

NORTH DAKOTA 2020 TRAFFIC REPORT



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

August 2021

NORTH DAKOTA 2020 TRAFFIC REPORT

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

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Contents

	<u>Page</u>
Overview	1
FHWA 13 Class Scheme	2
History of Traffic and Related Data.....	3
Graph of Traffic and Related Data	5
Twelve Major City Coverage Counts.....	8
ATR Location and Description.....	9
Maps:	
State Traffic Counting Regions 2020 and after.....	6
State Traffic Counting Regions from 2012 to 2016	7
ATR Stations Map.....	12
WIM Stations Map	13
National Highway System	14
Traffic Flow Map – Traffic Data 2020.....	15
AADT Map	16
Truck AADT Map	17
Equivalent Single Axle Loads Map	18
Sugar Beet Production and Truck Routes	19
ATR Data:	
AADT Trends at Each Station	20
Truck Trends at Each ATR Station	22
Total Traffic Variations:	
Hourly.....	24

Daily	30
Monthly.....	31
Seasonal	33

Truck Traffic Variations:

Daily	34
Monthly.....	35
Seasonal	36

Peak Hour, Design Hour and Directional Distribution at ATR Stations.....	37
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Vehicle Miles Estimates:

Miles Traveled Versus Miles of Road Served.....	43
Summary of Existing Mileage for Rural and Urban Roads.....	45
Annual VMT for the 12 Major Cities	46
Rural Annual VMT by Functional Class	47
Annual Vehicle Miles Travel by County	48
2020 Rural Annual VMT Map.....	49
2020 Total Annual VMT Map	50
Statewide VMT.....	51
VMT for Interstate	54

Border Crossings Summary.....	57
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Total Auto Volume Entering from Canada Map	58
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Total Truck Volume Entering from Canada Map	59
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OVERVIEW

This report contains summaries of data obtained from studies conducted in 2020 by the North Dakota Department of Transportation (NDDOT) Planning and Asset Management Division. This Division is responsible for the collection and analysis of traffic data in North Dakota. Traffic data collection has been conducted in North Dakota since 1936. The NDDOT compiled and presented this information as an annual report starting in 1963. Due to the continuing demand for this information, the annual report has continued to ensure that this information is readily available.

Included maps, graphs, and tabulations illustrate annual average daily traffic (AADT). They also illustrate percentage of travel by hour, month, and season and illustrate estimates of annual vehicle miles traveled (VMT) by highway system. The data was obtained from the following sources:




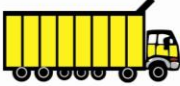












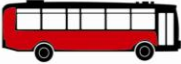
















1. Automatic traffic recorders (ATRs) continuously record hourly volumes of traffic throughout the year. A list of 81 ATR stations with their locations are presented on pages 9, 10 and 11. The counter locations are shown on the map on page 12.
2. Short-term traffic counts were obtained with portable equipment. Short term counts were obtained at approximately 2974 locations on various highways, roads, and streets primarily in the western third of the state along with all Interstates statewide.
3. Weigh-In-Motion (WIM) sensors continuously record the class and weight of trucks. A list of 16 WIM stations can be found on page 9 while their locations can be found the map on page 13.
4. NDDOT classifies and counts 2 types of trucks, Single Units (SU), and Combination Units (CU)
 - A) Single unit trucks are those trucks that do not articulate at or have a 5th wheel anchor plate with which to pivot a trailer, for example a Federal Express (FedEx), or United Parcel Service (UPS) type of truck (Classes 5-7).
 - B) Combination unit trucks are those trucks that can articulate one or more trailers behind the tractor, for example a standard class 9, 5 axle semi, or a triple trailer combination (Classes 8-13).

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

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

https://gis.dot.nd.gov/external/ge_html/?viewer=ext_transinfo

FHWA's 13 Vehicle Category Classification

Class 1 Motorcycles		Class 7 Four or more axle, single unit	
Class 2 Passenger cars			
			
			
			
Class 3 Four tire, single unit			
			
			
Class 4 Buses		Class 10 Six or more axle, single trailer	
			
			
Class 5 Two axle, six tire, single unit		Class 12 Six axle, multi-trailer	
			
			Class 13 Seven or more axle, multi-trailer
Class 6 Three axle, single unit			
			
			

Source: Federal Highway Administration (TMG 2013).

HISTORY OF TRAFFIC AND RELATED DATA

YEAR	POPULATION (1000'S)	VEHICLE REGISTRATIONS (REG.) (1000'S)	PERSONS PER VEHICLE REG.	GALLONS OF GAS AND FUEL TAXED (MILLIONS)	VEHICLE REG. PER 100 PERSONS	ANNUAL MILES PER VEHICLE	ANNUAL MILES TRAVELED PER CAPITA	ANNUAL VEHICLE MILES (MILLIONS)
1951	608	284	2.14	146	46.70	-	-	-
1952	613	285	2.15	152	46.50	-	-	-
1953	619	293	2.11	159	47.30	7,850	3,716	2,300
1954	623	300	2.08	164	48.20	7,840	3,775	2,352
1955	628	309	2.03	171	49.20	7,625	3,752	2,356
1956	629	311	2.02	174	49.40	7,958	3,935	2,475
1957	629	320	1.97	193	50.90	8,259	4,202	2,643
1958	620	329	1.88	204	53.10	8,544	4,534	2,811
1959	627	339	1.85	197	54.10	8,788	4,751	2,979
1960	632	345	1.83	210	54.60	8,925	4,872	3,079
1961	640	349	1.83	198	54.50	9,037	4,928	3,154
1962	642	358	1.79	212	55.80	9,014	5,026	3,227
1963	634	375	1.69	236	59.10	8,813	5,213	3,305
1964	645	385	1.68	248	59.70	8,834	5,273	3,401
1965	652	396	1.65	257	60.70	8,684	5,275	3,439
1966	650	406	1.60	253	62.50	8,562	5,348	3,476
1967	631	405	1.56	259	64.20	8,504	5,458	3,444
1968	627	414	1.51	274	66.00	8,572	5,660	3,549
1969	615	420	1.46	279	68.30	8,700	5,941	3,654
1970	618	428	1.44	302	69.30	8,895	6,160	3,807
1971	625	444	1.41	321	71.00	8,908	6,328	3,955
1972	632	464	1.36	347	73.40	8,871	6,513	4,116
1973	640	490	1.31	370	76.60	8,776	6,719	4,300
1974	637	527	1.21	353	82.70	8,294	6,862	4,371
1975	638	551	1.16	377	86.40	8,171	7,056	4,502
1976	640	563	1.14	414	88.00	8,495	7,473	4,783
1977	643	580	1.11	422	90.20	8,555	7,717	4,962
1978	652	599	1.09	444	91.90	8,826	8,109	5,287
1979	657	617	1.06	440	93.90	8,483	7,967	5,234
1980	653	627	1.04	414	96.00	8,440	8,104	5,292
1981	653	641	1.02	427	98.20	8,496	8,340	5,446
1982	653	654	1.00	429	100.20	8,228	8,240	5,381
1983	680	666	1.02	427	97.90	8,179	8,010	5,447
1984	686	661	1.04	419	96.40	8,327	8,023	5,504
1985	686	655	1.05	427	95.50	8,518	8,133	5,579
1986	685	648	1.06	419	94.60	8,694	8,225	5,634

(3)

HISTORY OF TRAFFIC AND RELATED DATA

YEAR	POPULATION (1000'S)	VEHICLE REGISTRATIONS (REG.) (1000'S)	PERSONS PER VEHICLE REG.	GALLONS OF GAS AND FUEL TAXED (MILLIONS)	VEHICLE REG. PER 100 PERSONS	ANNUAL MILES PER VEHICLE	ANNUAL MILES TRAVELED PER CAPITA	ANNUAL VEHICLE MILES (MILLIONS)
1987	679	651	1.04	420	95.90	8,800	8,437	5,729
1988	672	655	1.03	420	97.50	8,855	8,631	5,800
1989	660	637	1.04	413	96.50	9,257	8,935	5,897
1990	639	630	1.01	413	98.60	9,456	9,322	5,957
1991	639	629	1.02	405	98.40	9,537	9,388	5,999
1992	639	655	0.98	426	102.50	9,321	9,554	6,105
1993	635	662	0.96	439	104.30	9,371	9,770	6,204
1994	638	671	0.95	456	105.20	9,520	10,013	6,388
1995	641	680	0.94	459	105.90	9,639	10,211	6,546
1996	643	679	0.94	472	105.60	9,966	10,524	6,767
1997	638	680	0.93	504	106.60	10,209	10,883	6,942
1998	638	672	0.95	501	105.30	10,555	11,118	7,093
1999	634	704	0.90	503	111.00	10,086	11,200	7,101
2000	642	715	0.89	490	111.40	9,875	10,998	7,061
2001	634	735	0.86	497	115.90	9,638	11,174	7,084
2002	634	723	0.88	505	138.80	8,063	11,191	7,095
2003	634	711	0.89	513	112.20	10,253	11,500	7,290
2004	634	729	0.87	521	114.98	10,204	11,733	7,439
2005	637	719	0.89	511	112.87	10,352	11,684	7,443
2006	636	743	0.86	514	116.82	10,315	12,050	7,664
2007	640	753	0.85	524	117.66	10,177	11,973	7,663
2008	641	764	0.84	539	119.19	9,958	11,869	7,608
2009	647	774	0.84	556	119.63	10,262	12,277	7,943
2010	673	791	0.85	614	117.53	10,497	12,337	8,303
2011	684	808	0.85	709	118.13	11,344	13,401	9,166
2012	700	846	0.83	812	120.86	11,930	14,419	10,093
2013	723	870	0.83	824	120.33	11,609	13,970	10,100
2014	739	899	0.82	879	121.65	11,610	14,123	10,437
2015	756	918	0.82	834	121.43	10,979	13,332	10,079
2016	758	908	0.83	740*	119.79	10,727	12,850	9,740
2017	755	921	0.82	750	121.99	10,535	12,852	9,703
2018	760	944	0.81	766	124.21	10,451	12,982	9,866
2019	762	949	0.80	762	124.54	10,388	12,938	9,859
2020	779	932	0.84	689	119.64	9,345	11,220	8,741

FUEL TAXED INCLUDES GALLONS OF GAS FOR OTHER THAN MOTOR VEHICLES

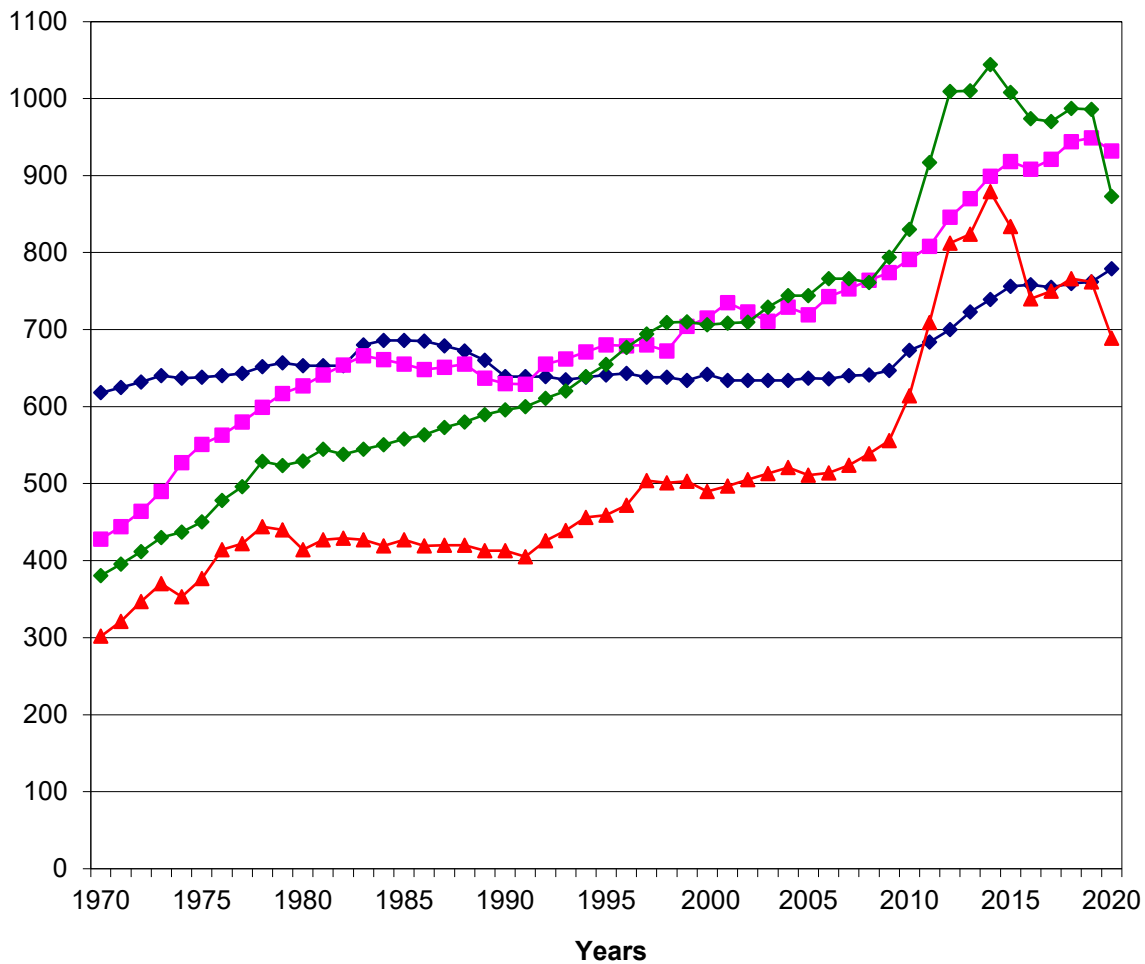
Annual Vehicle Miles figures are for all roads in the state including trails and unimproved roads

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

*2016 Gallons of Gas and Fuel Taxed (Millions) were revised by the ND Tax Department

Traffic and Related Trends

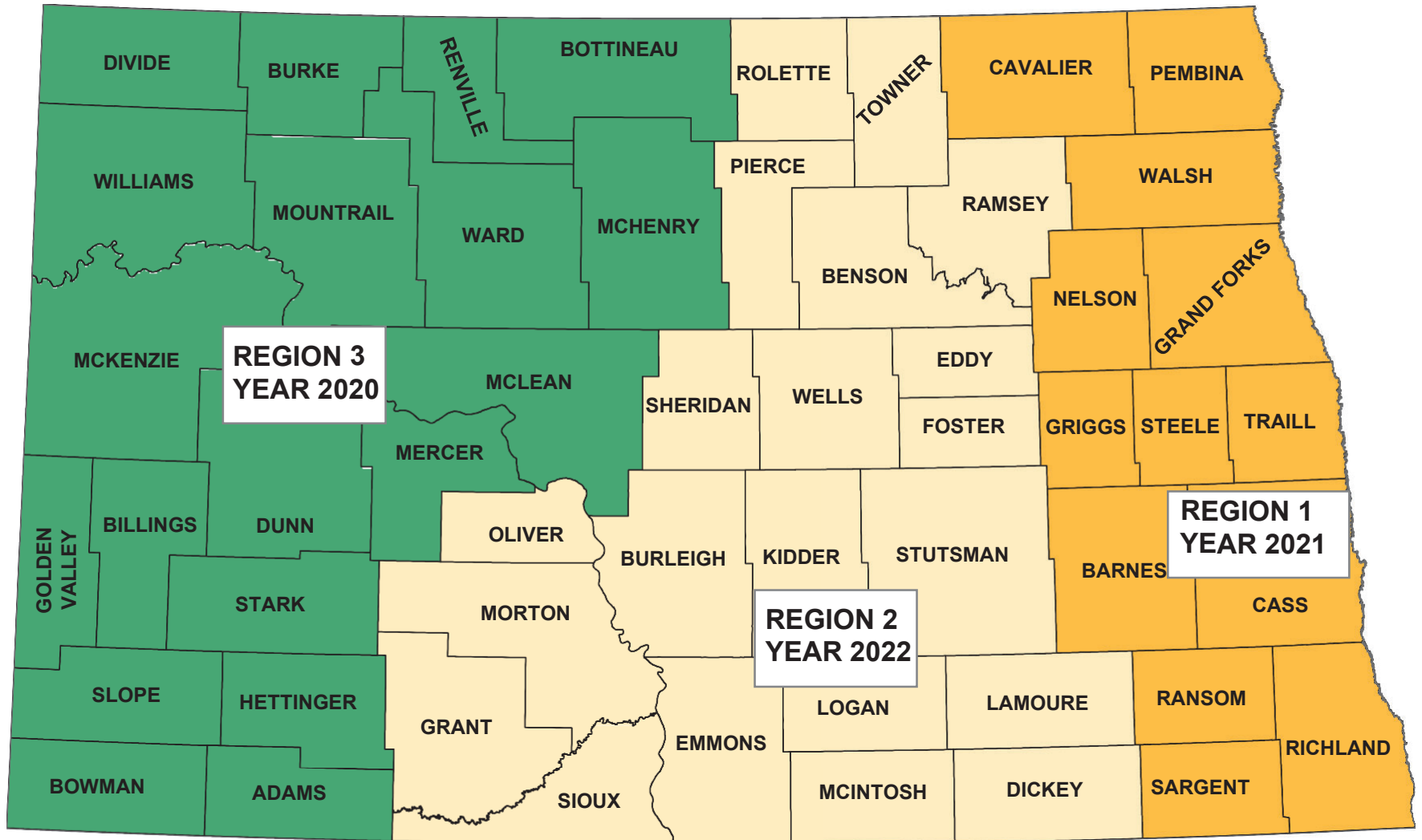
For the Years 1970 - 2020



North Dakota Department of Transportation Current Traffic Counting Cycle



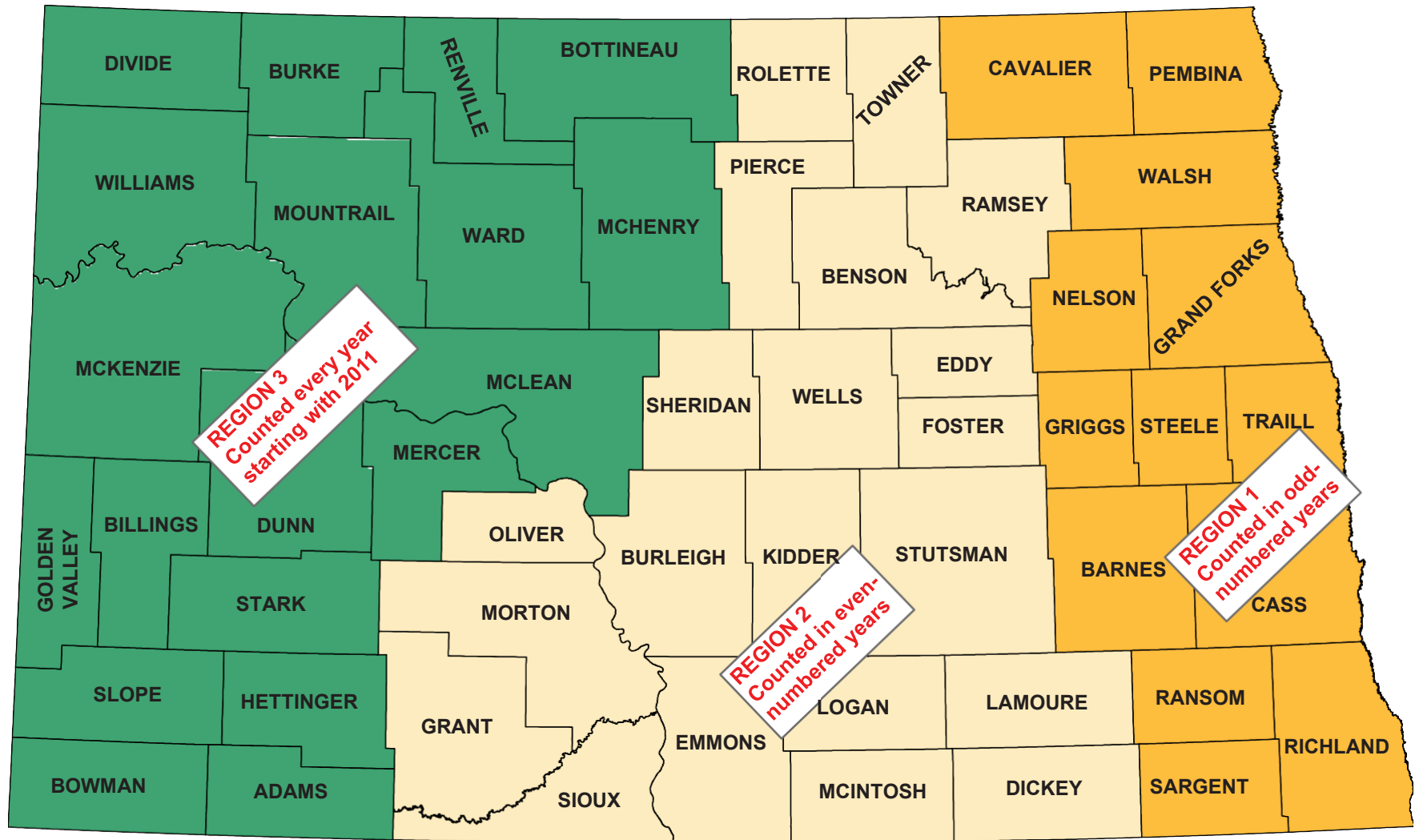
Region 3 and one other region per year were counted from 2012 to 2016.
One region is counted per year starting in 2017. Region 3 is no longer counted every year.



