH	231	46	19.9%	30	13.0%	18	63-38
		NORTH & SOUTH	463	75	16.2%	58	12.5%		
249	GARRISON	EAST	629	129	20.5%	89	14.1%	53	63-37
		WEST	625	159	25.4%	98	15.7%	59	62-38
		EAST & WEST	1254	182	14.5%	167	13.3%		
275	HANNOVER	NORTH	306	86	28.1%	42	13.7%	55	43-57
		SOUTH	297	86	29.0%	43	14.5%	34	56-44
		NORTH & SOUTH	603	118	19.6%	79	13.1%		
289	MANNING	NORTH	1306	203	15.5%	145	11.1%	105	58-42
		SOUTH	1285	218	17.0%	168	13.1%	134	56-44
		NORTH & SOUTH	2591	364	14.0%	287	11.1%		
MAJOR COLLECTOR - COUNTY									
225	STERLING	EAST	303	74	24.4%	47	15.5%	24	66-34
		WEST	279	67	24.0%	36	12.9%	22	62-38
		EAST & WEST	582	85	14.6%	71	12.2%		
259	AYR	EAST	184	43	23.4%	29	15.8%	12	71-29
		WEST	179	43	24.0%	28	15.6%	13	68-32
		EAST & WEST	363	71	19.6%	50	13.8%		
277	REGENT	NORTH	155	71	45.8%	28	18.1%	21	57-43
		SOUTH	162	42	25.9%	29	17.9%	11	73-28

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2009**

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	317	79	24.9%	51	16.1%		
MAJOR COLLECTOR - STATE									
267	TRENTON	NORTH	1271	150	11.8%	127	10.0%	113	53-47
		SOUTH	1259	252	20.0%	144	11.4%	90	62-38
		NORTH & SOUTH	2530	259	10.2%	244	9.6%		
PRINCIPAL ARTERIAL URBAN									
287	GRAND FORKS	NORTH	9866	1,046	10.6%	965	9.8%	1011	49-51
		SOUTH	9853	1,161	11.8%	1058	10.7%	920	53-47
		NORTH & SOUTH	19719	2,109	10.7%	2003	10.2%		
501	FARGO (U)	NORTH	12100	1,431	11.8%	1338	11.1%	766	64-36
		SOUTH	13183	1,657	12.6%	1529	11.6%	1071	59-41
		NORTH & SOUTH	25283	2,907	11.5%	2558	10.1%		
601	BISMARCK (U)	SOUTH	11605	1,360	11.7%	1240	10.7%		-
603	WILLISTON (U)	EAST	2572	324	12.6%	280	10.9%	236	54-46
		WEST	2536	330	13.0%	276	10.9%	242	53-47
		EAST & WEST	5108	607	11.9%	538	10.5%		
605	MANDAN (U)	EAST	9587	1,013	10.6%	908	9.5%	509	64-36
		WEST	10226	1,448	14.2%	1231	12.0%	884	58-42
		EAST & WEST	19813	2,346	11.8%	2105	10.6%		
MINOR ARTERIAL-URBAN									
607	DICKINSON (U)	EAST	1447	233	16.1%	205	14.2%	150	58-42
		WEST	1478	219	14.8%	184	12.4%	71	72-28
		EAST & WEST	2925	421	14.4%	356	12.2%		
611	MINOT (U)	EAST	1283	217	16.9%	177	13.8%	118	60-40
		WEST	1453	233	16.0%	192	13.2%	147	57-43
		EAST & WEST	2736	398	14.5%	335	12.2%		
COLLECTOR URBAN									
609	MINOT (U)	EAST	1193	168	14.1%	140	11.7%	125	53-47
		WEST	1165	190	16.3%	152	13.0%	111	58-42
		EAST & WEST	2358	334	14.2%	284	12.0%		

2009 COMPARISON OF VEHICLE MILES TO RURAL ROAD MILES

Vehicle Miles Traveled



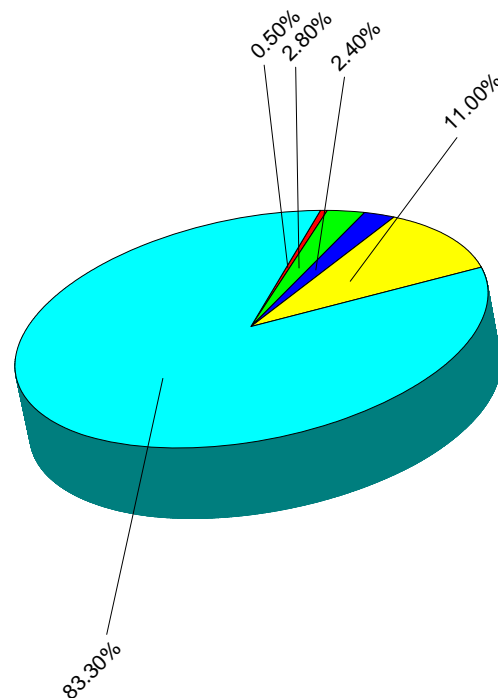
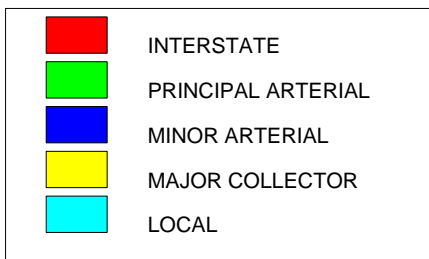
Interesting facts:

--Local roads comprise 83.3% of the roads in the state but only carry 16.19% of the traffic.

--Interstates comprise less than 1% of the roads but carry 25.7% of the traffic.