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



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



Planning & Asset Management Division
Traffic Data Section
City Traffic Counts

CITY	YEAR COUNTED	YEAR TO COUNT
Fargo	2018	2021
West Fargo	2018	2021
Wahpeton	2018	2021
Valley City	2018	2021
Grand Forks	2018	2021
Minot	2020	2023
Dickinson	2020	2023
Williston	2020	2023
Bismarck	2019	2022
Mandan	2019	2022
Devils Lake	2019	2022
Jamestown	2019	2022

**NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
ATR LOCATIONS**

STATION	NAME	HIGHWAY	REF POINT	OFF SET	TYPE	LOCATION
URBAN INTERSTATE 94						
7	WEST FARGO	94	347.000	0.5200	Weight	I-94 WEST OF 45 STREET
217	FARGO (U)	94	352.000	0.3327	Class	RED RIVER BRIDGE
283	BISMARCK (U)	94	158.000	0.8538	Class	0.4 MILES WEST OF US 83 INT.
RURAL INTERSTATE 94						
1	BELFIELD	94	34.000	0.7000	Weight	I-94 EB ONLY - 7 MILES WEST OF BELFIELD
14	APPLE CREEK EAST	94	165.000	0.0000	Weight	3.5 MILES EAST OF BISMARCK
15	APPLE CREEK WEST	94	169.000	0.8000	Weight	8.3 MILES EAST OF BISMARCK
207	MEDINA	94	231.000	0.2923	Class	0.9 MILES EAST OF MEDINA
223	NEW SALEM	94	126.000	0.8803	Class	0.8 MILES WEST OF ND 31 INT.
245	TOWER CITY	94	312.000	0.5100	Class	2.3 MILES WEST OF BUFFALO INT.
279	PAINTED CANYON	94	34.000	0.6637	Class	7.8 MILES WEST OF US 85 INT.
URBAN INTERSTATE 29						
235	FARGO (U)	29	66.255	0.5725	Class	NORTH OF 12TH AVE.
RURAL INTERSTATE 29						
4	WAHPETON	29	10.000	0.1000	Weight	HWY 29 - SOUTH OF THE MOORETON SCALE
6	JOLIETTE	29	207.000	0.8700	Weight	I-29 NORTH OF JOLIETTE STATIC SCALE
211	BUXTON	29	112.000	0.8614	Class	4.0 MILES NORTH OF MAYVILLE INT.
243	BOWESMONT	29	196.014	0.5726	Class	0.5 MILES NORTH OF BOWESMONT
265	MOORETON	29	25.000	0.0149	Class	2.5 MILES NORTH OF ND 13
285	DAVENPORT	29	55.000	0.4798	Class	1.3 MILES NORTH OF DAVENPORT INT
RURAL PRINCIPAL ARTERIAL						
2	BOWMAN	85	12.000	0.2000	Weight	HWY 85 - 4 MILES SOUTH OF BOWMAN
3	ELLENDALE	281	1.000	0.9000	Weight	HWY 281 - 2 MILES SOUTH OF ELLENDALE
5	WILLISTON	2	13.000	0.4400	Weight	HWY 2 - WEST OF WILLISTON STATIC SCALE
8	PORTAL	52	3.000	0.3700	Weight	HWY 52 EB LANE ONLY - SOUTH OF PORTAL
9	WASHBURN	83	120.000	0.6600	Weight	US 83 NB/SB 6 MILES SOUTH OF WASHBURN
10	DEVILS LAKE	2	263.000	0.5000	Weight	HWY 2 EB ONLY - WEST OF DEVILS LAKE
11	WATFORD CITY	85	137.000	0.2800	Weight	HWY 85 NB/SB - SOUTH OF WATFORD CITY
12	BUCHANAN	52	248.000	0.6100	Weight	HWY 52 EB/WB LANES - NORTH OF BUCHANAN
13	LANGDON	5	288.000	0.9950	Weight	10 MILES EAST OF LANGDON
16	PANGER	85	176.000	0.7100	Weight	HWY 85
201	RAY	2	51.000	0.2986	Class	2.1 MILES WEST OF RAY
203	MAX	83	168.000	0.9400	Class	3.3 MILES SOUTH OF ND 53
205	GWINNER	13	337.000	0.2241	Class	2.1 MILES WEST OF ND 32
215	JAMESTOWN	52	259.000	0.5408	Class	2.5 MILES NORTH OF JAMESTOWN
219	MANDAN	6	55.000	0.8718	Class	11.0 MILES SOUTH OF MANDAN
221	FAIRFIELD	85	80.000	0.8850	Class	5.1 MILES NORTH OF I-94
229	COOPERSTOWN	200	345.000	0.2602	Class	4.0 MILES EAST OF COOPERSTOWN
233	FOXHOLM	52	78.000	0.2600	Class	1.5 MILES SOUTHEAST OF FOXHOLM
237	NEKOMA	1	205.000	0.2195	Class	8.5 MILES SOUTH LANGDON
239	NEW TOWN	23	42.000	0.8986	Class	4.7 MILES EAST OF ND 22
241	BOTTINEAU	5	173.000	0.9523	Class	0.2 MILES WEST OF ND 14
251	HAGUE	83	1.000	0.1144	Class	1.1 MILES NORTH OF SOUTH DAKOTA LINE
253	RUGBY	2	207.000	0.3265	Class	3.5 MILES WEST OF ND 3
255	CROSBY	5	28.000	0.7521	Class	6.0 MILES WEST OF CROSBY
257	WILLISTON	2	2.000	0.3979	Class	2.4 MILES EAST OF MONTANA LINE
261	CARRINGTON	281	117.000	0.9013	Class	5.5 MILES NORTH OF JUNCTION WITH HWY 200
271	GOLDEN VALLEY	200	131.000	0.0000	Class	0.7 MILES EAST OF GOLDEN VALLEY
273	NEW LEIPZIG	21	67.000	0.5500	Class	2.1 MILES WEST OF ND 49
281	SAWYER	52	102.000	0.7136	Class	WEST OF SAWYER
297	WILLISTON_NW	85	193.000	0.7000	Class	NW WILLISTON TRUCK RELIEVER ROUTE
299	KILLDEER200W	200	88.000	0.5200	Class	6.7 MILES WEST OF JCT. ND 22 AND ND 200
303	MICHIGAN	2	296.000	0.6500	Class	4.0 MILES EAST OF ND 1

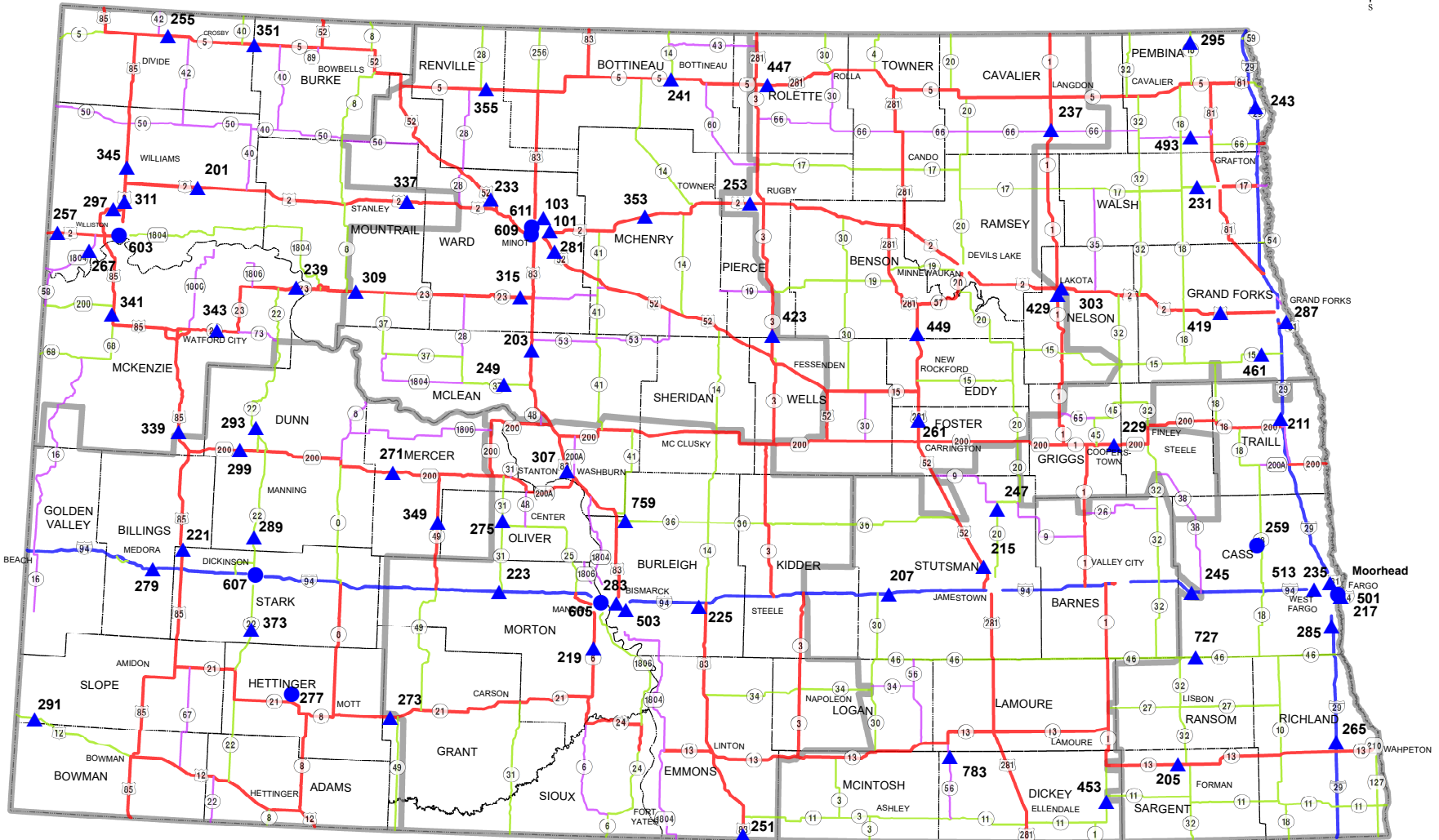
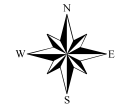
**NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
ATR LOCATIONS**

STATION	NAME	HIGHWAY	REF POINT	OFF SET	TYPE	LOCATION
RURAL PRINCIPAL ARTERIAL						
307	WASHBURN	83	130.000	0.7300	Class	NORTH OF WASHBURN
309	NEWTOWN_EAST	23	58.000	0.7000	Class	8.4 MILES EAST OF NEW TOWN
311	WILLISTON_2N	2	27.000	0.6300	Class	5.2 MILES NORTH OF WILLISTON
315	RYDER_E23__	23	102.000	0.2000	Class	3.3 MILES WEST OF THE JUNCTION WITH US 83
337	BLAISDELL_E2	2	107.000	0.1000	Class	1.0 MILES EAST OF BLAISDELL
339	GRASSY_BUTTE	85	113.000	0.8500	Class	1.3 MILES NORTH OF GRASSY BUTTE
341	ALEXANDER85W	85	162.000	0.2080	Class	1/2 MILE W OF ALEXANDER
343	WATFORD_E23_	23	10.000	0.7000	Class	9.1 MILES EAST OF WATFORD CITY
345	WILLIAMS_N85	85	205.000	0.4800	Class	15.4 MILES NORTH OF WILLISTON
349	BEULAH_S49__	49	91.000	0.7700	Class	10.5 MILES SOUTH OF BEULAH
351	COLUMBUS_W5	5	52.000	0.2000	Class	3.2 MILES EAST OF NOONAN
353	GRANVILLE_E2	2	177.000	0.7600	Class	8.3 MILES EAST OF GRANVILLE
355	MOHALL_W5__	5	121.000	0.9700	Class	3.6 MILES WEST OF MOHALL
419	EMERADO_W2	2	340.000	0.5000	Class	2.5 MILES WEST OF EMERADO
423	HARVEY_N3__	3	165.000	0.5600	Class	5.6 MILES NORTH OF HARVEY
429	LAKOTA_S1__	1	160.000	0.3800	Class	1.6 MILES SOUTH OF LAKOTA
447	DUNSEITH_E__	281	250.000	0.2700	Class	2.95 MILES EAST OF DUNSEITH
449	SHEYENNE_N__	281	141.000	0.4800	Class	2.5 MILES NORTH OF SHEYENNE
RURAL MINOR ARTERIAL						
231	GRAFTON	17	122.000	0.1293	Class	5.5 MILES WEST OF GRAFTON
247	COURTENAY	20	20.000	0.4196	Class	1.8 MILES SOUTH OF ND 9
249	GARRISON	37	54.000	0.9548	Class	1.0 MILES WEST OF GARRISON
275	HANNOVER	31	97.000	0.0758	Class	1.2 MILES NORTH OF HANNOVER
289	MANNING	22	81.000	0.5055	Class	SOUTH OF MANNING
291	MARMARTH	12	4.000	0.8670	Class	1.0 MILE WEST OF MARMARTH
293	KILLDEER	22	112.000	0.1350	Class	5.9 MILES NORTH OF KILLDEER
295	NECHE	18	239.000	0.3300	Class	1.2 MILES SOUTH OF NECHE
373	DICKINSON22S	22	57.000	0.2400	Class	11.4 MILES SOUTH OF DICKINSON
453	OAKES_S1____	1	13.000	0.3500	Class	3.0 MILES SOUTH OF OAKES
461	THOMPSON_W15	15	129.000	0.0000	Class	3.4 MILES WEST OF THOMPSON
727	ENDERLIN_E46	46	84.000	0.2000	Class	EAST EDGE OF ENDERLIN
759	WILTON_E36__	36	2.000	0.2600	Class	2.3 MILES SE OF WILTON
RURAL MAJOR COLLECTOR-STATE						
267	TRENTON	1804	329.000	0.8846	Class	1.5 MILES NORTHEAST OF TRENTON
493	ST_THOMAS_W_	66	117.000	0.4000	Class	5.7 MILES WEST OF ST. THOMAS
783	KULM_S56____	56	14.000	0.5800	Class	4.7 MILES SOUTH OF KULM
RURAL MAJOR COLLECTOR-COUNTY						
101	MINOT55ST_NE	5145 C	0.000	0.3000	Class	CMC 5145 - 0.3 MILES NORTH OF US2
103	MINOT46AV_NE	5138 C	8.000	0.2000	Class	CMC 5138 - 2.1 MILES EAST OF US 83
225	STERLING	836 C	14.000	0.2100	Class	CMC 0836 - 1.9 MILES WEST OF US 83
259	AYR				Volume	CMC 0918 - 12.0 MILES EAST OF AYR
277	REGENT				Volume	CMC 2117 - 2.0 MILES NORTH OF ND 21
URBAN PRINCIPAL ARTERIAL						
287	GRAND FORKS	81 B	942.000	0.4092	Class	S. WASHINGTON BETWEEN 24 AND 28 AVE. S.
501	FARGO (U)	81 B	925.000	0.3888	Volume	UNIVERSITY AVE. BET 15 AND 15 1/2 AVE.
503	BISMARCK (U)	810	5.000	0.5750	Class	BIS. EXPWY. SOUTH OF E. MAIN STREET
513	WFARGO_MAIN_(U)	10 B	933.000	0.4400	Class	MAIN ST. WEST OF 15TH ST NW
603	WILLISTON (U)	2 B	900.000	0.6627	Volume	2ND ST. WEST OF 14TH AVE. WEST
605	MANDAN (U)	94 B	917.043	0.0939	Volume	EAST MAIN ST. WEST OF TWIN CITY DRIVE
URBAN MINOR ARTERIAL						
607	DICKINSON (U)				Volume	9TH ST. EAST BET. 2ND AVE. & 3RD AVE. EAST
611	MINOT (U)				Volume	UNIVERSITY AVE. BET 12TH ST. & 13TH ST. NW.

**NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
ATR LOCATIONS**

STATION	NAME	HIGHWAY	REF POINT	OFF SET	TYPE	LOCATION
URBAN COLLECTOR AND LOCAL URBAN						
609	MINOT (U)				Volume	16TH AVE BET. 12TH ST SW. & 17TH AVE. SW.

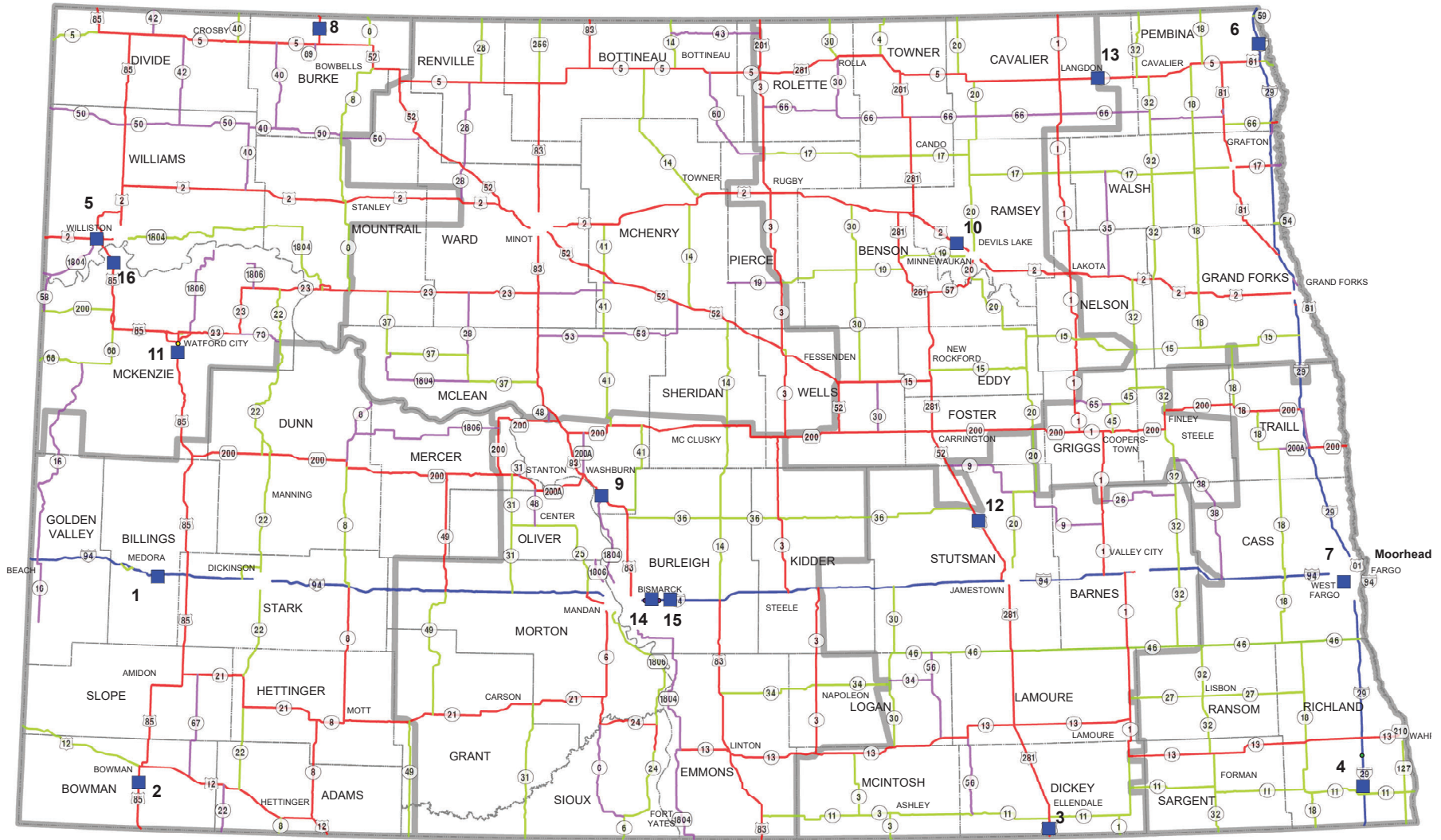
Automatic Traffic Recorder (ATR) Locations



Station Type	Functional Class	Number of ATR Stations
▲ Class	— Interstate Rural	8 Rural Interstate
● Volume	— Principal Arterial Rural	40 Rural Principal Arterial
	— Minor Arterial Rural	13 Rural Minor Arterial
	— Major Collector	8 Rural Major Collector
		3 Urban Interstate
		6 Urban Principal Arterial
		2 Urban Minor Arterial
		1 Urban Collector

Planning & Asset Management Division
Traffic Data Section
2020

Weigh - In - Motion Locations

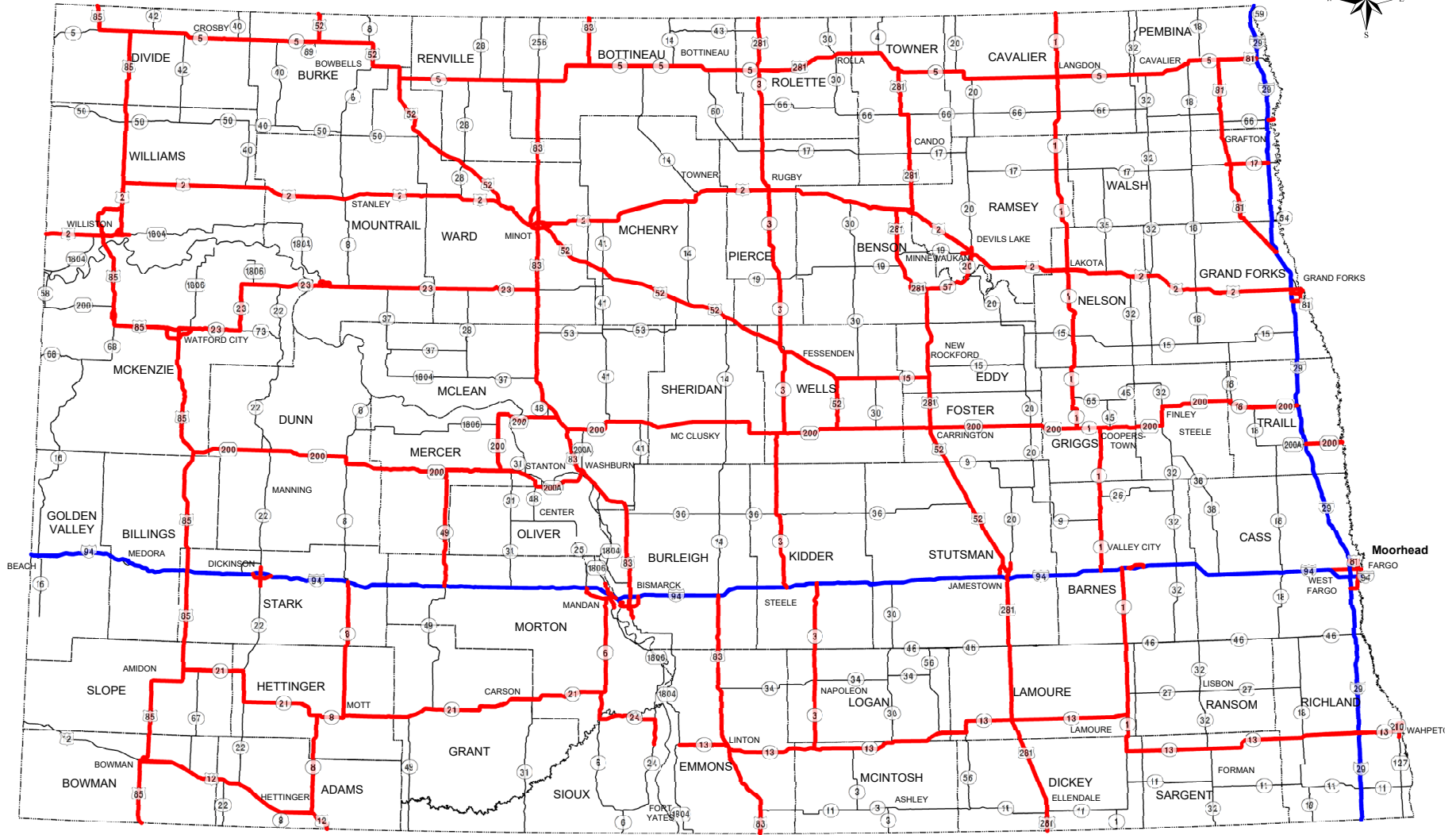


■ WIM Sites

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

Planning & Asset Management Division
Traffic Data Section
2020

National Highway System Mileage

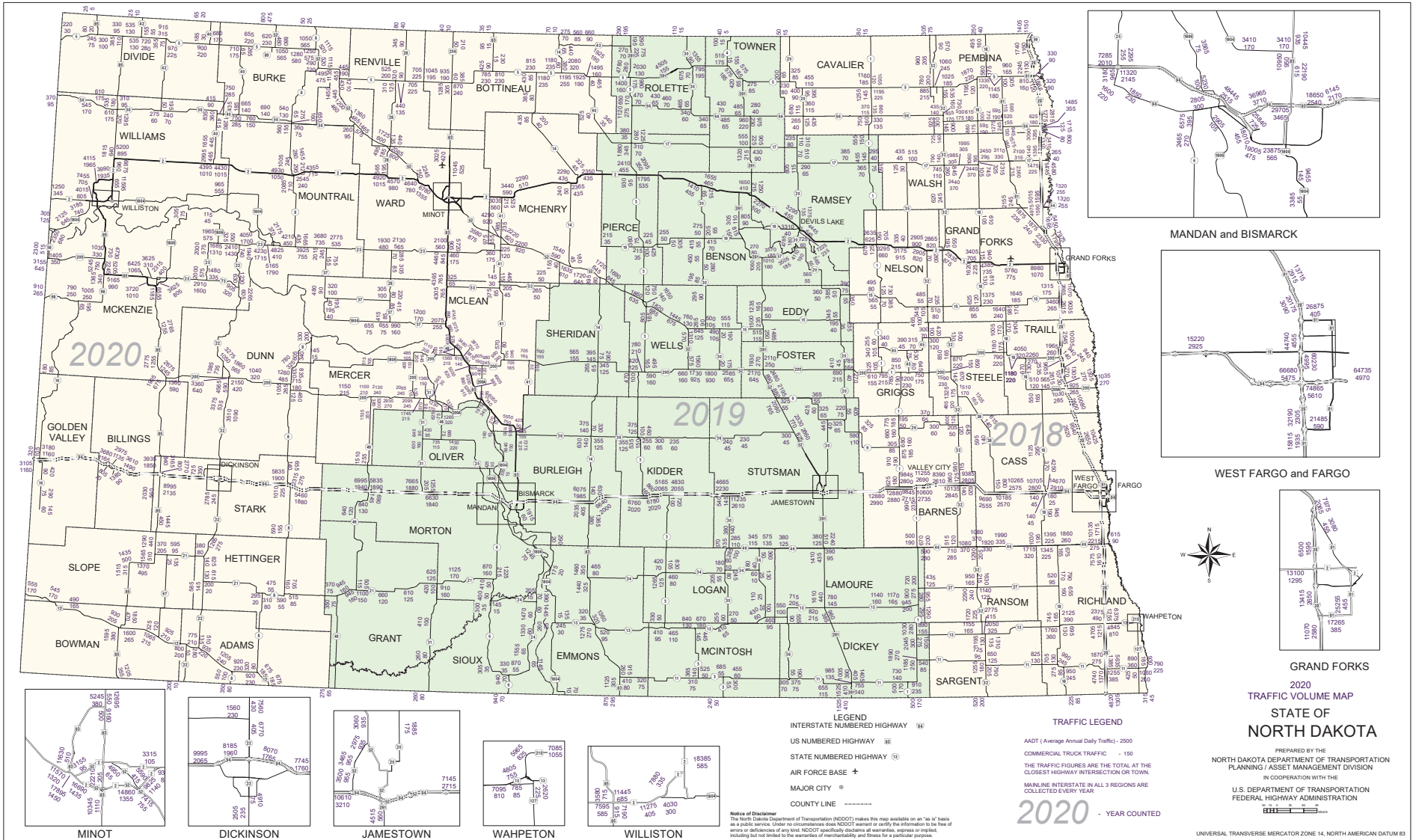


NHS Mileage

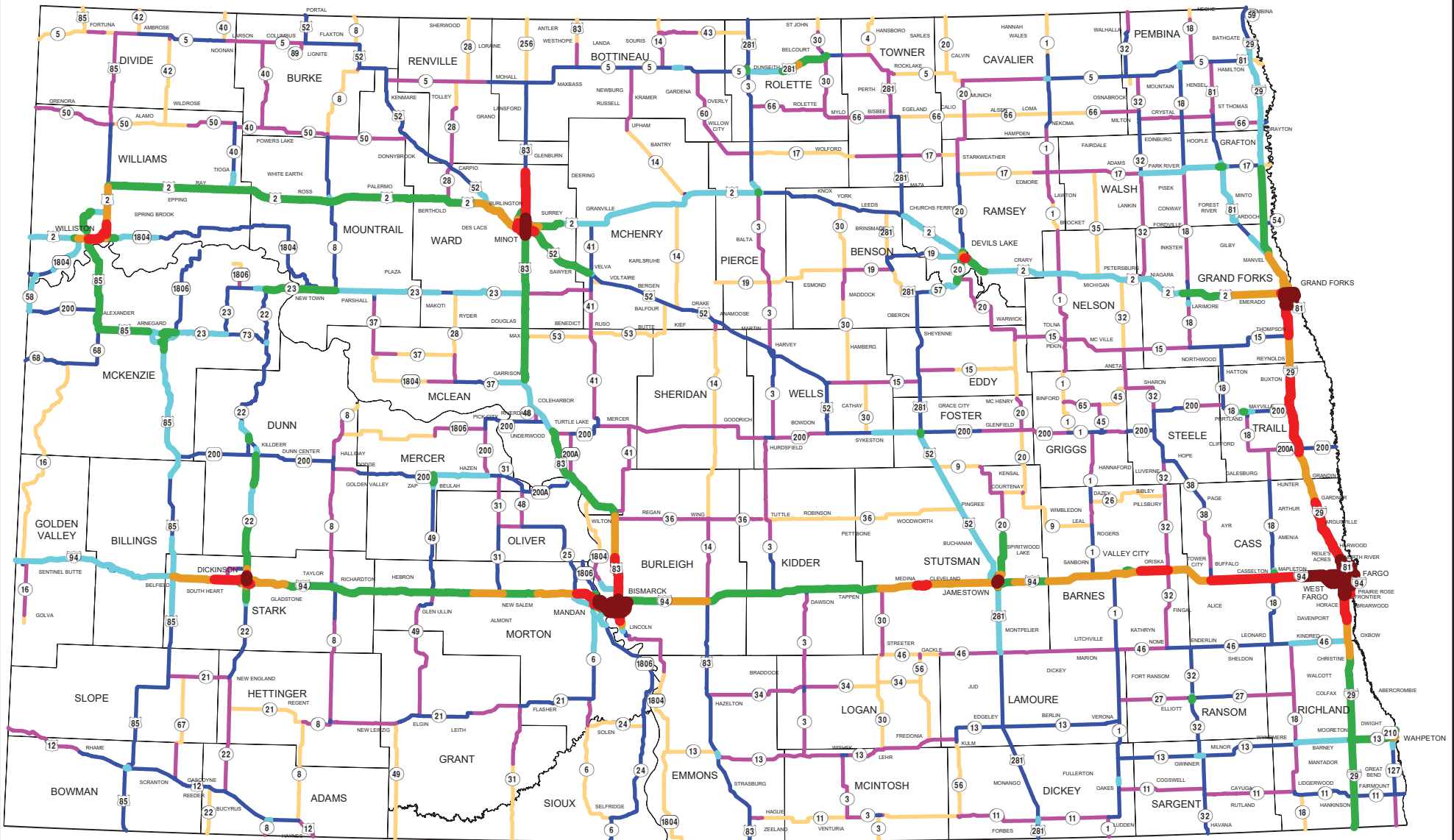
— Interstate Rural	509.7
— Interstate Urban	61.2
Total	570.9
— Principal Arterial Rural	2942.4
— Principal Arterial Urban	160.6
Total	3103.0
Total NHS	3721.5

Planning & Asset Management Division
Traffic Data Section

2020



Annual Average Daily Traffic (2020)



Notes: - Data from 2020 highway components segments.
 - The AADT for longer sections are an average of the traffic segments.
 - Data for the four lane roadways is combined for both directions (either north and south or east and west).

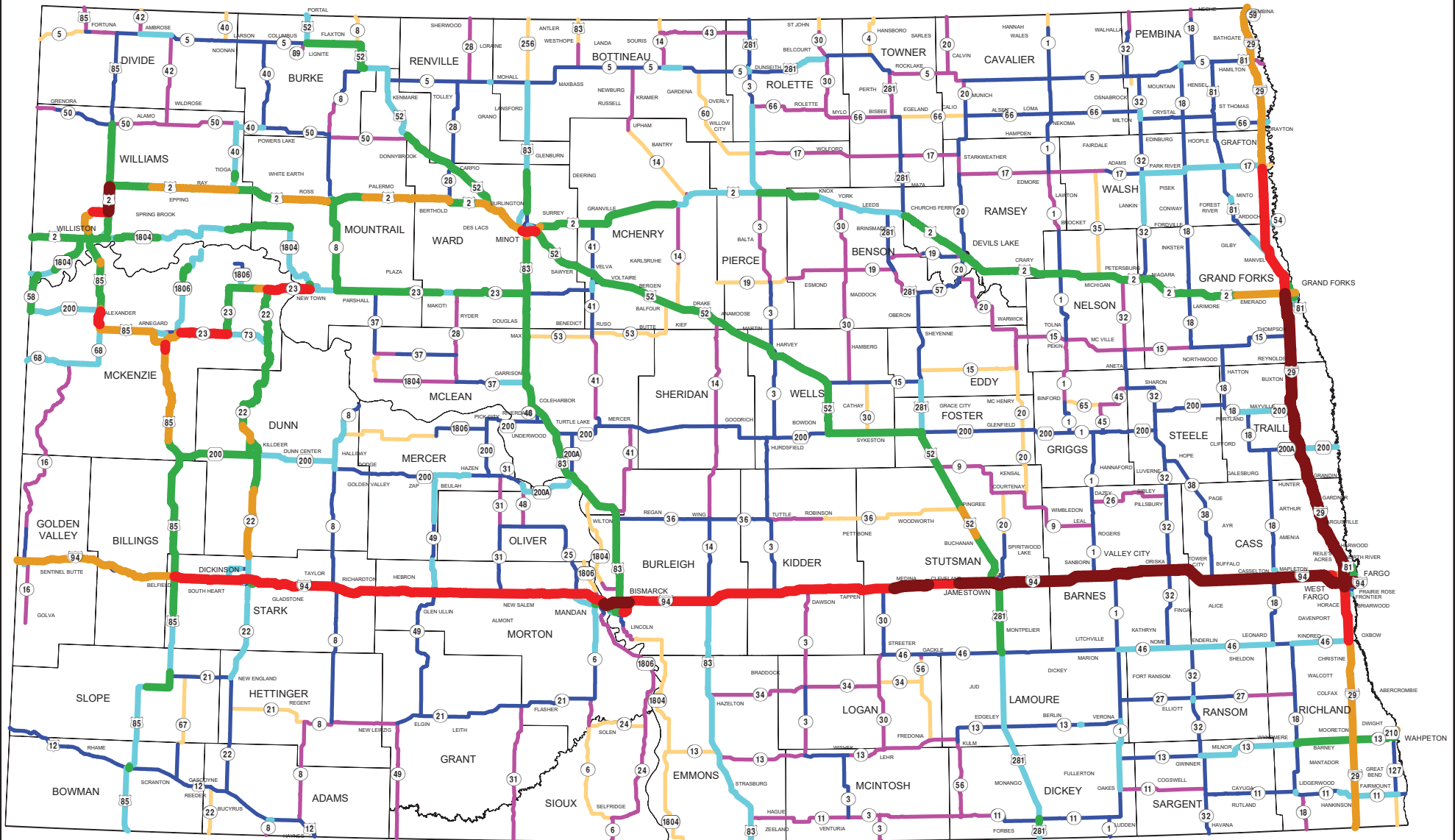
Annual Average Daily Traffic



Planning & Asset Management Division
 Traffic Data Section



Truck Annual Average Daily Traffic (2020)



Notes: - Data from 2020 highway components segments.
 - The TAADT for longer sections are an average of the traffic segments.
 - Data for the four lane roadways is combined for both directions (either north and south or east and west).