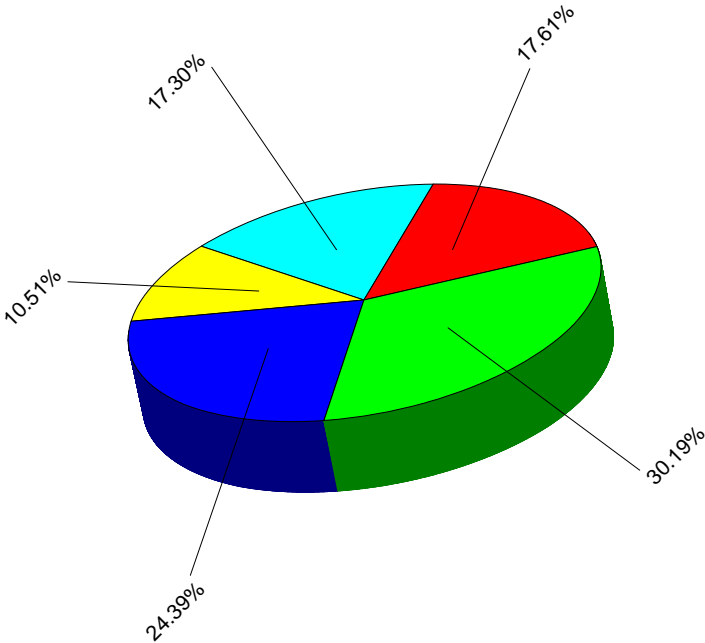
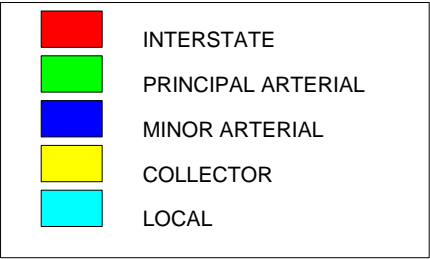
--Principal Arterials comprise only 2.8% of the roads but carry 31.35% of the traffic.

Road Miles



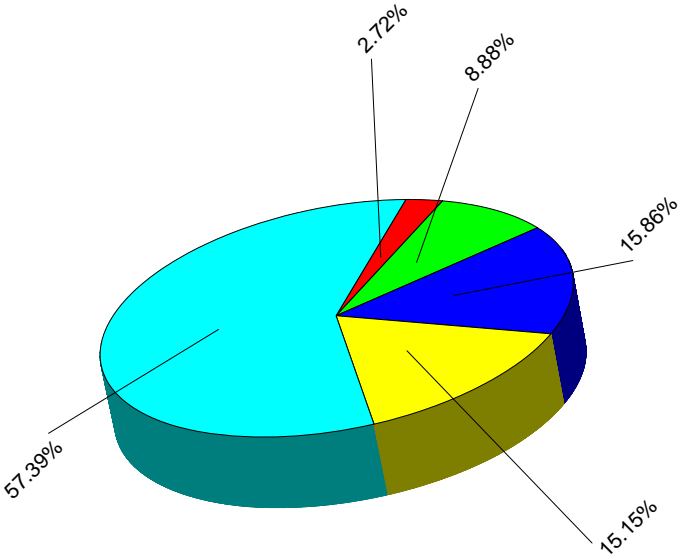
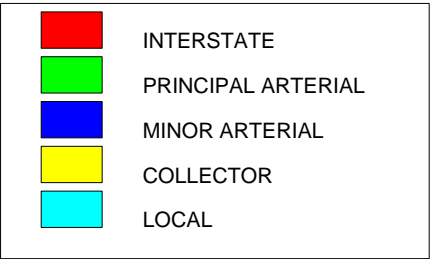
2009 COMPARISON OF VEHICLE MILES TO URBAN ROAD MILES

Vehicle Miles Traveled



Interesting fact:
 --Local roads comprise 57.39% of the urban roads in the state but carry only 17.3% of the traffic.

Road Miles



**NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
SUMMARY OF 2009 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	135.0	384.3	0.0	0.0	0.0	519.3	519.3
INTERSTATE URBAN	10.4	41.5	0.0	0.0	0.0	51.9	51.9
TOTAL	145.4	425.7	0.0	0.0	0.0	571.1	571.1
PRINCIPAL ARTERIAL RURAL	2,813.4	116.2	0.0	0.0	0.0	2,929.6	2,085.2
PRINCIPAL ARTERIAL URBAN	102.1	49.1	0.0	0.0	0.0	151.2	65.7
TOTAL	2,915.5	165.2	0.0	0.0	0.0	3,080.8	2,150.9
MINOR ARTERIAL RURAL	2,514.4	1.5	0.0	0.0	0.0	2,515.8	
MINOR ARTERIAL URBAN	9.0	2.4	0.0	0.0	0.0	11.4	
TOTAL	2,523.4	3.9	0.0	0.0	0.0	2,527.3	
MAJOR COLLECTOR	1,155.5	6.3	0.0	0.0	0.0	1,161.8	
TOTAL	1,155.5	6.3	0.0	0.0	0.0	1,161.8	
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	6,782.8	601.1	0.5	0.0	0.0	7,384.4	2,722.1
COUNTY							
MAJOR COLLECTOR RURAL	4,415.3	40.7	5,636.2	1.0	3.5	10,096.6	
MAJOR COLLECTOR CITY	195.5	4.4	70.1	0.1	0.0	270.2	
TOTAL	4,610.8	45.1	5,706.3	1.1	3.5	10,366.8	
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	1,082.1	35.7	52,390.7	6,342.9	25,194.3	85,045.7	
LOCAL ROADS CITY	1,041.4	3.9	970.9	42.3	122.6	2,181.1	
TOTAL	2,123.5	39.6	53,361.6	6,385.2	25,316.9	87,226.8	
TOTAL COUNTY SYSTEM	6,736.8	84.7	59,067.9	6,386.3	25,320.4	97,596.1	2.5
URBAN							
PRINCIPAL ARTERIAL	6.9	11.3	0.0	0.0	0.0	18.2	
MINOR ARTERIAL	212.9	48.6	28.4	0.0	1.0	290.9	
COLLECTOR	217.8	44.6	23.9	0.0	2.6	289.0	
LOCAL STREETS	779.8	147.1	150.1	2.3	12.2	1,091.6	
TOTAL URBAN SYSTEM	1,217.5	251.6	202.5	2.3	15.8	1,689.7	
TOTAL RURAL ROADS	13,395.3	592.9	59,068.4	6,386.3	25,320.4	104,763.3	
TOTAL CITY STREETS	1,341.8	344.6	202.5	2.3	15.8	1,907.0	
TOTAL	14,737.1	937.5	59,270.8	6,388.6	25,336.2	106,670.2	
TOTAL NHS							2,724.6

FUNCTIONAL SYSTEM MILEAGE

SYSTEM	RURAL	URBAN	TOTAL
INTERSTATE	519.3	51.9	571.1
PRINCIPAL	2,932.1	169.4	3,101.4
MINOR	2,515.8	302.4	2,818.2
COLLECTOR	11,528.6	289.0	11,817.6
LOCAL	87,267.5	1,094.4	88,361.9
TOTAL	104,763.3	1,907.0	106,670.2

2009 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	41,796	113,350	112,666	45,372	37,304	350,488
DEVILS LAKE		17,966	5,797	5,294	7,056	36,113
DICKINSON	11,173	27,960	25,100	9,724	26,788	100,744
FARGO	207,632	163,677	180,022	66,865	147,724	765,920
GRAFTON		7,346	1,334	2,050	3,689	14,419
GRAND FORKS	14,819	107,174	54,981	34,862	36,272	248,108
JAMESTOWN	16,179	26,078	8,944	10,248	14,233	75,683
MANDAN	50,152	38,766	25,770	4,701	10,092	129,481
MINOT		106,301	53,574	27,576	47,442	234,892
VALLEY CITY	16,541	6,462	5,824	4,911	6,494	40,231
WAHPETON		12,799	7,992	5,298	10,241	36,330
WEST FARGO	36,466	17,402	44,552	13,644	23,324	135,388
WILLISTON		31,630	20,279	5,177	17,341	74,426
TOTAL	394,758	676,911	546,834	235,722	388,000	2,242,224

The 2009 figures for the Interstate in both Fargo and West Fargo show a significant change from the 2008 Annual Report. This change was not as large as the numbers seem to indicate. It was primarily the result of a change in the Urban Limit Boundary separating the two cities.

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

2009 RURAL ANNUAL VEHICLE MILES OF TRAVEL BY FUNCTIONAL CLASS

(VEHICLE MILES OF TRAVEL SHOWN IN THOUSANDS)

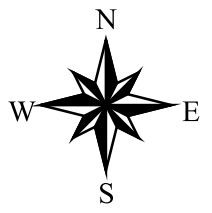
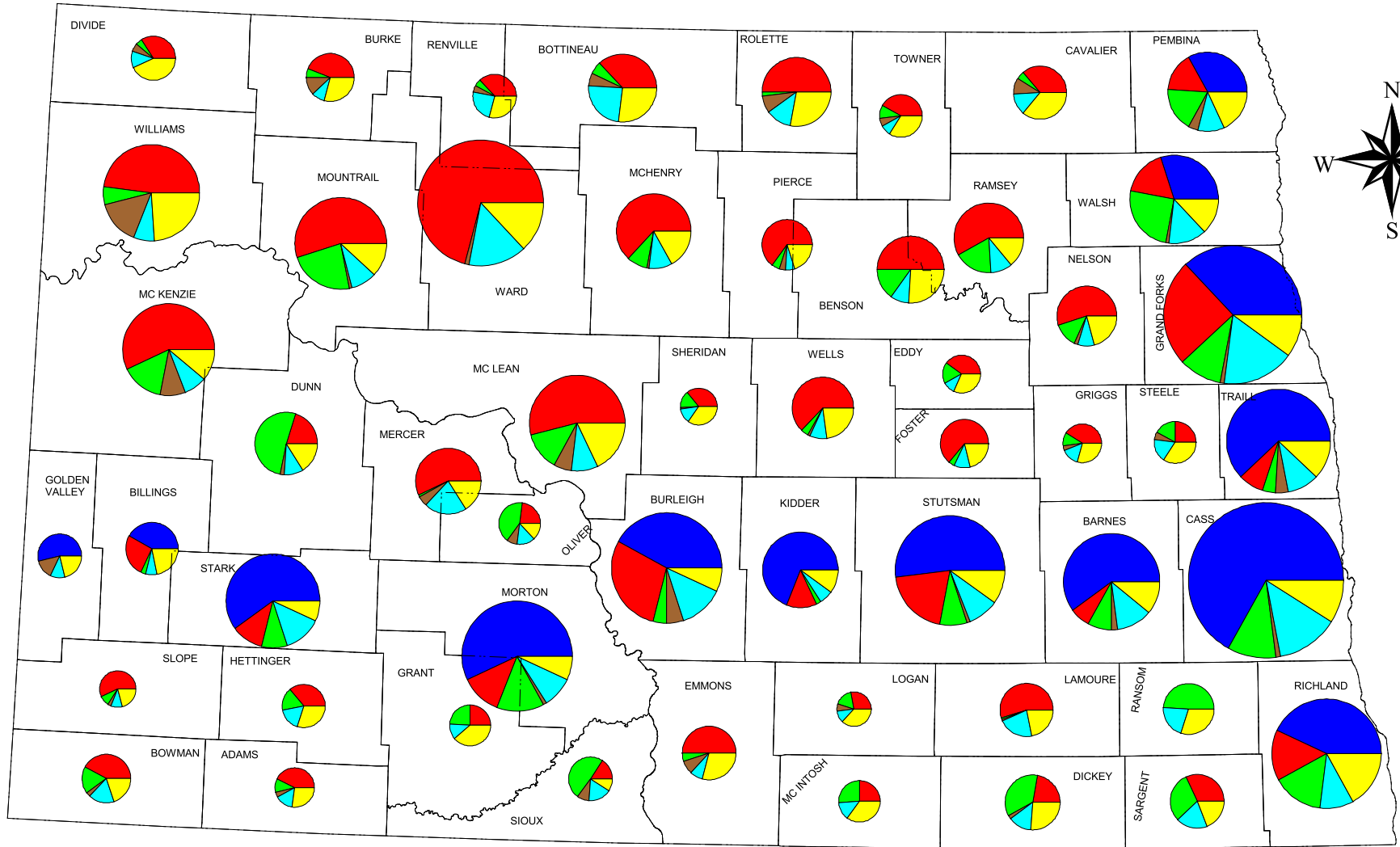
COUNTY	INTERSTATE	PRINCIPAL ARTERIAL	MINOR ARTERIAL	STATE MAJOR COLLECTOR	COUNTY MAJOR COLLECTOR	LOCAL ROADS	TOTAL
ADAMS		13,255	3,437	1,194	4,480	8,310	30,676
BARNES	112,299	13,786	15,146	3,298	21,859	19,407	185,794
BENSON		45,749	13,788	247	8,597	23,387	91,767
BILLINGS	23,659	14,558	1,908		3,833	12,051	56,008
BOTTINEAU		34,837	5,372	6,051	22,473	25,626	94,358
BOWMAN		20,009	8,533	1,246	8,265	9,917	47,970
BURKE		20,740	2,699	5,493	4,031	13,725	46,689
BURLEIGH	100,738	69,126	9,853	12,200	30,062	17,999	239,978
CASS	301,392		43,600	5,142	60,918	41,090	452,143
CAVALIER		20,794	2,860	5,702	7,433	20,713	57,502
DICKEY		13,774	21,999	1,157	8,660	16,139	61,729
DIVIDE		13,452	1,775	2,277	4,701	17,002	39,207
DUNN		15,796	41,789	1,777	7,651	13,005	80,019
EDDY		11,359	5,037		2,763	8,967	28,125
EMMONS		29,531	2,823	4,977	4,947	16,585	58,863
FOSTER		30,289	1,767		5,043	10,201	47,298
GOLDEN VALLEY	20,992			5,445	4,400	7,749	38,586
GRAND FORKS	136,335	90,648	34,571	2,045	62,967	37,292	363,858
GRANT		8,189	8,107		3,896	13,054	33,245
GRIGGS		12,170	3,139	1,140	4,470	8,637	29,556
HETTINGER		13,604	6,523		6,333	10,866	37,327
KIDDER	79,802	14,727	2,730		6,721	12,043	116,023
LAMOURE		31,676	434	412	12,119	13,115	57,754
LOGAN		6,403	3,753	1,587	2,392	8,404	22,539
MC HENRY		71,083	10,506	750	11,145	20,065	113,548
MC INTOSH		8,402	8,729		4,845	12,224	34,199
MC KENZIE		96,609	24,955	15,033	13,403	19,840	169,839
MC LEAN		98,806	23,606	10,624	15,832	34,452	183,319
MERCER		50,176	692	4,733	19,005	13,819	88,425
MORTON	137,516	27,752	33,011	2,591	20,512	18,605	239,988
MOUNTRAIL		93,454	39,444	1,900	15,900	18,424	169,122
NELSON		40,281	9,630	1,312	6,688	15,477	73,388
OLIVER		8,061	14,459	2,705	4,812	4,676	34,712
PEMBINA	41,449	20,347	22,721	5,139	13,900	23,576	127,132
PIERCE		33,652	2,818	2,078	3,008	10,302	51,858
RAMSEY		57,151	17,813		10,280	14,000	99,245
RANSOM			25,678		11,107	15,704	52,490
RENVILLE		14,208	1,912	1,842	9,035	11,060	38,057
RICHLAND	102,315	35,327	35,083		23,621	39,652	235,998
ROLETTE		48,558	1,992	7,688	11,544	26,972	96,754
SARGENT		18,841	18,004		11,028	11,320	59,192
SHERIDAN		9,379	4,039	240	3,336	9,342	26,336
SIOUX		6,354	18,828	3,360	6,704	3,281	38,527
SLOPE		14,688	2,401	797	2,621	5,228	25,735
STARK	105,439	18,990	16,831		23,283	12,647	177,191
STEELE		8,559	5,972	1,943	6,382	12,061	34,918
STUTSMAN	122,639	46,686	18,111	2,651	21,257	25,082	236,426
TOWNER		15,375	3,566	2,273	3,049	12,338	36,600
TRAILL	132,736	17,022	9,098	8,008	22,364	24,439	213,667
WALSH	47,916	26,519	38,808	1,387	21,514	21,306	157,451
WARD		218,477		4,155	44,584	39,251	306,467
WELLS		48,909	3,161	742	6,623	18,062	77,496
WILLIAMS		88,893	10,831	27,781	13,675	44,458	185,638
TOTAL	1,465,229	1,787,029	664,340	171,122	690,070	922,946	5,700,736