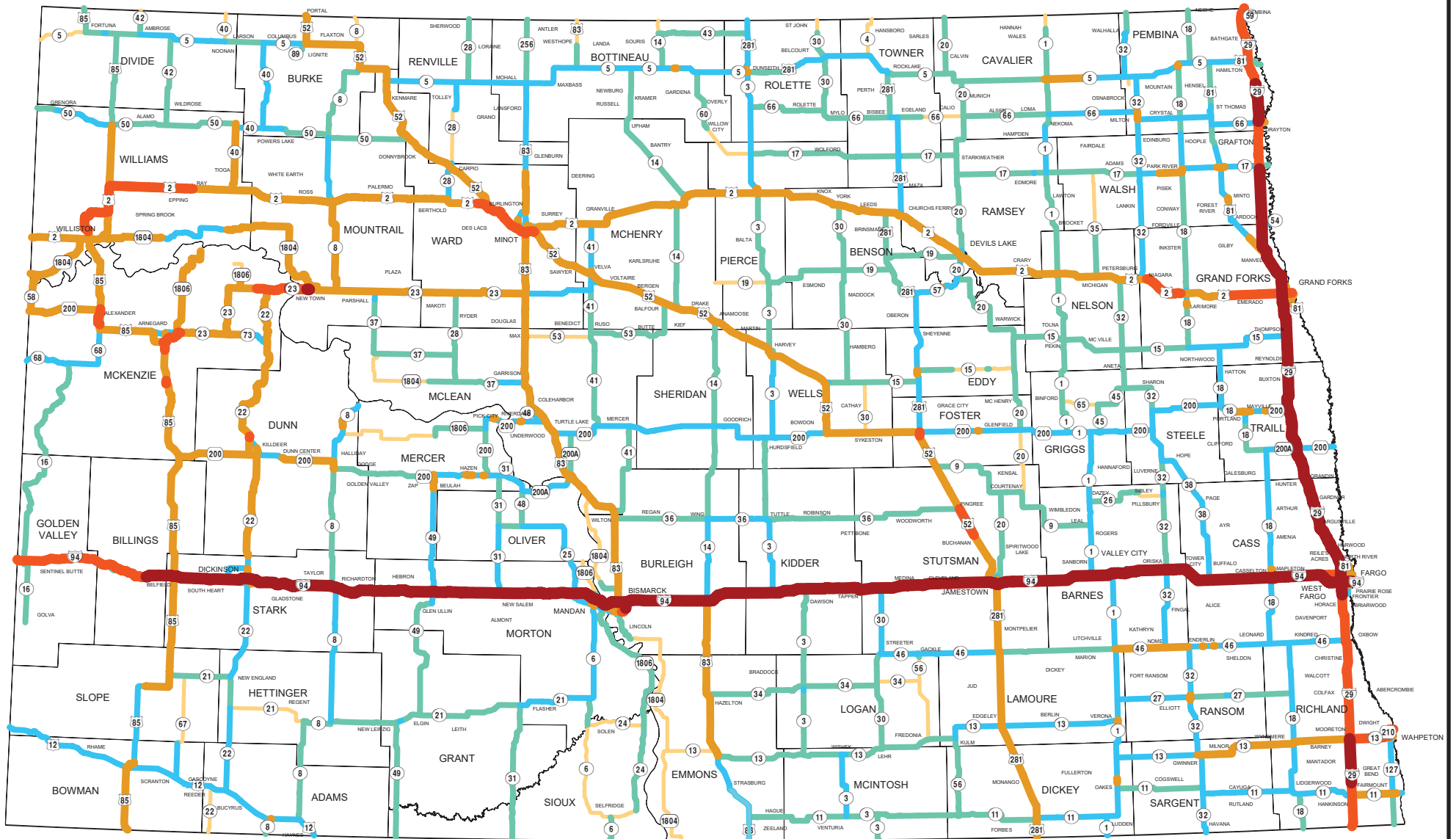
Truck Annual Average Daily Traffic



Planning & Asset Management Division
 Traffic Data Section



Equivalent Single Axle Loads (ESALs) 2020



Notes: - Data from 2020 highway components segments.
 - The ESALs for longer sections are an average of the traffic segments.
 - Data for the four lane roadways is combined for both directions (either north and south or east and west).

ESALS



Planning & Asset Management Division
 Traffic Data Section



PERMANENT STATION COMPARISON OF AADT BY YEAR

STATION NUMBER	LOCATION	2000	2002	2004	2006	2008	2010	2012	2014	2016	2017	2018	2019	2020	% CHANGE 2020/2019	% CHANGE 2020/2010	% CHANGE 2020/2000
URBAN INTERSTATE 94																	
217	FARGO (U)	49794	54812	61932	61479	63417	64983	67708	70183	72116	73505	73886	75438	64735	-14.2%	-0.4%	30.0%
283	BISMARCK (U)	17656	17396	18782	21507	22085	23727	25722	27738	29629	25986	30006	26186	25105	-4.1%	5.8%	42.2%
	MEAN	33725	36104	40357	41493	42751	44355	46715	48961	50873	49746	51946	50812	44920	-9.2%	2.7%	36.1%
RURAL INTERSTATE 94																	
207	MEDINA	6528	6900	6810	6706	6595	7478	8652	8598	8732	8551	8340	8176	7186	-12.1%	-3.9%	10.1%
223	NEW SALEM		5968	6088	6116	6195	7000	8638	9320	8726	8456	8384	8373	7664	-8.5%	9.5%	--
245	TOWER CITY	8370	8292	9266	9173	9340	10464	11453	12178	11985	11829	11659	11306	9692	-14.3%	-7.4%	15.8%
279	PAINTED CANYON	3528	3726	3596	3668	3554	3893	4815	5067	3865	4487	4414	4378	4119	-5.9%	5.8%	16.8%
	MEAN	6142	6222	6440	6416	6421	7209	8390	8791	8327	8331	8199	8058	7165	-10.2%	1.0%	14.2%
URBAN INTERSTATE 29																	
235	FARGO (U)		22070	24808	25790	27503	35153	30814	31177	33593	34215	36930	35909	29242	-18.6%	-16.8%	--
	MEAN		22070	24808	25790	27503	35153	30814	31177	33593	34215	36930	35909	29242	-18.6%	-16.8%	--
RURAL INTERSTATE 29																	
211	BUXTON	9144	9862	10526	10532	10630	11278	11752	12062	12405	12500	12469	12258	10032	-18.2%	-11.0%	9.7%
243	BOWESMONT	2860	2806	2980	3146	3559	3626	3775	3776	3248	3338	3293	3162	2229	-29.5%	-38.5%	-22.1%
265	MOORETON	5130	5294	5914	5940	5823	6385	6422	6807	7092	7181	6997	6838	6024	-11.9%	-5.7%	17.4%
285	DAVENPORT		8920	10098	10151	9777	10901	11056	11276	11888	12377	12389	12341	10891	-11.7%	-0.1%	--
	MEAN	5711	6721	7380	7442	7447	8048	8251	8480	8658	8849	8787	8650	7294	-17.8%	-13.8%	1.7%
RURAL PRINCIPAL ARTERIAL																	
201	RAY	1618	1678	1660	1873	2678	4367	9307	8665	5103	5205	5327	5917	4791	-19.0%	9.7%	196.1%
203	MAX	3366	3532	3600	3612	3702	5003	5516	5529	5026	5035	4876	4693	4305	-8.3%	-14.0%	27.9%
205	GWINNER	1146	1118	1266	1255	1109	1216	1189	1203	1176	1178	1212	1155	1082	-6.3%	-11.0%	-5.6%
215	JAMESTOWN	2740	2738	2660	2716	2845	3170	3482	3695	3518	3512	3439	3339	3060	-8.4%	-3.5%	11.7%
219	MANDAN	1494	1536	1538	1518	1471	1615	1621	1668	2332	2142	1753	1751	1725	-1.5%	6.8%	15.5%
221	FAIRFIELD	1370	1408	1436	1649	1808	2120	4595	4672	3235	3262	3504	3448	2768	-19.7%	30.6%	102.0%
229	COOPERSTOWN		894	896	827	845	927	921	880	855	829	813	748	766	2.4%	-17.4%	--
233	FOXHOLM	1832	1894	1870	1899	2177	2491	3075	2930	2376	2390	2296	2253	1943	-13.8%	-22.0%	6.1%
237	NEKOMA		760	754	686	785	814	782	868	869	878	922	859	797	-7.2%	-2.1%	--
239	NEW TOWN	1520	1606	1682	1599	2357	3703	6474	7765	5123	5836	6362	6820	4982	-27.0%	34.5%	227.8%
241	BOTTINEAU	996	950	1018	946	1050	1239	1364	1382	1313	1302	1230	1226	1179	-3.8%	-4.8%	18.4%
251	HAGUE	710	770	740	589	746	867	885	909	1000	865	832	868	789	-9.1%	-9.0%	11.1%
253	RUGBY		2748	2642	2475	2730	2775	3162	3192	3026	2961	2877	2854	2412	-15.5%	-13.1%	--
255	CROSBY	492	532	554	574	598	842	1502	1638	994	872	837	861	710	-17.5%	-15.7%	44.3%
257	WILLISTON		1208	1186	1229	1251	1620	3235	2958	1875	2140	2435	2338	1757	-24.9%	8.5%	--
261	CARRINGTON					1736	1768	1788	1946	1846	1774	1676	1521		-9.2%	-12.4%	--
271	GOLDEN VALLEY		666	676	702	698	840	1355	1414	1243	1173	1185	1150	1116	-3.0%	32.9%	--
273	NEW LEIPZIG	390	386	368	339	314	364	377	372	381	365	359	367	354	-3.5%	-2.7%	-9.2%
281	SAWYER	3646	3724	3878	3902	3883	4563	5340	5347	4839	4738	4729	4651	4391	-5.6%	-3.8%	20.4%
297	WILLISTON_NW							2257	2924	3907	4553	5501	3990		-27.5%	--	--
299	KILLDEER200W											1873	1989	1394	-29.9%	--	--
303	MICHIGAN	3616	3512	3508	3361	3303	3803	4383	4366	4127	4053	3919	3794	3292	-13.2%	-13.4%	-9.0%
307	WASHBURN	3580	3880	3984	4233	4437	5189	6030	6303	5806	5708	5519	5569	4905	-11.9%	-5.5%	37.0%
309	NEWTOWN_EAST							6193	3991	4398	4414	4638	3925		-15.4%	--	--
311	WILLISTON_2N							13560	7868	8550	9132	10004	7857		-21.5%	--	--
315	RYDER_E23__										2030	2172	2382	2097	-12.0%	--	--
337	BLAISDELL_E2								5007	4589	4619	4837	3974		-17.8%	--	--
339	GRASSY_BUTTE							4880	3217	3350	3727	3818	2775		-27.3%	--	--
341	ALEXANDER85W								6467	6172	6579	7202	5147		-28.5%	--	--
343	WATFORD_E23_								5031	5518	6016	5976	3870		-35.2%	--	--
345	WILLIAMS_N85									2038	2240	2199	1815		-17.5%	--	--
349	BEULAH_S49__										1420	1444	1459	1385	-5.1%	--	--
351	COLUMBUS_W5								643	592	545	550	513		-6.7%	--	--
353	GRANVILLE_E2											2783	2795	2387	-14.6%	--	--
355	MOHALL_W5___											761	754	705	-6.5%	--	--
419	EMERADO_W2								6721	6792	6516	6187	5382		-13.0%	--	--

PERMANENT STATION COMPARISON OF AADT BY YEAR

STATION NUMBER	LOCATION	2000	2002	2004	2006	2008	2010	2012	2014	2016	2017	2018	2019	2020	% CHANGE 2020/2019	% CHANGE 2020/2010	% CHANGE 2020/2000	
RURAL PRINCIPAL ARTERIAL																		
423	HARVEY_N3__									654	621	617	602	584	-3.0%	--	--	
429	LAKOTA_S1__									602	598	594	582	559	-4.0%	--	--	
447	DUNSEITH_E__								2499	2604	2602	2575	2715	2605	-4.1%	--	--	
449	SHEYENNE_N__									1218	1145	1131	1016	798	-21.5%	--	--	
	MEAN	1901	1777	1796	1799	1939	2346	3160	3728	3033	2990	2962	3039	2510	-13.4%	-1.3%	46.3%	
RURAL MINOR ARTERIAL																		
231	GRAFTON	2628	2678	2818	2521	2623	2594	2525	2429	2538	2461	2452	2447	2319	-5.2%	-10.6%	-11.8%	
247	COURTENAY	486	518	490	460	442	464	471	451	490	446	476	444	426	-4.1%	-8.2%	-12.3%	
249	GARRISON	1166	1208	1178	1164	1184	1359	1634	1892	1815	1670	1636	1600	1626	1.6%	19.6%	39.5%	
275	HANNOVER	560	542	500	479	500	602	630	687	1091	916	692	643	632	-1.7%	5.0%	12.9%	
289	MANNING		1592	1610	1718	2341	3675	5706	6696	4417	4588	5093	5170	4046	-21.7%	10.1%	--	
291	MARMARTH							785	868	698	633	650	657	569	-13.4%	--	--	
293	KILLDEER							3313	4615	2989	3612	4283	4326	3273	-24.3%	--	--	
295	NECHE							429	465	404	402	394	316	300	-5.1%	--	--	
373	DICKINSON22S									2046	1669	1654	1821	1538	-15.5%	--	--	
453	OAKES_S1____										1211	1253	1183	1136	-4.0%	--	--	
461	THOMPSON_W15									1597	1600	1555	1559	1477	-5.3%	--	--	
727	ENDERLIN_E46									1826	1875	1984	1944	1777	-8.6%	--	--	
759	WILTON_E36__									585	578	565	554	579	4.5%	--	--	
	MEAN	1210	1308	1319	1268	1418	1739	1937	2263	1708	1666	1745	1743	1515	-7.9%	3.2%	7.1%	
RURAL MAJOR COLLECTOR - STATE																		
267	TRENTON						3231	6008	5541	4059	3620	4278	4697	3615	-23.0%	11.9%	--	
493	ST_THOMAS_W_									601	604	612	592	574	-3.0%	--	--	
783	KULM_S56____									196	169	190	280	289	3.2%	--	--	
	MEAN						3231	6008	5541	1619	1464	1693	1856	1493	-7.6%	11.9%	--	
RURAL MAJOR COLLECTOR - COUNTY																		
101	MINOT55ST_NE									2525	2557	2634	2732	2602	2406	-7.5%	--	--
103	MINOT46AV_NE									1074	1104	1084	1207	1247	1161	-6.9%	--	--
225	STERLING		558	492	525	560	645	639	946	865	867	814	869	843	-3.0%	30.7%	--	
259	AYR	348	456	384	340	360	372	317	327	351	352	359	353	342	-3.1%	-8.1%	-1.7%	
277	REGENT	298	314	296	287	320	358	369	356	339	310	297	310	337	8.7%	-5.9%	13.1%	
	MEAN	323	443	391	384	413	458	442	1046	1043	1049	1082	1076	1018	-2.4%	5.6%	5.7%	
URBAN PRINCIPAL ARTERIAL																		
287	GRAND FORKS		18520	19656	19107	18974	20520	21291	21318	23090	22837	22174	22186	19770	-10.9%	-3.7%	--	
501	FARGO (U)	24150	26592	26852	24248	24606	24868	24332	26023	25990	26353	22640	23971	21889	-8.7%	-12.0%	-9.4%	
503	BISMARCK (U)							12176	13418	14061	13876	13374	13505	12746	-5.6%	--	--	
513	WFARGO_MAIN_ (U)									6159	6874	6764	6633	5782	-12.8%	--	--	
601	BISMARCK (U)	12408	11747	11961	11465	11991									--	--	--	
603	WILLISTON (U)	4174	4118	4228	4528	4801	6510	10278	10834	7351	6662	7193	7580	6059	-20.1%	-6.9%	45.2%	
605	MANDAN (U)		20200	20158	20213	19582	20270	20439	20356	21326	19203	18934	18164	17755	-2.3%	-12.4%	--	
	MEAN	13577	16235	16571	15912	15991	18042	17703	18390	16330	15968	15180	15340	14000	-10.1%	-8.7%	17.9%	
URBAN MINOR ARTERIAL																		
607	DICKINSON (U)	3072	2980	3104	3053	2855	3033	3269	3198	3473	3234	2907	2804	2709	-3.4%	-10.7%	-11.8%	
611	MINOT (U)	3240	2624	2690	2541	2618	2894	3155	2914	2838	2559	2571	2515	2047	-18.6%	-29.3%	-36.8%	
	MEAN	3156	2802	2897	2797	2737	2964	3212	3056	3156	2897	2739	2660	2378	-11.0%	-20.0%	-24.3%	
URBAN COLLECTOR & LOCAL URBAN																		
609	MINOT (U)	1896	2076	2346	2222	2255	2374	3001	2991	2837	2643	2545	2573	2349	-8.7%	-1.1%	23.9%	
	MEAN	1896	2076	2346	2222	2255	2374	3001	2991	2837	2643	2545	2573	2349	-8.7%	-1.1%	23.9%	