2009 ANNUAL VEHICLE MILES OF TRAVEL BY COUNTY

(VEHICLE MILES OF TRAVEL SHOWN IN THOUSANDS)

COUNTY	RURAL	URBAN	COUNTY TOTAL	PERCENT OF STATE TRAVEL
ADAMS	30,676		30,676	0.39%
BARNES	185,794	40,231	226,025	2.85%
BENSON	91,767		91,767	1.16%
BILLINGS	56,008		56,008	0.71%
BOTTINEAU	94,358		94,358	1.19%
BOWMAN	47,970		47,970	0.60%
BURKE	46,689		46,689	0.59%
BURLEIGH	239,978	350,488	590,466	7.43%
CASS	452,143	901,308	1,353,451	17.04%
CAVALIER	57,502		57,502	0.72%
DICKEY	61,729		61,729	0.78%
DIVIDE	39,207		39,207	0.49%
DUNN	80,019		80,019	1.01%
EDDY	28,125		28,125	0.35%
EMMONS	58,863		58,863	0.74%
FOSTER	47,298		47,298	0.60%
GOLDEN VALLEY	38,586		38,586	0.49%
GRAND FORKS	363,858	248,108	611,966	7.70%
GRANT	33,245		33,245	0.42%
GRIGGS	29,556		29,556	0.37%
HETTINGER	37,327		37,327	0.47%
KIDDER	116,023		116,023	1.46%
LAMOURE	57,754		57,754	0.73%
LOGAN	22,539		22,539	0.28%
MC HENRY	113,548		113,548	1.43%
MC INTOSH	34,199		34,199	0.43%
MC KENZIE	169,839		169,839	2.14%
MC LEAN	183,319		183,319	2.31%
MERCER	88,425		88,425	1.11%
MORTON	239,988	129,481	369,469	4.65%
MOUNTRAIL	169,122		169,122	2.13%
NELSON	73,388		73,388	0.92%
OLIVER	34,712		34,712	0.44%
PEMBINA	127,132		127,132	1.60%
PIERCE	51,858		51,858	0.65%
RAMSEY	99,245	36,113	135,359	1.70%
RANSOM	52,490		52,490	0.66%
RENVILLE	38,057		38,057	0.48%
RICHLAND	235,998	36,330	272,327	3.43%
ROLETTE	96,754		96,754	1.22%
SARGENT	59,192		59,192	0.75%
SHERIDAN	26,336		26,336	0.33%
SIOUX	38,527		38,527	0.49%
SLOPE	25,735		25,735	0.32%
STARK	177,191	100,744	277,936	3.50%
STEELE	34,918		34,918	0.44%
STUTSMAN	236,426	75,683	312,109	3.93%
TOWNER	36,600		36,600	0.46%
TRAILL	213,667		213,667	2.69%
WALSH	157,451	14,419	171,869	2.16%
WARD	306,467	234,892	541,359	6.82%
WELLS	77,496		77,496	0.98%
WILLIAMS	185,638	74,426	260,065	3.27%
TOTAL	5,700,736	2,242,224	7,942,961	100.00%

2009 RURAL ANNUAL VEHICLE MILES OF TRAVEL BY FUNCTIONAL CLASSIFICATION



(45)

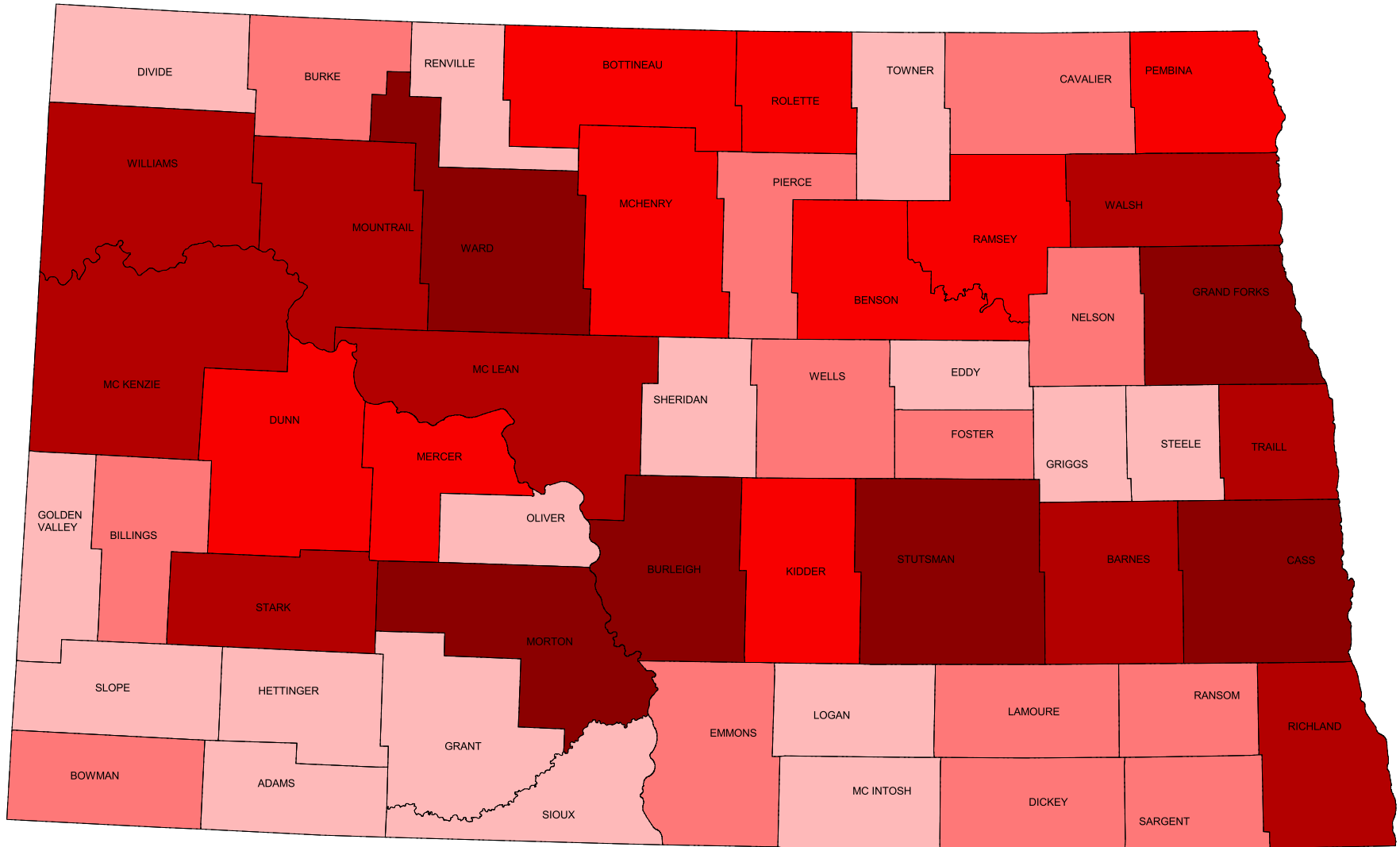
Vehicle Miles of Travel

Blue	Interstate
Red	Principal Arterial
Green	Minor Arterial
Brown	State Major Collector
Cyan	County Major Collector
Yellow	Local Roads

NOTES: - Data from page 43 of this report.
 - Vehicle miles of travel shown in thousands.
 - The size of the circle corresponds to total VMT by county.

Planning & Programming Division
 Transportation Data
 December 2009

2009 TOTAL ANNUAL VEHICLE MILES OF TRAVEL



(46)

Vehicle Miles of Travel

- 1 - 40000
- 40001 - 80000
- 80001 - 150000
- 150001 - 300000
- 300001 and greater

NOTES: - Data from page 44 of this report.
 - Vehicle miles of travel shown in thousands.