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	2000	2002	2004	2006	2008	2010	2012	2014	2016	2017	2018	2019	2020	% CHANGE 2020/2019	% CHANGE 2020/2010	% CHANGE 2020/2000
URBAN INTERSTATE																	
217	FARGO (U)	4742	4400	4888	4791	4930	4612	5108	5645	5079	5022	5040	5076	5052	-0.5%	9.5%	6.5%
235	FARGO (U)		2594	2684	2726	2980	3344	3216	3588	3685	3585	3775	3629	3640	0.3%	8.9%	--
283	BISMARCK (U)	1948	1862	1952	2264	2151	2039	2505	2687	2474	2445	2747	3111	3188	2.5%	56.4%	63.7%
	MEAN	3345	2952	3175	3260	3354	3332	3610	3973	3746	3684	3854	3939	3960	0.8%	24.9%	35.1%
RURAL INTERSTATE																	
207	MEDINA	1600	1566	1618	1699	1711	1809	2137	2246	2271	2355	2334	2295	2372	3.4%	31.1%	48.3%
211	BUXTON	2114	2196	2494	2554	2790	2561	2982	3156	2834	2591	2578	2606	2544	-2.4%	-0.7%	20.3%
223	NEW SALEM		1214	1244	1364	1467	1450	2002	2210	2203	2170	2156	2207	2170	-1.7%	49.7%	--
243	BOWESMONT	1110	1160	1164	1186	1358	1109	1223	1708	1272	1322	1306	1256	1262	0.5%	13.8%	13.7%
245	TOWER CITY			1922	2001	2203	2334	2674	2981	2856	2899	3049	2851	2814	-1.3%	20.6%	--
265	MOORETON	934	812	922	1006	1076	1072	1178	1403	1182	1227	1282	1211	1242	2.6%	15.9%	33.0%
279	PAINTED CANYON	460	1044	1018	1177	1166	1155	1449	1566	1391	1552	1552	1533	1517	-1.0%	31.3%	229.8%
285	DAVENPORT		1120	1184	1248	1293	1341	1454	1561	1661	1734	1792	1758	1759	0.1%	31.2%	--
	MEAN	1244	1302	1446	1529	1633	1604	1887	2104	1959	1981	2006	1965	1960	0.0%	24.1%	69.0%
RURAL PRINCIPAL ARTERIAL																	
201	RAY	290	260	260	378	669	1332	3536	3104	1398	1578	1729	1955	1418	-27.5%	6.5%	389.0%
203	MAX	584	538	536	541	568	771	1003	1028	695	716	1102	1060	899	-15.2%	16.6%	53.9%
205	GWINNER	106	168	154	145	117	114	129	164	168	177	183	176	164	-6.8%	43.9%	54.7%
215	JAMESTOWN	468	446	510	584	709	770	937	1103	765	982	974	926	937	1.2%	21.7%	100.2%
219	MANDAN	198	154	146	154	138	147	149	191	237	230	209	232	238	2.6%	61.9%	20.2%
221	FAIRFIELD	340	274	258	399	507	641	1362	1737	951	968	1086	1057	804	-23.9%	25.4%	136.5%
229	COOPERSTOWN										182	186	167	175	4.8%	--	--
233	FOXHOLM	432	406	418	454	548	644	835	770	526	608	628	658	592	-10.0%	-8.1%	37.0%
237	NEKOMA		108	122	115	118	122	133	162	145	155	144	149	133	-10.7%	9.0%	--
239	NEW TOWN	158	142		148	549	1217	2842	3204	1619	2058	2394	2710	1788	-34.0%	46.9%	1031.6%
241	BOTTINEAU	162	142	118	111	129	163	195	221	193	224	198	201	240	19.4%	47.2%	48.1%
251	HAGUE								351	345	296	285	305	288	-5.6%	--	--
253	RUGBY		422	424	406	508	431	541	533	486	480	431	470	453	-3.6%	5.1%	--
255	CROSBY	96	132	78	131	145	234	604	733	381	293	256	256	279	9.0%	19.2%	190.6%
257	WILLISTON		140	140	160	160	280	911	846	364	552	647	663	388	-41.5%	38.6%	--
261	CARRINGTON						268	264	289	314	272	259	253	248	-2.0%	-7.5%	--
271	GOLDEN VALLEY				67	66	111	378	349	241	212	226	218	212	-2.8%	91.0%	--
273	NEW LEIPZIG	84	66	60	44	43	62	55	64	71	68	74	79	76	-3.8%	22.6%	-9.5%
281	SAWYER	462	390	420	526	572	744	1022	1054	893	945	949	911	933	2.4%	25.4%	101.9%
297	WILLISTON_NW								1246	1632	2292	2649	3017	1964	-34.9%	--	--
299	KILLDEER200W											1037	1080	674	-37.6%	--	--
303	MICHIGAN	732	568	558	515	513	593	691	647	631	713	738	654	659	0.8%	11.1%	-10.0%
307	WASHBURN	616	566	552	607	609	740	949	1033	929	918	906	936	886	-5.3%	19.7%	43.8%
309	NEWTOWN_EAST								1845	712	895	834	903	760	-15.8%	--	--
311	WILLISTON_2N								5682	2815	2118	3340	3680	2579	-29.9%	--	--
315	RYDER_E23__										486	563	613	563	-8.2%	--	--
337	BLAISDELL_E2									1259	1211	1234	1324	1121	-15.3%	--	--
339	GRASSY_BUTTE								1993	1145	1204	1333	1385	964	-30.4%	--	--
341	ALEXANDER85W									3120	2981	3137	3306	2272	-31.3%	--	--
343	WATFORD_E23_									2363	2792	3142	3201	1878	-41.3%	--	--
345	WILLIAMS_N85										791	943	871	643	-26.2%	--	--
349	BEULAH_S49__										259	244	259	249	-3.9%	--	--
351	COLUMBUS_W5									221	192	167	168	154	-8.3%	--	--
353	GRANVILLE_E2											534	536	523	-2.4%	--	--
355	MOHALL_W5__											216	225	228	1.3%	--	--
419	EMERADO_W2									933	920	906	791	766	-3.2%	--	--
423	HARVEY_N3__									100	107	102	107	110	2.8%	--	--
429	LAKOTA_S1__									120	115	112	108	121	12.0%	--	--
447	DUNSEITH_E__								189	139	117	110	119	152	27.7%	--	--
449	SHEYENNE_N__									234	198	229	182	184	1.1%	--	--
	MEAN	338	290	297	305	370	494	870	1142	792	792	861	898	693	-9.9%	26.1%	156.3%

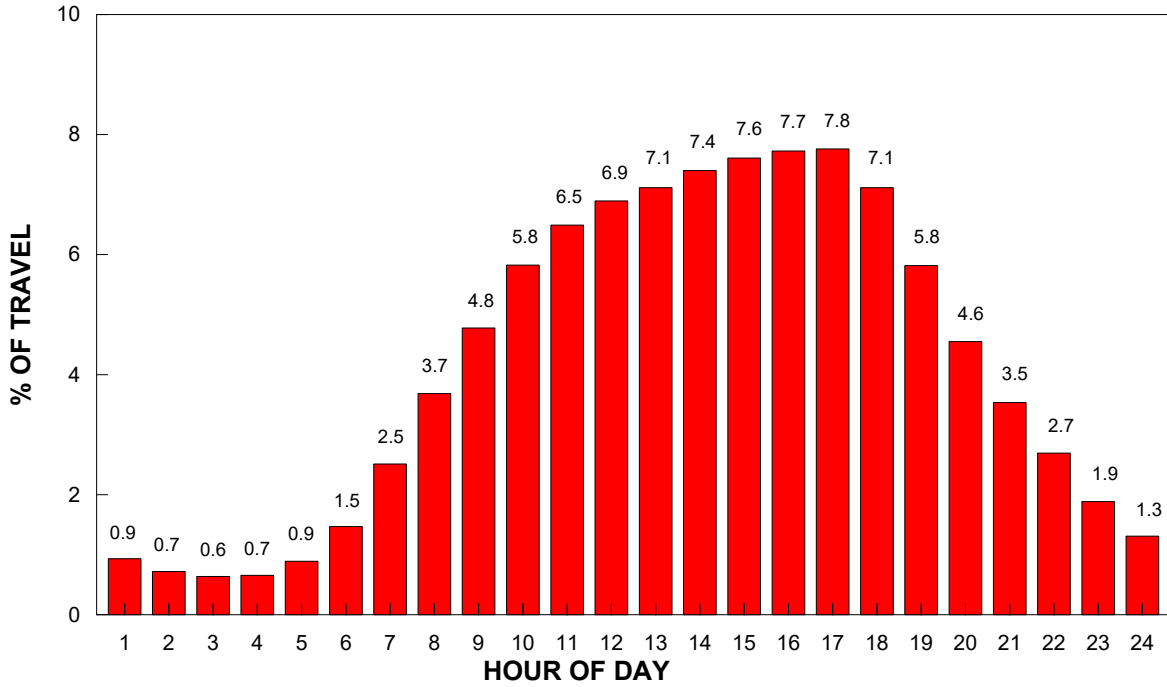
PERMANENT STATION COMPARISON OF TRUCK AADT BY YEAR

STATION NUMBER	LOCATION	2000	2002	2004	2006	2008	2010	2012	2014	2016	2017	2018	2019	2020	% CHANGE 2020/2019	% CHANGE 2020/2010	% CHANGE 2020/2000
RURAL MINOR ARTERIAL																	
231	GRAFTON	262	250	272	240	267	243	233	170	286	277	290	290	301	3.8%	23.9%	14.9%
247	COURTENAY	50	44	40	32	33	36	45	34	45	34	31	32	38	18.8%	5.6%	-24.0%
249	GARRISON	160	106	112	106	117	127	165	255	177	174	187	178	195	9.6%	53.5%	21.9%
275	HANNOVER	74	62	64	60	57	80	92	100	152	116	88	94	86	-8.5%	7.5%	16.2%
289	MANNING		142	128	160	408	931	1714	2392	1125	1309	1548	1591	1194	-25.0%	28.2%	--
291	MARMARTH							181	225	157	171	197	187	175	-6.4%	--	--
293	KILLDEER							1484	1928	1038	1516	1881	1704	1060	-37.8%	--	--
295	NECHE							89	111	90	120	126	125	125	0.0%	--	--
373	DICKINSON22S									404	308	306	330	298	-9.7%	--	--
453	OAKES_S1____										283	302	256	253	-1.2%	--	--
461	THOMPSON_W15									183	184	185	179	182	1.7%	--	--
727	ENDERLIN_E46									322	351	351	346	331	-4.3%	--	--
759	WILTON_E36__									133	125	119	124	155	25.0%	--	--
	MEAN	137	121	123	120	176	283	500	652	343	382	432	418	338	-2.6%	23.7%	7.2%
RURAL MAJOR COLLECTOR - STATE																	
267	TRENTON						670	1770	1593	834	675	1031	1160	788	-32.1%	17.6%	--
493	ST_THOMAS_W_									188	192	184	146	201	37.7%	--	--
783	KULM_S56____									47	39	40	67	67	0.0%	--	--
	MEAN						670	1770	1593	356	302	418	458	352	1.9%	17.6%	--
RURAL MAJOR COLLECTOR - COUNTY																	
101	MINOT55ST_NE								579	472	437	420	391	387	-1.0%	--	--
103	MINOT46AV_NE								242	194	182	178	222	175	-21.2%	--	--
225	STERLING			46	39	54	68	89	141	142	141	141	160	152	-5.0%	123.5%	--
	MEAN			46	39	54	68	89	321	269	253	246	258	238	-9.1%	123.5%	--
URBAN PRINCIPAL ARTERIAL																	
287	GRAND FORKS									438	421	418	411	435	5.8%	--	--
503	BISMARCK (U)						1515	1880	1768	1748	1613	1679	1674		-0.3%	--	--
513	WFARGO_MAIN_(U)									1084	1205	1115	1143	1087	-4.9%	--	--
	MEAN						1515	1880	1097	1125	1049	1078	1065		0.2%	--	--

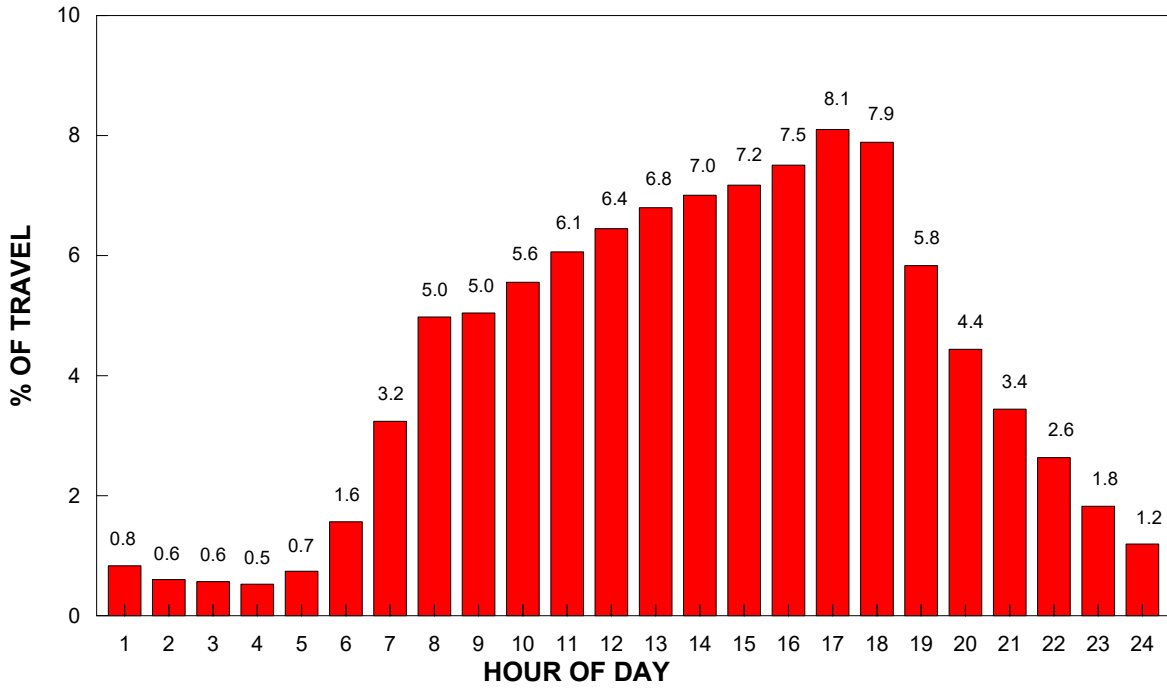
Missing data is the result of years when a recording station was out of service

HOURLY DISTRIBUTION OF TRAVEL

RURAL INTERSTATE 94

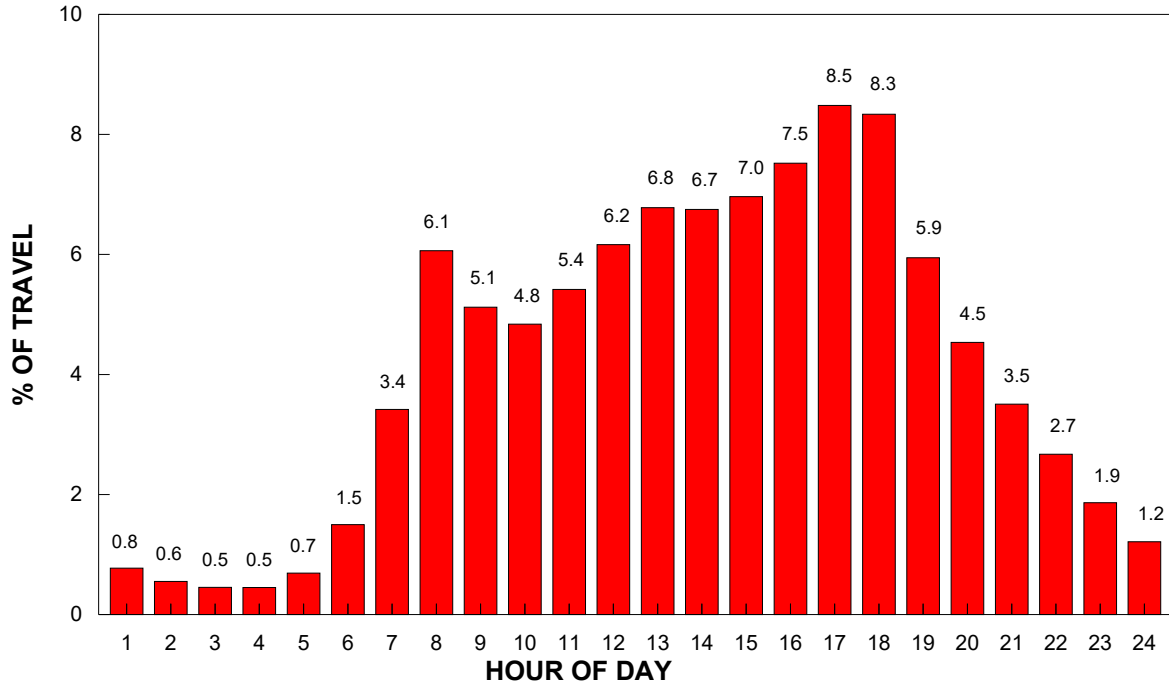


RURAL INTERSTATE 29

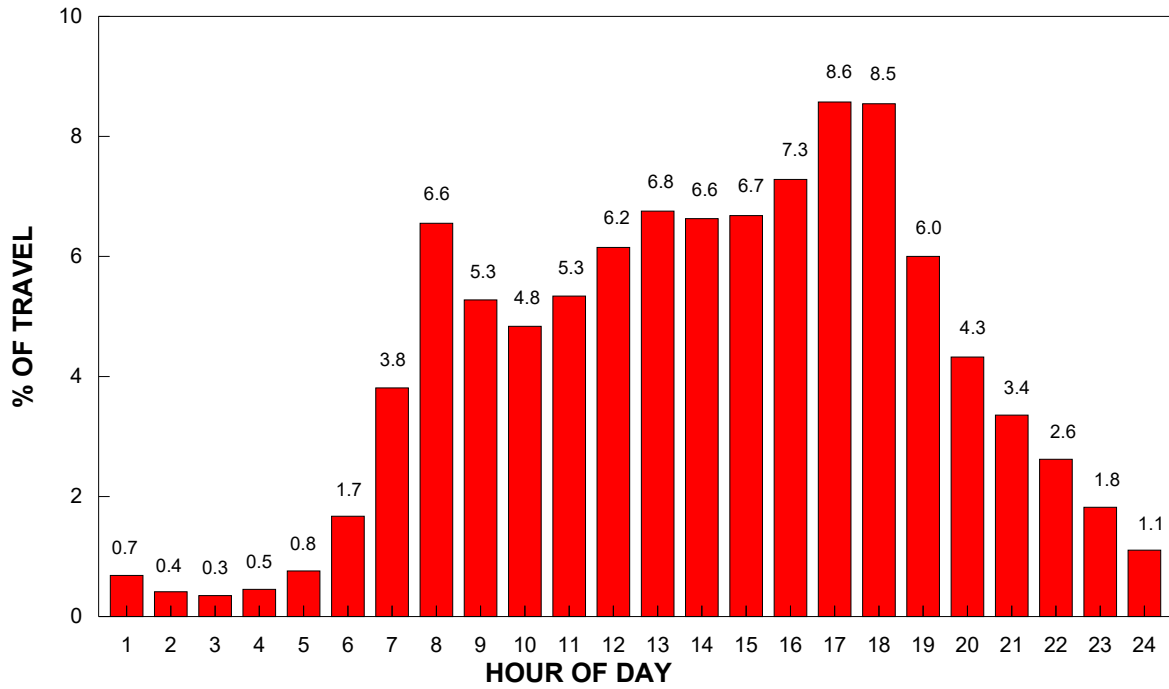


HOURLY DISTRIBUTION OF TRAVEL

URBAN INTERSTATE 94

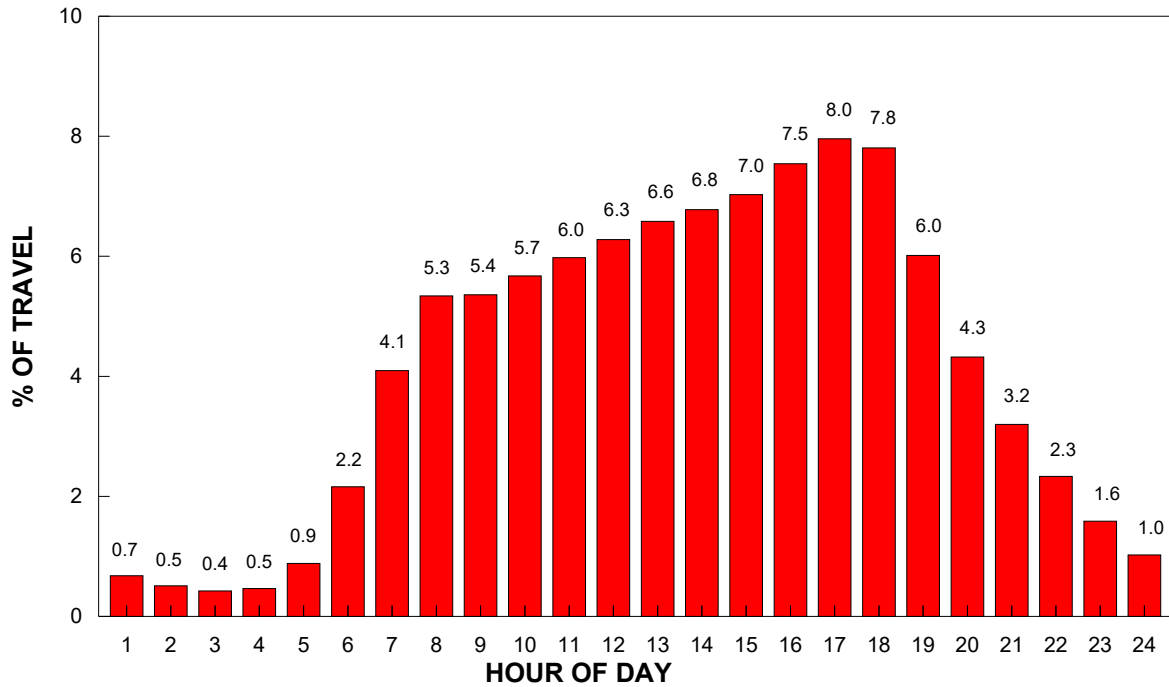


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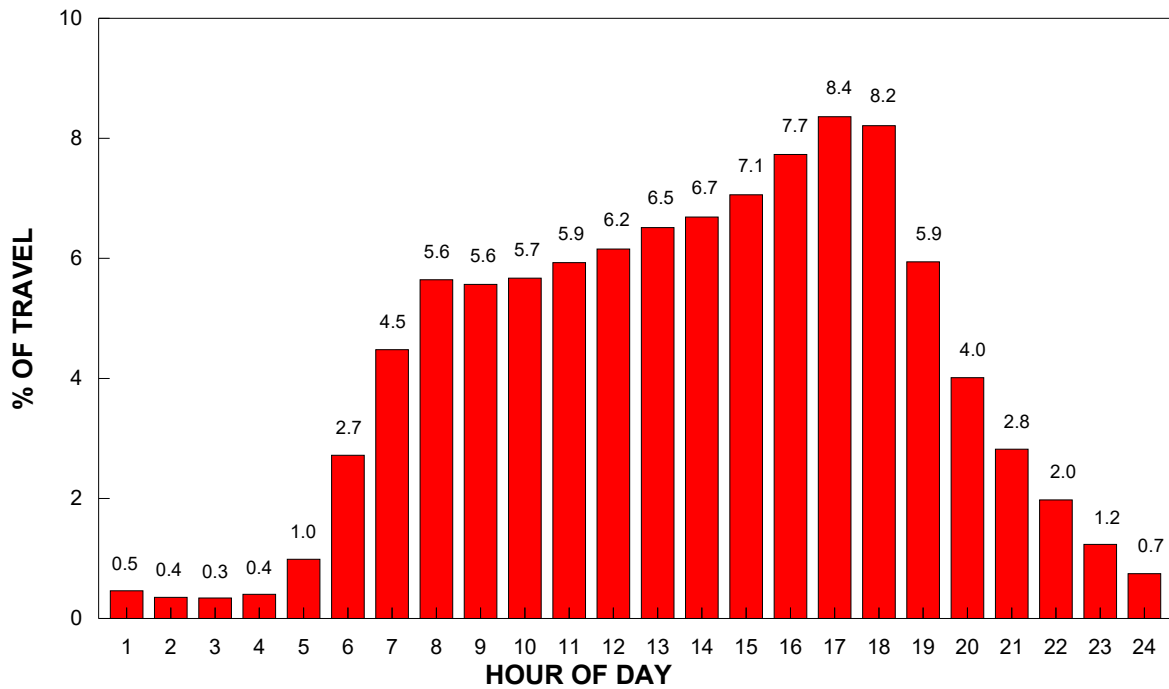