Planning & Programming Division
 Transportation Data
 December 2009

Daily Truck VMT for Statewide

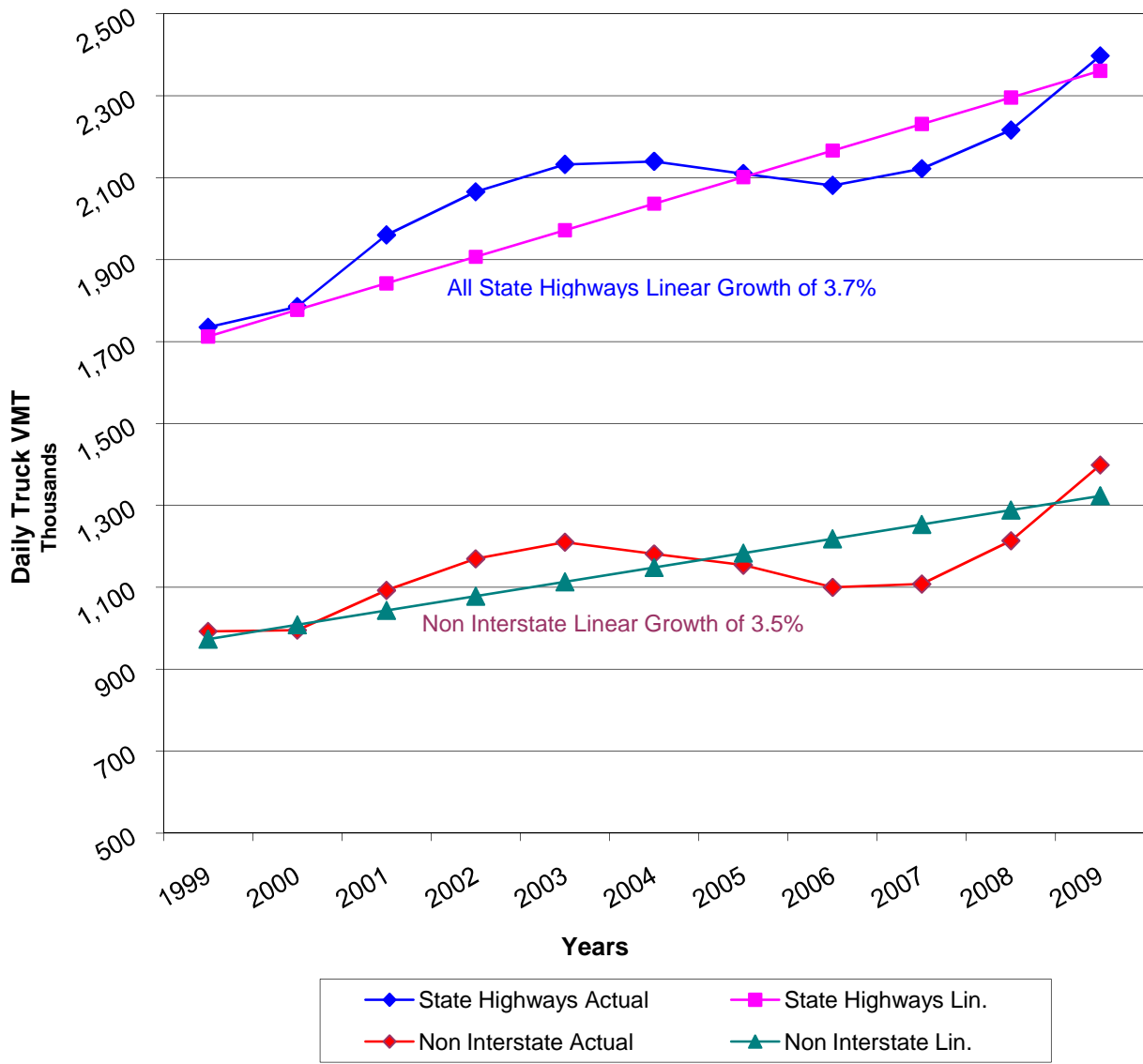
All State Highways

Years	Total Daily VMT	Total Daily Truck VMT	<i>Linear Estimated</i> Total Daily Truck VMT	% Total Trucks	% Combination Trucks
1994	9,903,875	1,321,457	1,388,099	13.34%	9.34%
1995	10,193,061	1,348,124	1,452,934	13.23%	9.23%
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%
2024			3,333,140		

Non Interstate Highways

Years	Total Daily VMT	Total Daily Truck VMT	<i>Linear Estimated</i> Total Daily Truck VMT	% Total Trucks	% Combination Trucks
1994	6,424,179	762,489	798,731	11.87%	8.87%
1995	6,603,919	780,634	833,704	11.82%	8.82%
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%
2024			1,847,938		