HOURLY DISTRIBUTION OF TRAVEL

RURAL PRINCIPAL ARTERIAL

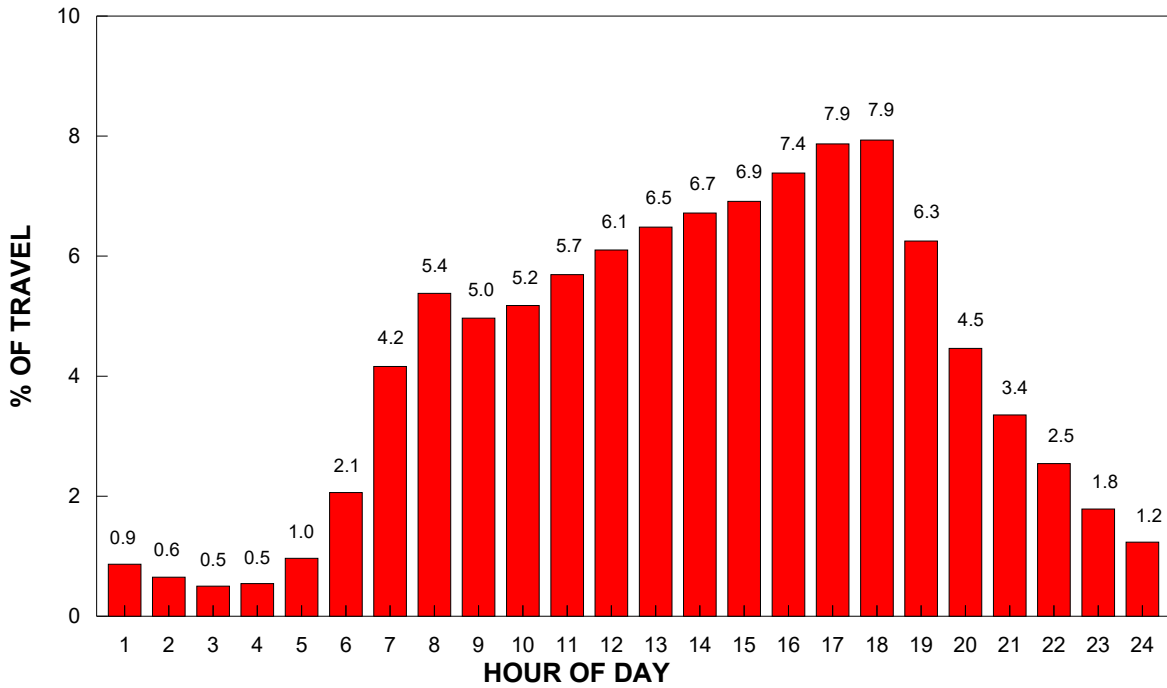


RURAL MINOR ARTERIAL

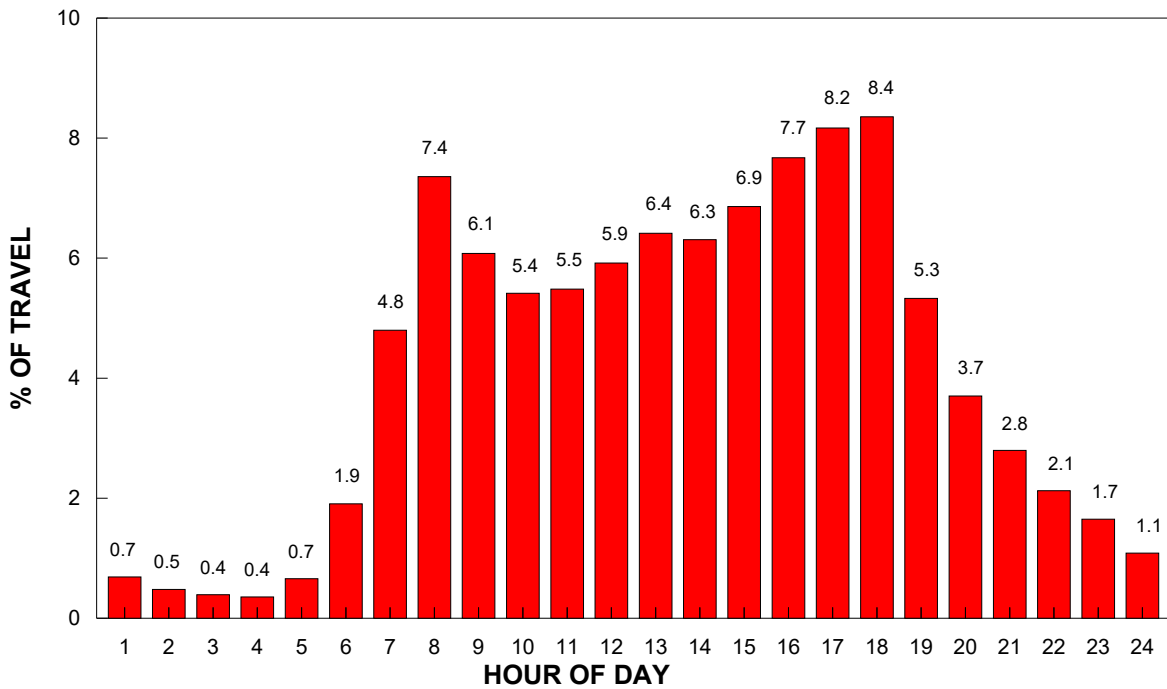


HOURLY DISTRIBUTION OF TRAVEL

RURAL MAJOR COLLECTOR - STATE

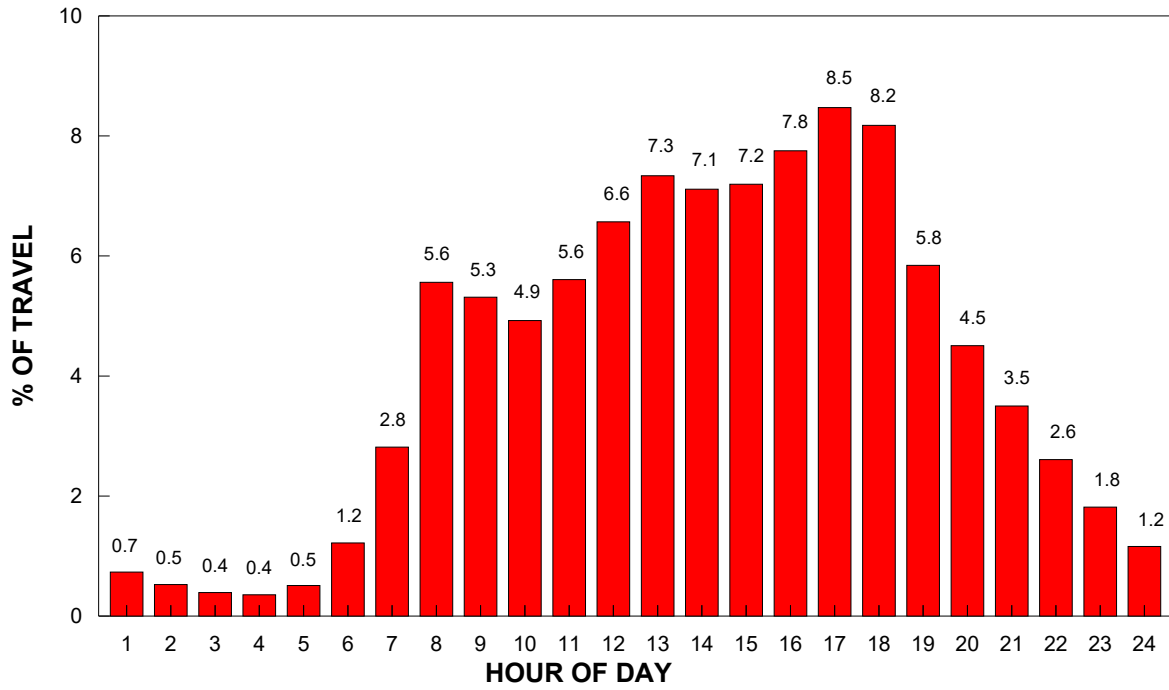


RURAL MAJOR COLLECTOR - COUNTY

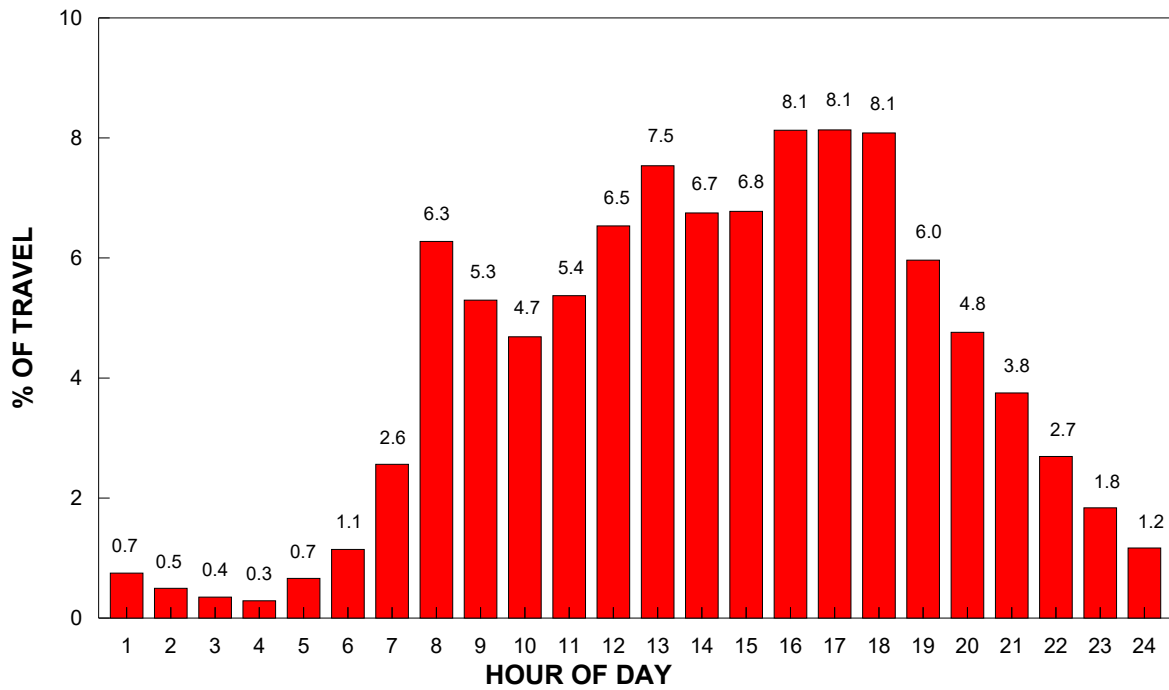


HOURLY DISTRIBUTION OF TRAVEL

URBAN PRINCIPAL ARTERIAL

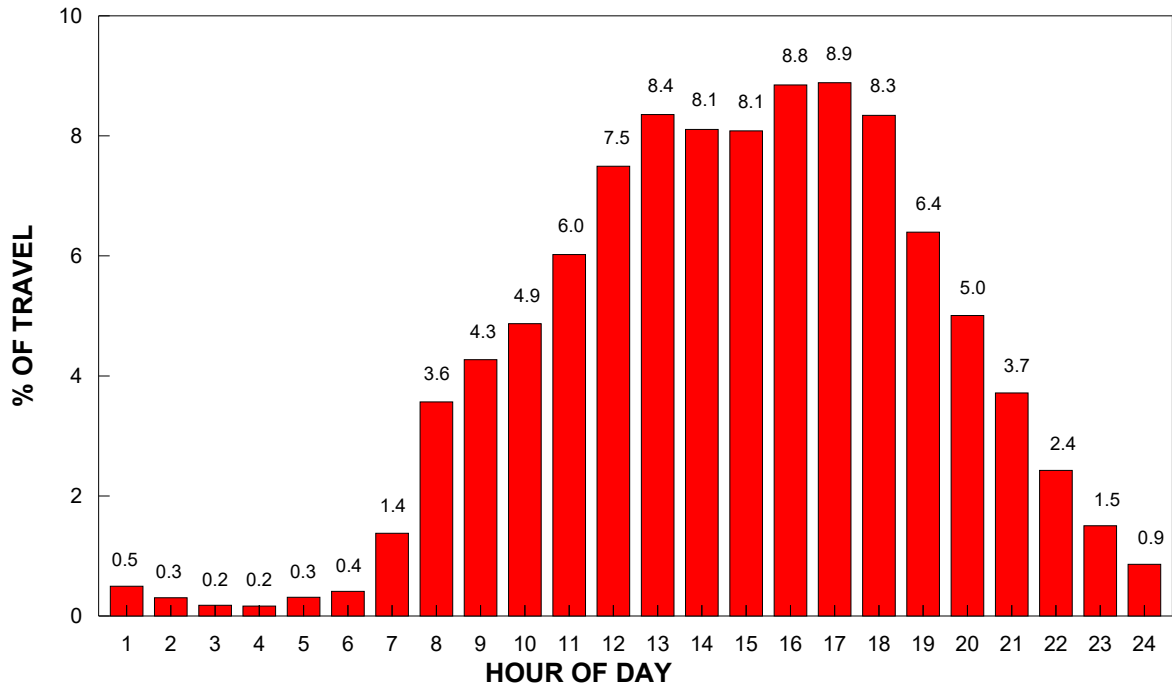


URBAN MINOR ARTERIAL

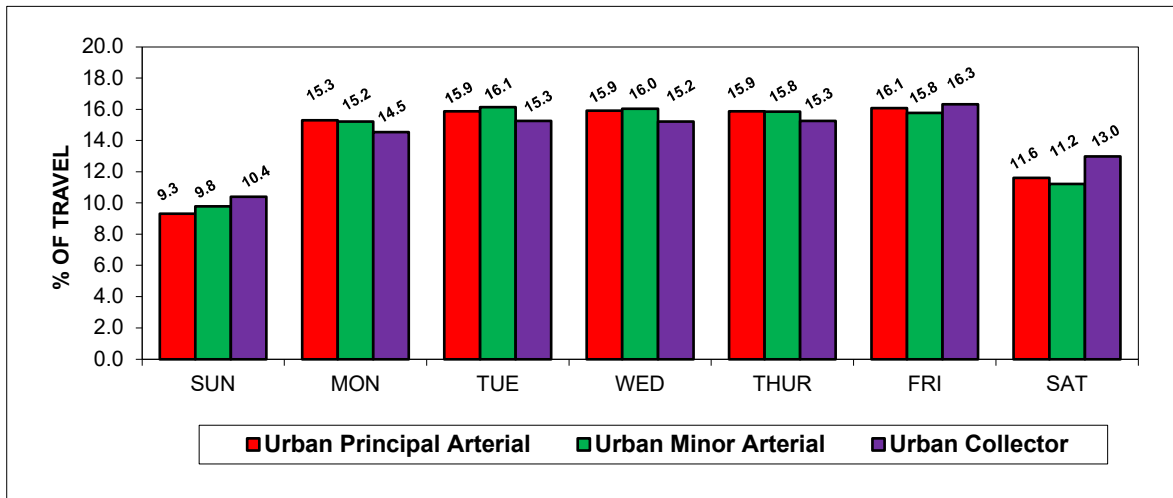
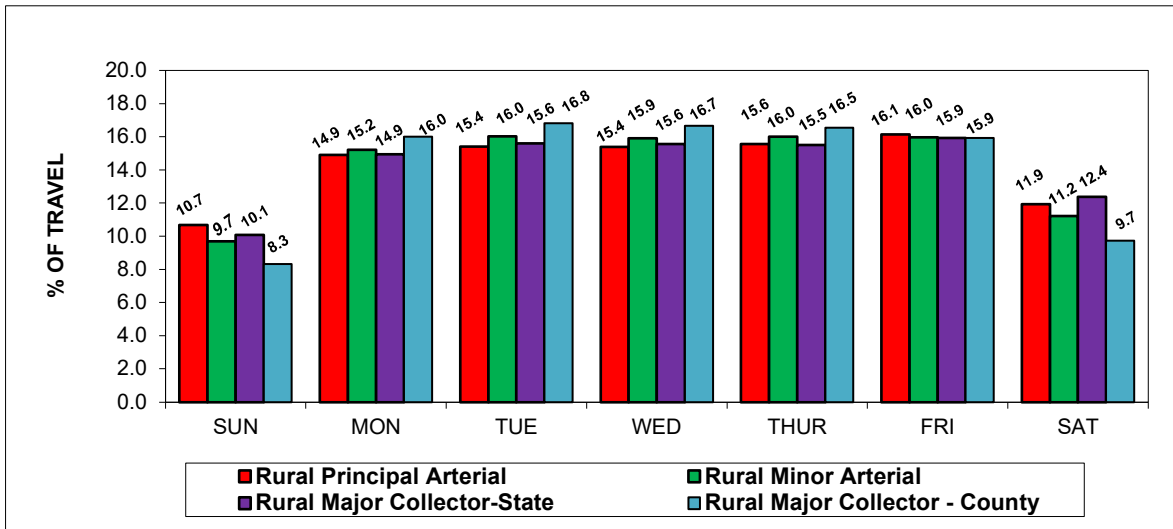
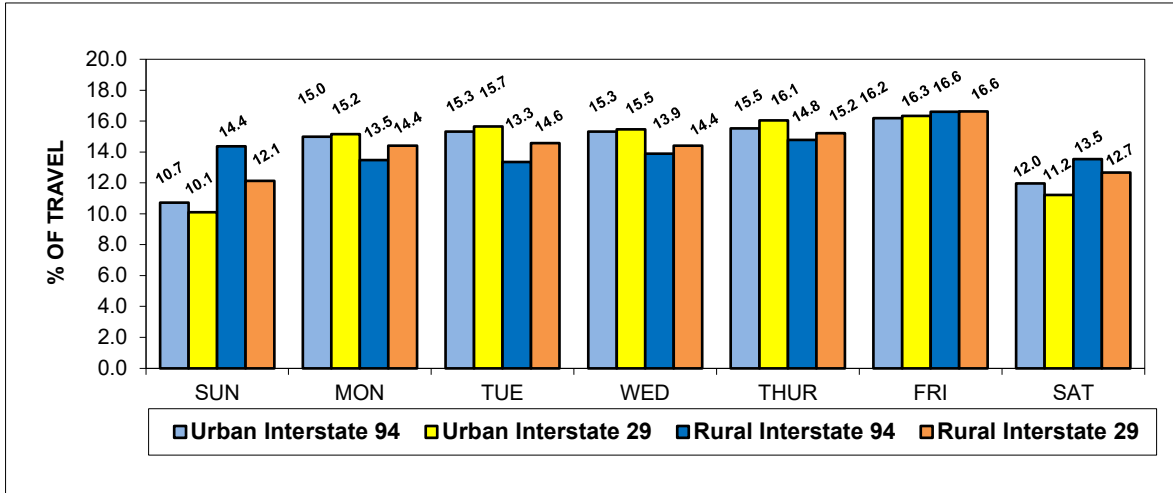


HOURLY DISTRIBUTION OF TRAVEL

URBAN COLLECTOR

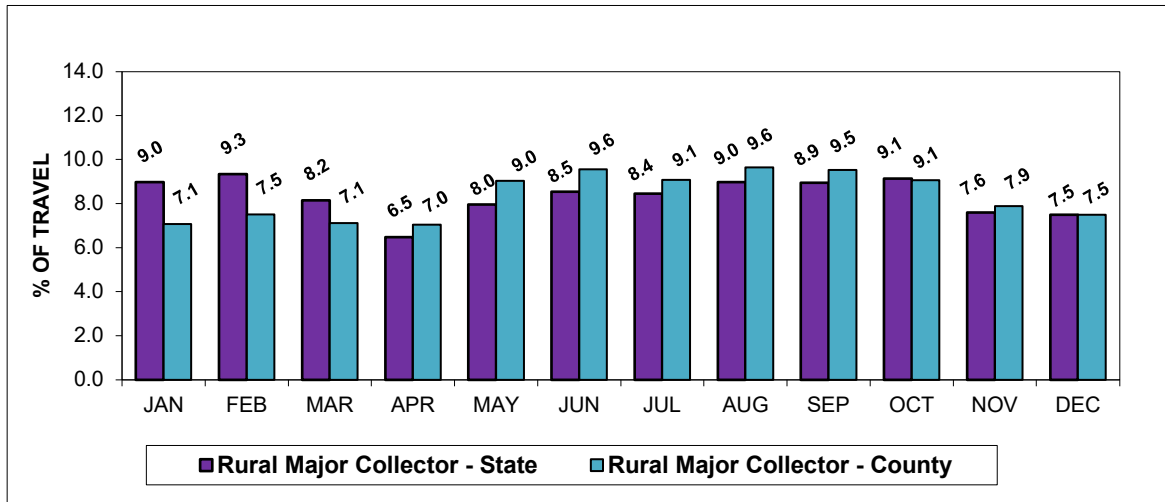
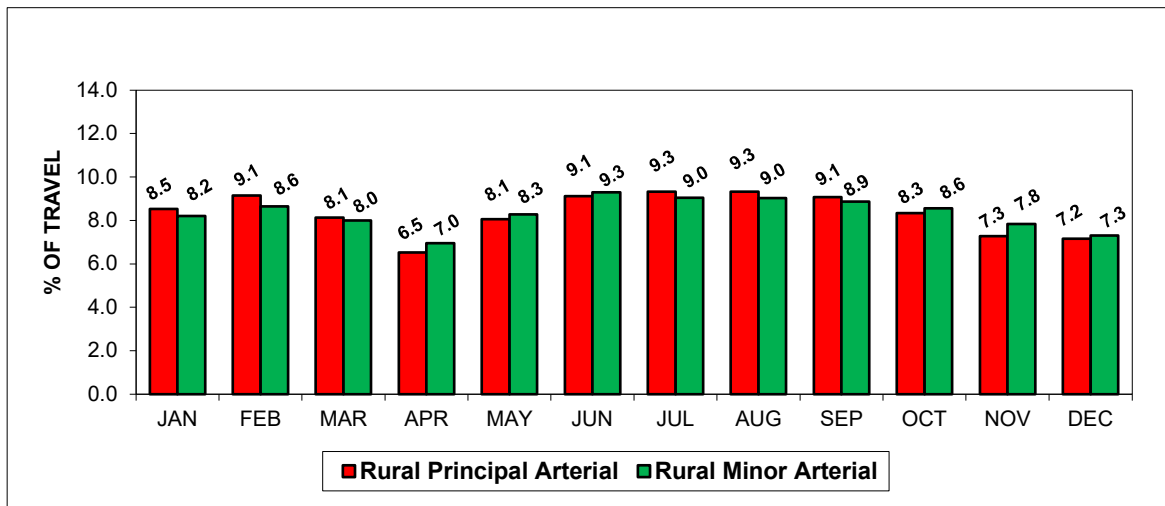
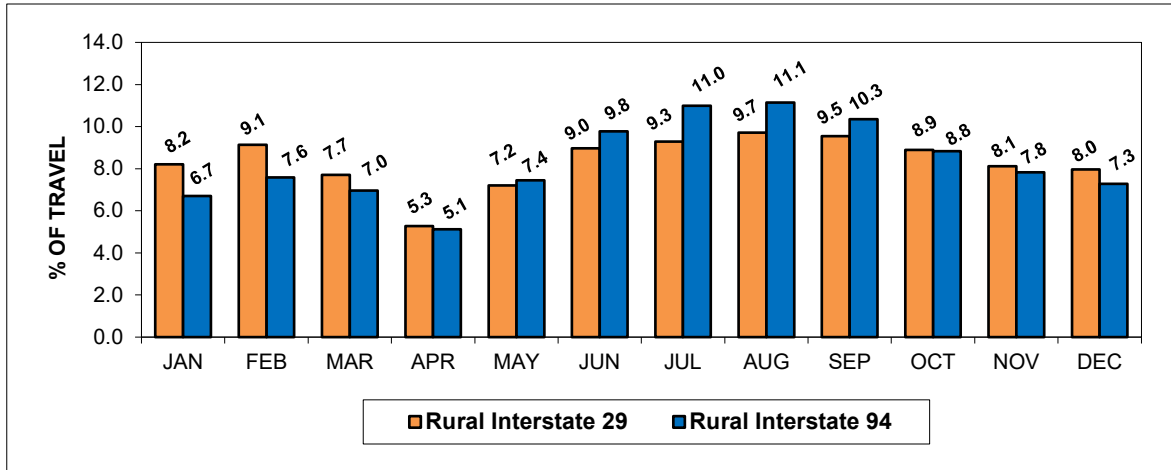


DAILY DISTRIBUTION OF TRAVEL TOTAL VEHICLES



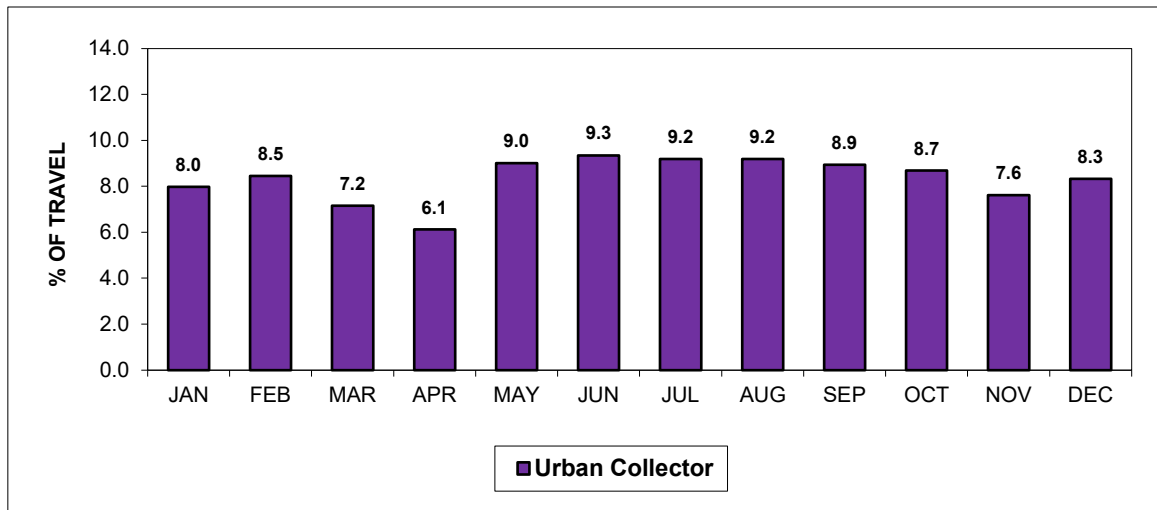
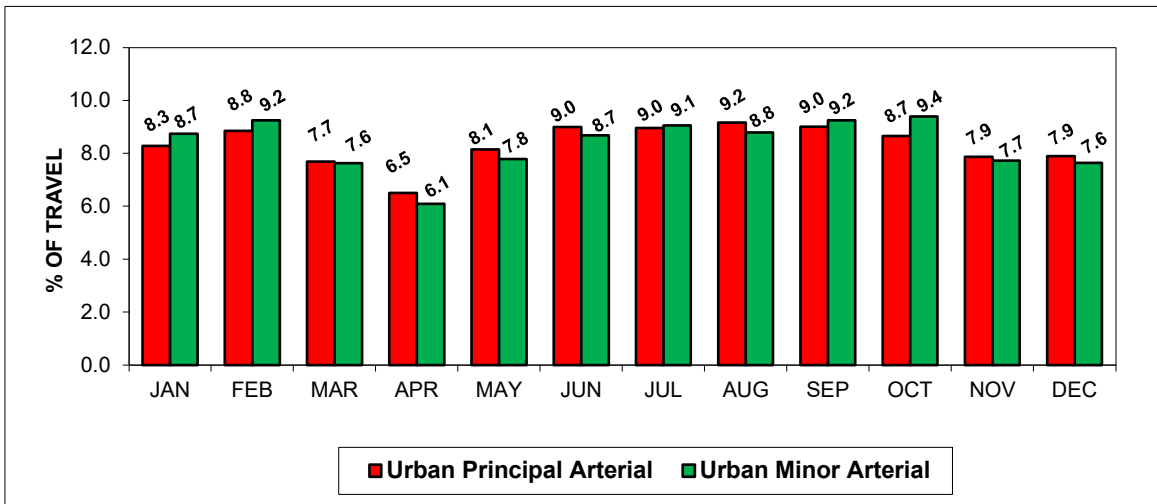
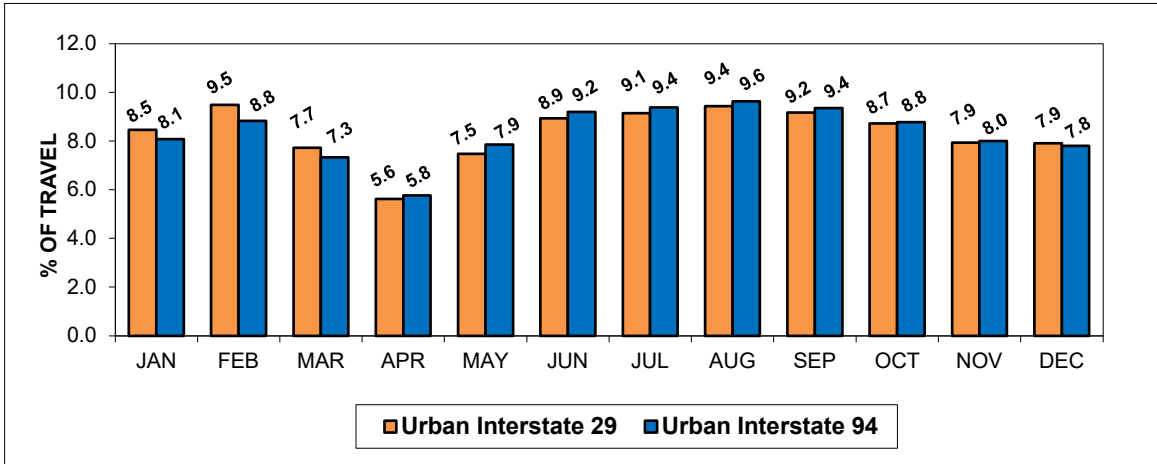
MONTHLY DISTRIBUTION OF ANNUAL TRAFFIC

TOTAL RURAL VEHICLES



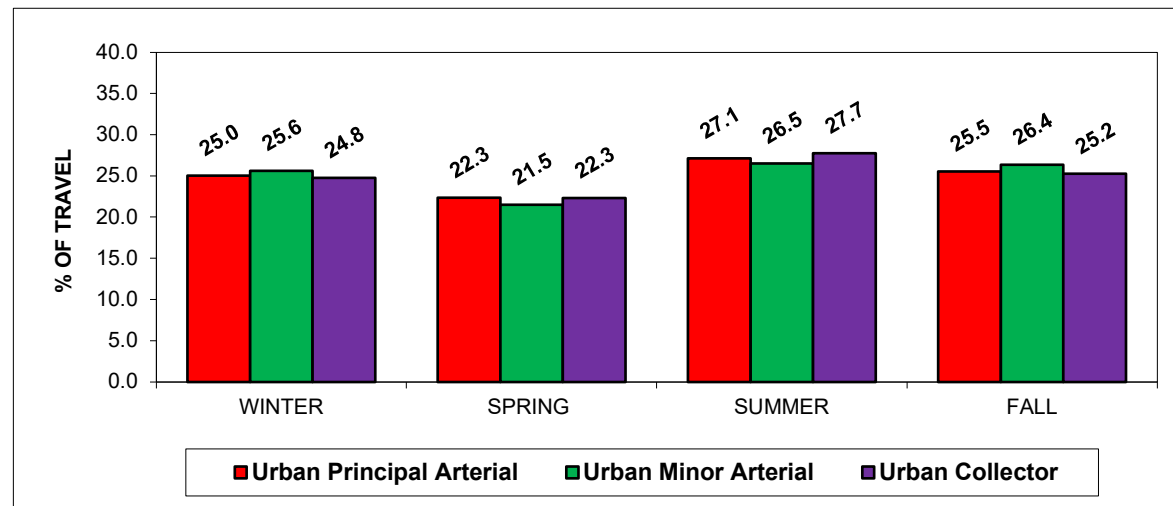
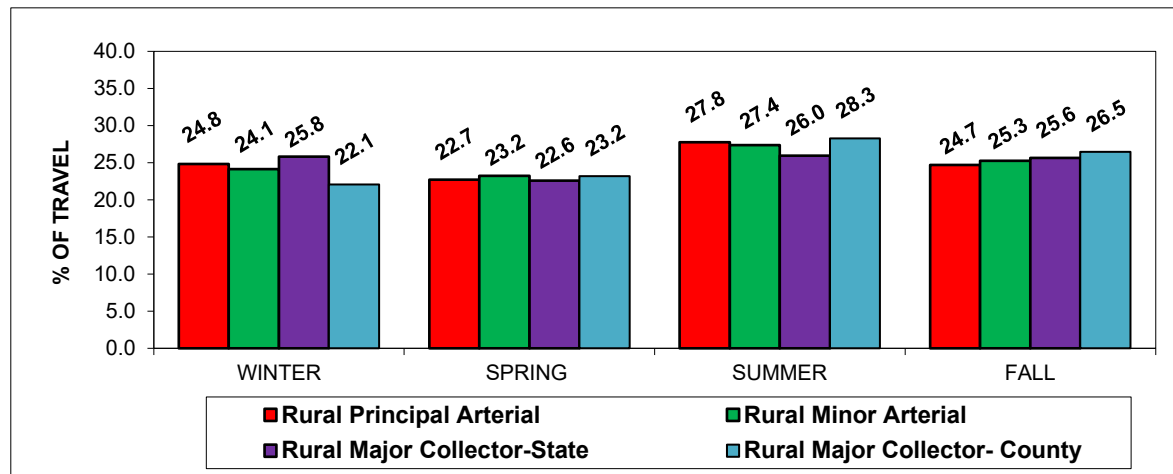
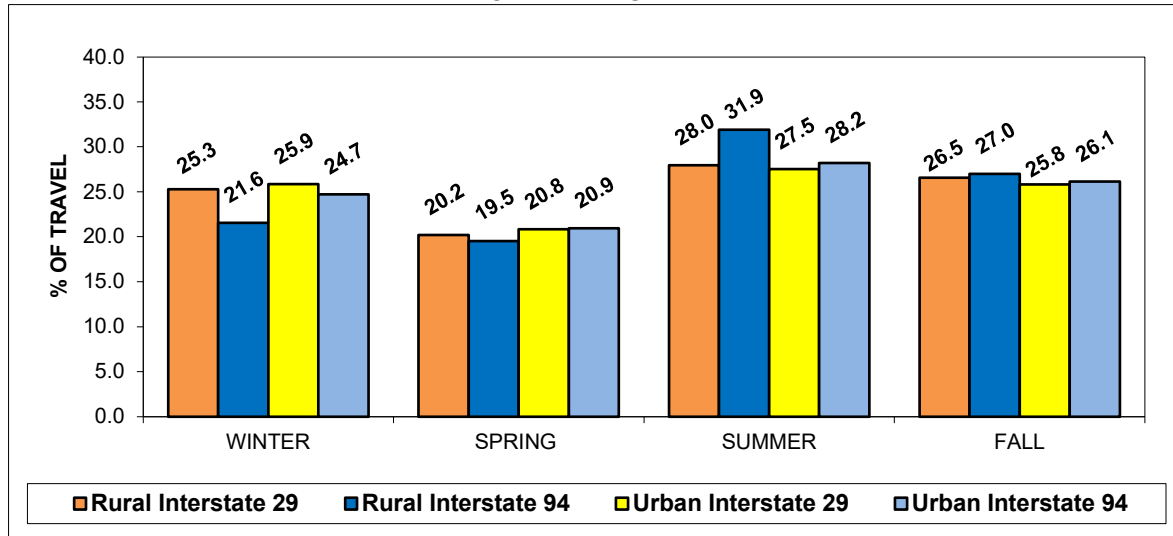
MONTHLY DISTRIBUTION OF ANNUAL TRAFFIC