Daily Truck VMT for Statewide



Daily Truck VMT for Interstate

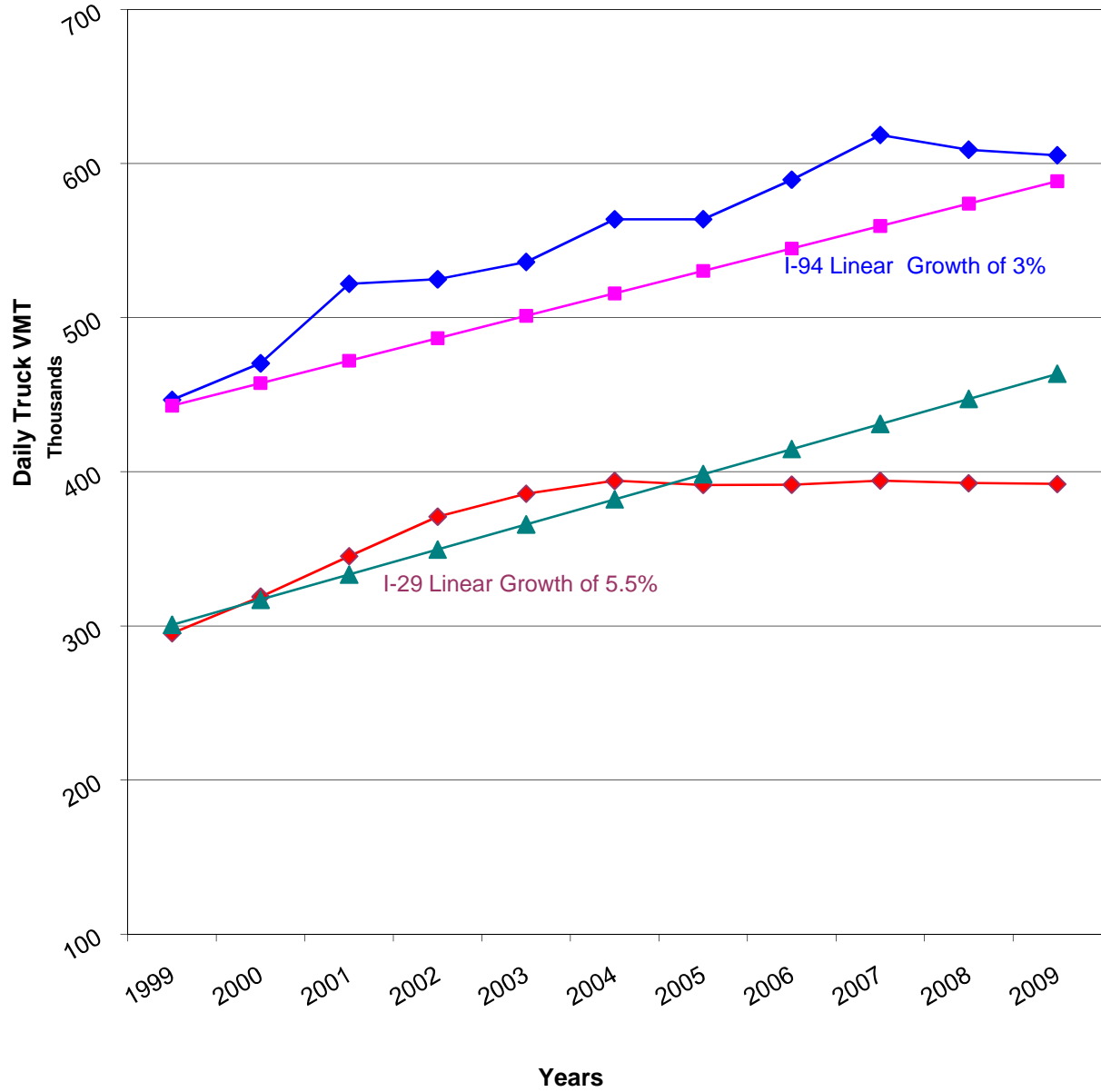
I - 94

Years	Total Daily VMT	Total Daily Truck VMT	<i>Linear Estimated</i> Total Daily Truck VMT	% Total Trucks	% Combination Trucks
1994	2,139,975	358,732	370,148	16.76%	12.76%
1995	2,228,543	364,708	384,706	16.37%	12.37%
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%
2024			806,901		

I - 29

Years	Total Daily VMT	Total Daily Truck VMT	<i>Linear Estimated</i> Total Daily Truck VMT	% Total Trucks	% Combination Trucks
1994	1,318,732	199,360	219,335	15.12%	12.12%
1995	1,339,467	201,894	235,614	15.07%	12.07%
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%
2024			707,706		

Daily Truck VMT for Interstate



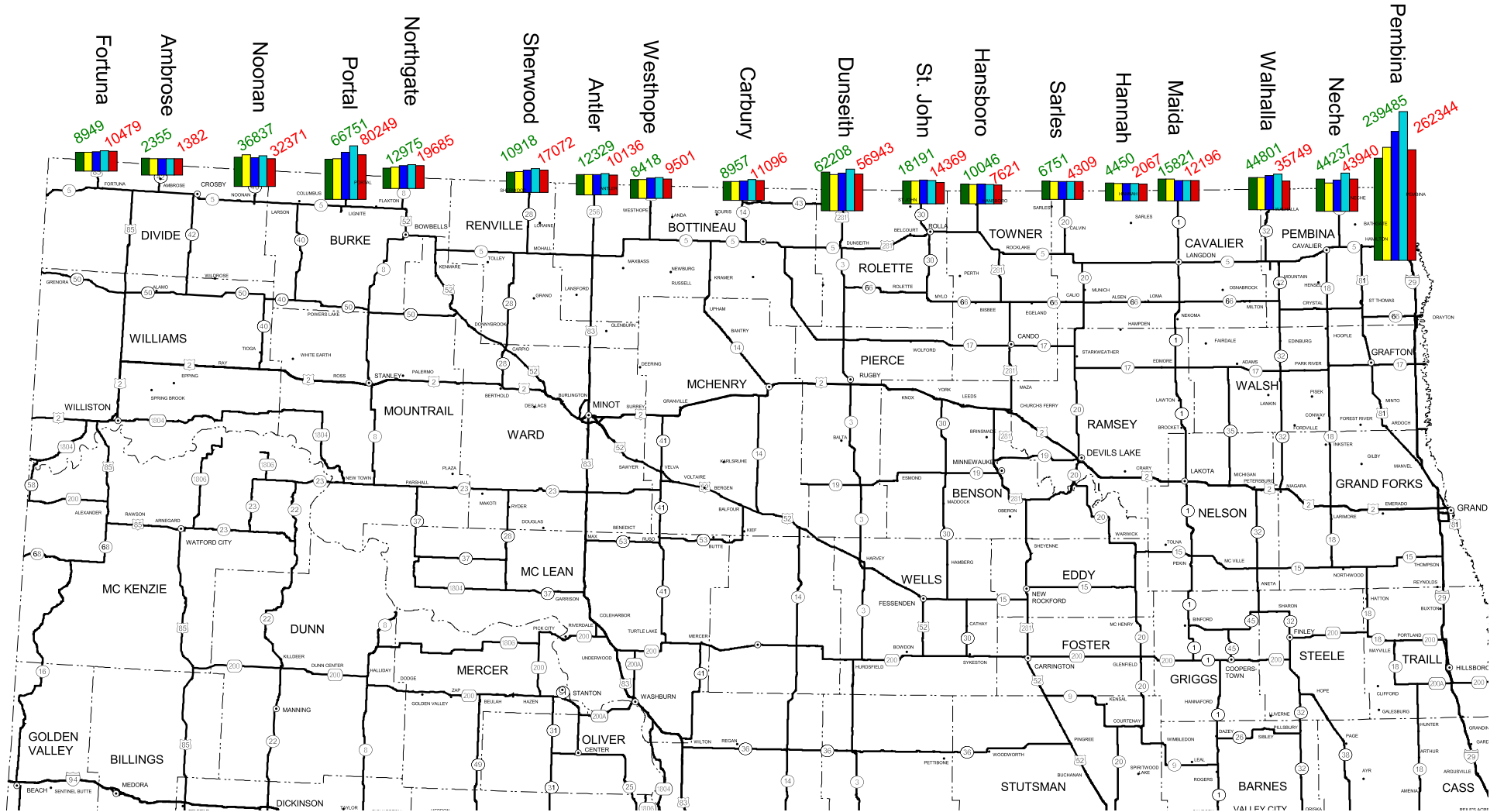
—◆— I-94 Actual —■— I-94 Lin. —◆— I-29 Actual —▲— I-29 Lin.

BORDER CROSSINGS
(VEHICLES ENTERING THE UNITED STATES FROM CANADA)

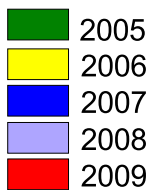
PORT OF ENTRY	HWY	----- AUTOMOBILES -----			----- TRUCKS -----		
		FISCAL 2008	FISCAL 2009	% CHANGE	FISCAL 2008	FISCAL 2009	% CHANGE
FORTUNA	85	11,804	10,479	-11.23%	3,558	2,804	-21.19%
AMBROSE	42	1,862	1,382	-25.78%	254	267	5.12%
NOONAN	40	41,556	32,371	-22.10%	3,168	5,102	61.05%
PORTAL	52	104,360	80,249	-23.10%	84,883	71,287	-16.02%
NORTHGATE	8	22,680	19,685	-13.21%	8,483	16,407	93.41%
SHERWOOD	28	21,174	17,072	-19.37%	3,284	7,083	115.68%
ANTLER	256	14,214	10,136	-28.69%	696	1,101	58.19%
WESTHOPE	83	13,676	9,501	-30.53%	4,956	7,017	41.59%
CARBURY	14	13,836	11,096	-19.80%	712	565	-20.65%
DUNSEITH	281	70,334	56,943	-19.04%	32,349	23,668	-26.84%
ST. JOHN	30	20,110	14,369	-28.55%	2,963	1,642	-44.58%
HANSBORO	4	9,406	7,621	-18.98%	1,480	1,255	-15.20%
SARLES	20	4,844	4,309	-11.04%	1,593	1,172	-26.43%
HANNAH	CMC 1013	3,024	2,067	-31.65%	67	46	-31.34%
MAIDA	1	12,577	12,196	-3.03%	2,568	1,126	-56.15%
WALHALLA	32	54,445	35,749	-34.34%	15,953	13,654	-14.41%
NECHE	18	61,020	43,940	-27.99%	16,966	14,131	-16.71%
PEMBINA	I-29	367,625	262,344	-28.64%	247,951	194,115	-21.71%
TOTAL		848,547	631,509	-25.58%	431,884	362,442	-16.08%

Total Auto Volume Entering from Canada

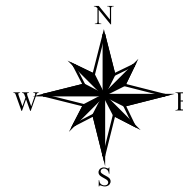
(52)



LEGEND



The size of the graph corresponds to total autos by border crossing



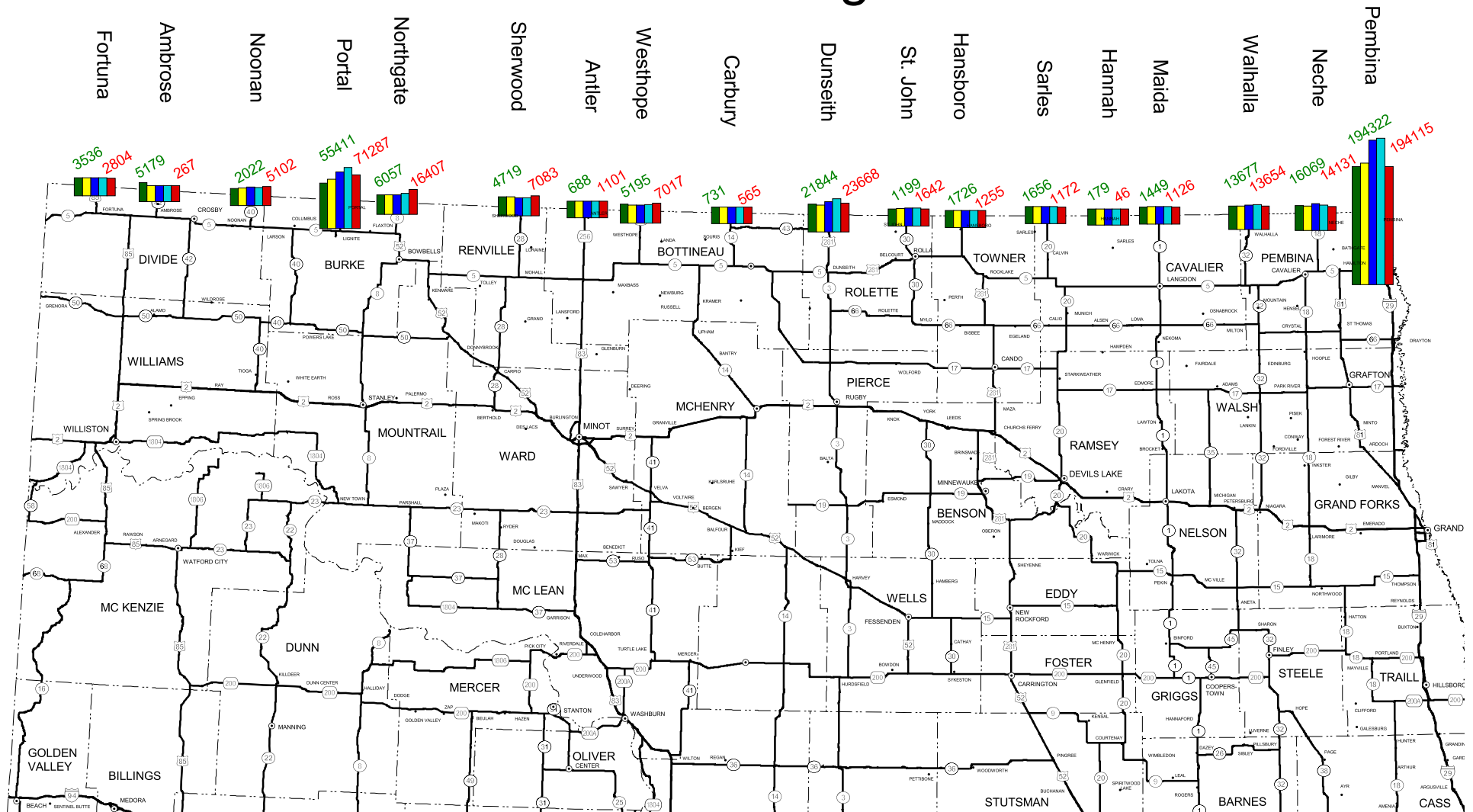
NOTE: Data from Pembina District Border Ports of Entry - Fiscal years - Oct. 1 - Sept. 30.

Planning & Programming Division - Transportation Data
December 2009

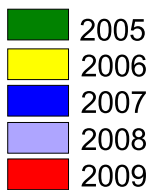
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Total Truck Volume Entering from Canada

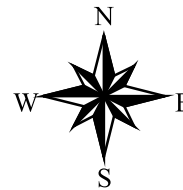
(53)



LEGEND



The size of the graph corresponds to total trucks by border crossing



NOTE: Data from Pembina District Border Ports of Entry - Fiscal years - Oct. 1 - Sept. 30.

Planning & Programming Division - Transportation Data
December 2009

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