TOTAL URBAN VEHICLES

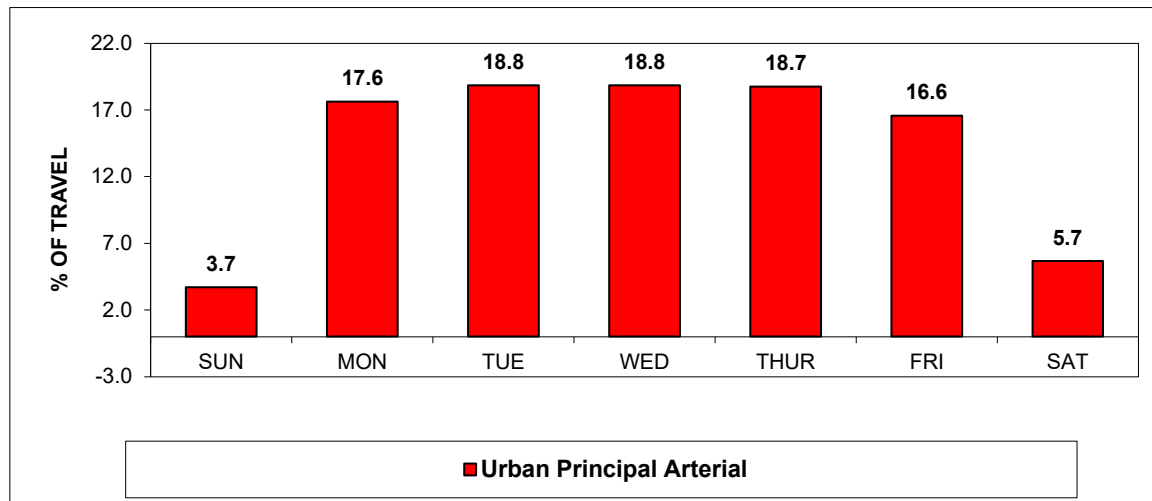
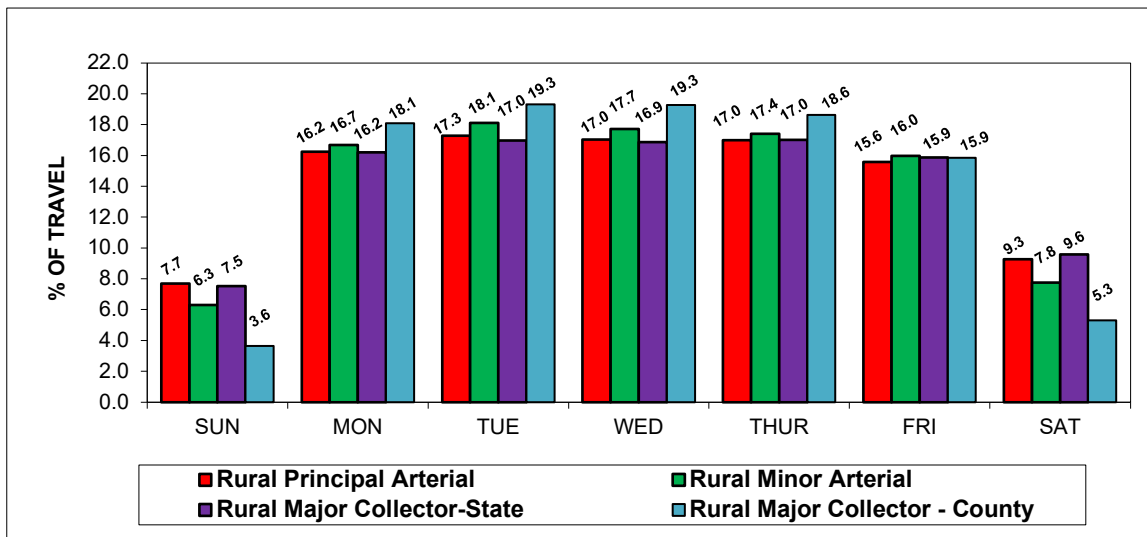
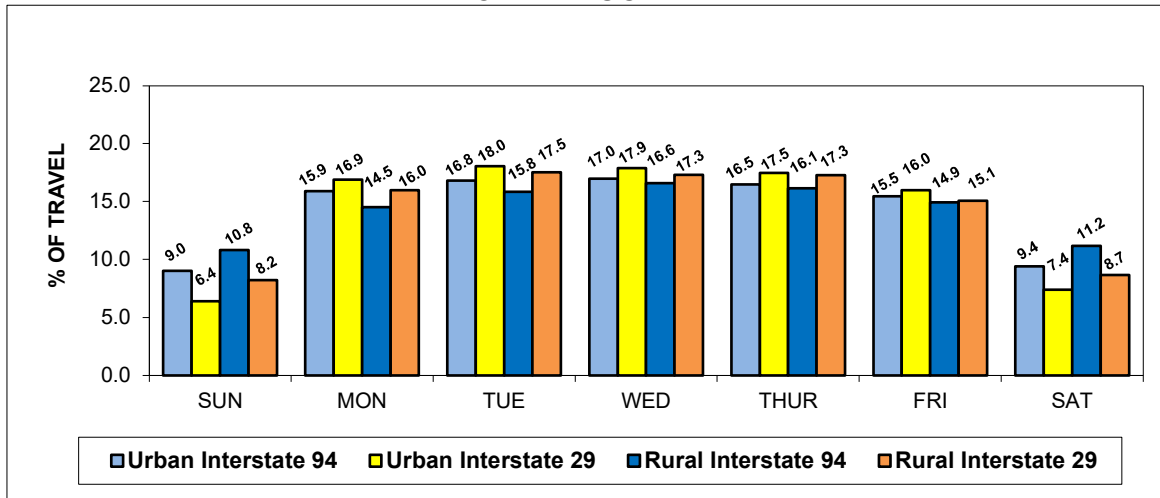


SEASONAL DISTRIBUTION OF TRAVEL

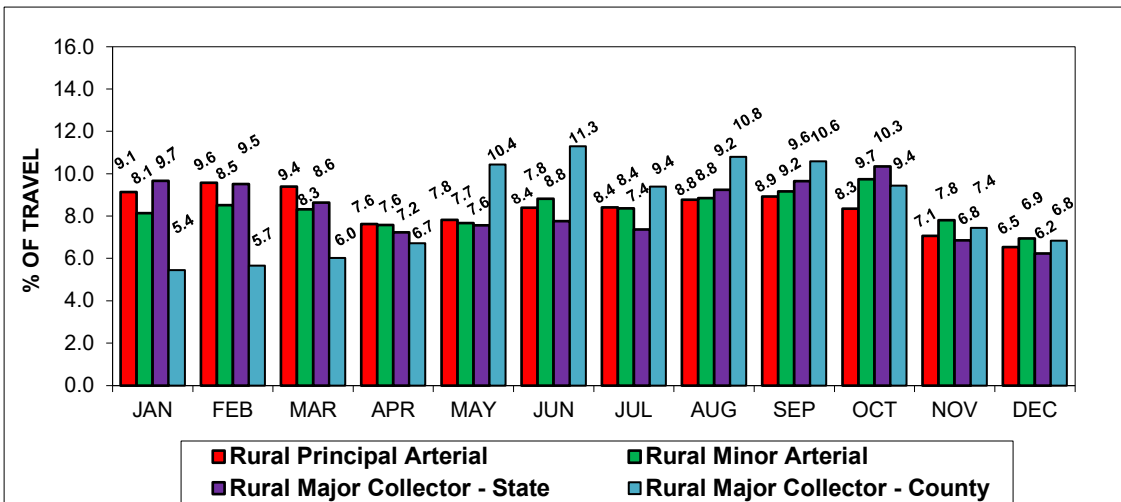
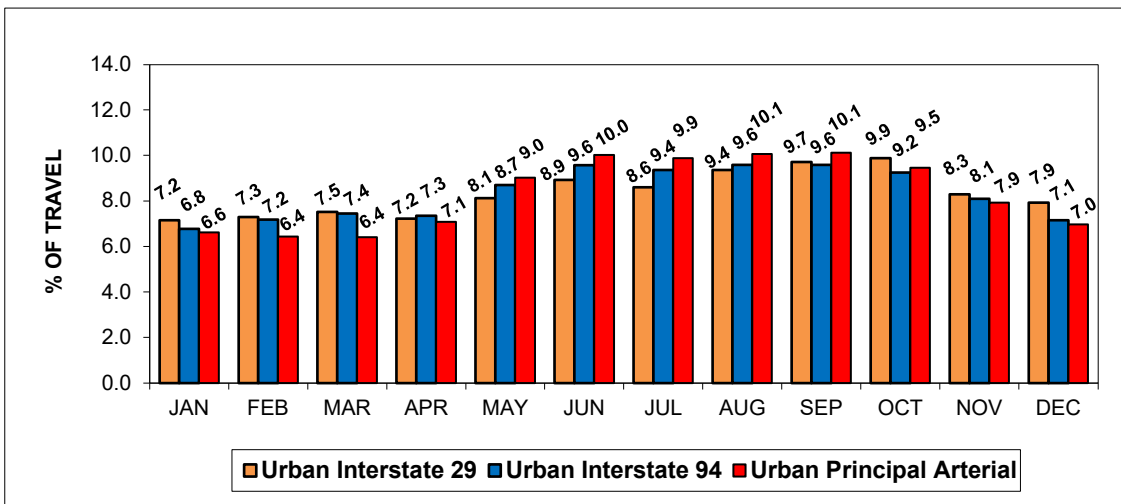
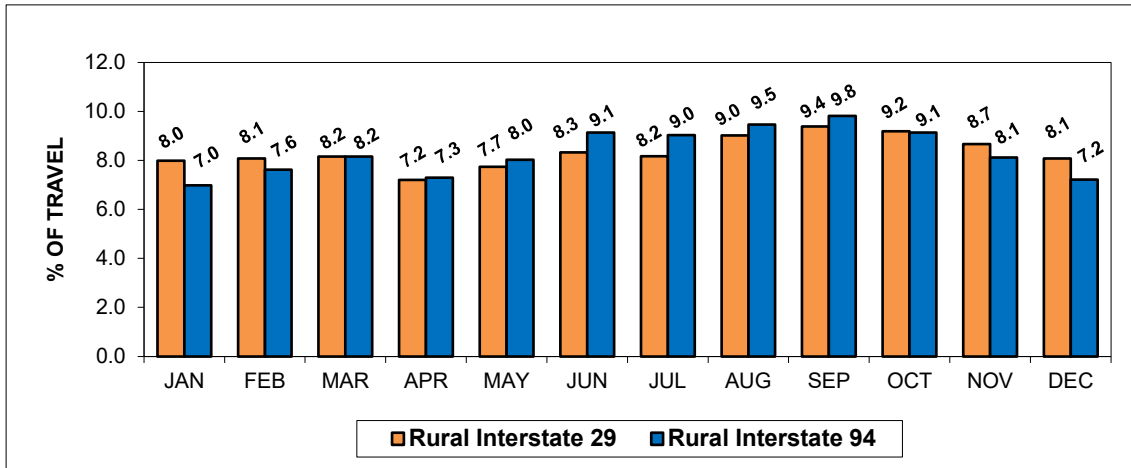
TOTAL VEHICLES



DAILY DISTRIBUTION OF TRAVEL TOTAL TRUCKS

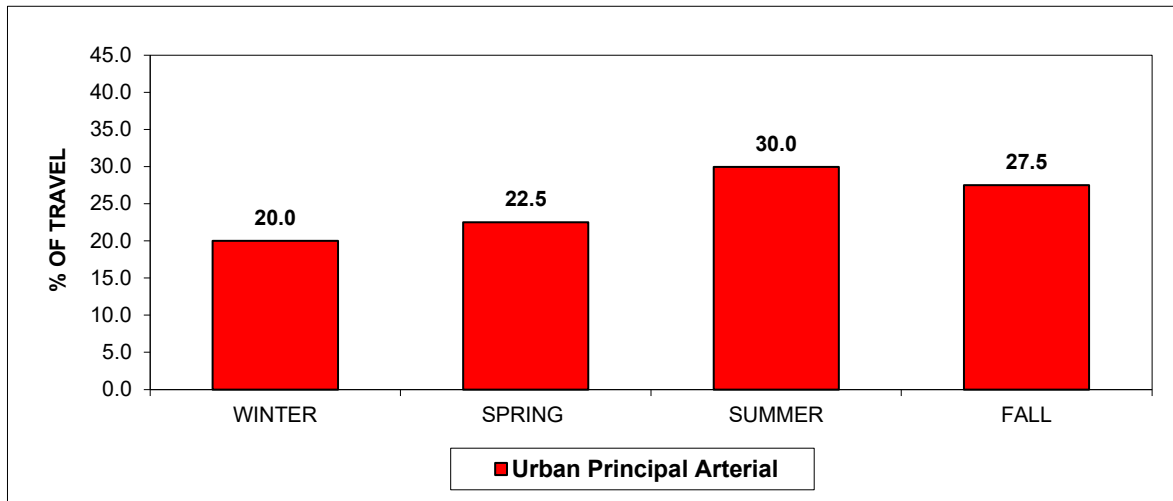
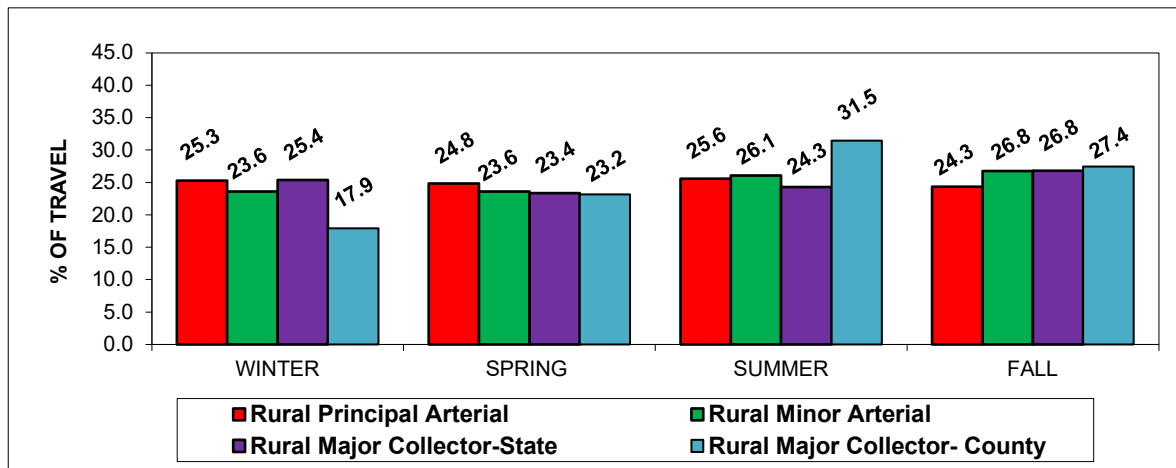
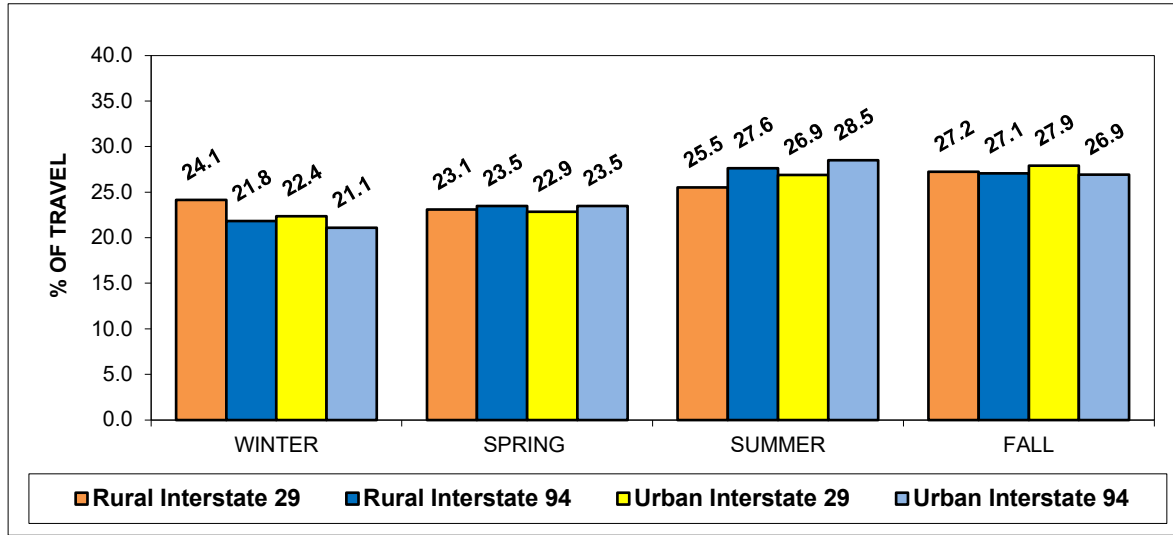


MONTHLY DISTRIBUTION OF ANNUAL TRAFFIC TOTAL TRUCKS



SEASONAL DISTRIBUTION OF TRAVEL

TOTAL TRUCKS



**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2020**

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	3637	690	19.0%	497	13.7%	365	58-42
		WEST	3549	591	16.7%	436	12.3%	387	53-47
		EAST & WEST	7186	1,204	16.8%	861	12.0%		
223	NEW SALEM	EAST	3866	607	15.7%	498	12.9%	345	59-41
		WEST	3798	580	15.3%	470	12.4%	425	53-47
		EAST & WEST	7664	995	13.0%	913	11.9%		
245	TOWER CITY	EAST	4845	878	18.1%	633	13.1%	567	53-47
		WEST	4847	763	15.7%	610	12.6%	439	58-42
		EAST & WEST	9692	1,502	15.5%	1226	12.6%		
279	PAINTED CANYON	EAST	2086	435	20.9%	321	15.4%	358	47-53
		WEST	2033	511	25.1%	342	16.8%	210	62-38
		EAST & WEST	4119	774	18.8%	632	15.3%		
INTERSTATE RURAL - I-29									
211	BUXTON	NORTH	5039	829	16.5%	651	12.9%	663	50-50
		SOUTH	4993	860	17.2%	610	12.2%	520	54-46
		NORTH & SOUTH	10032	1,525	15.2%	1205	12.0%		
243	BOWESMONT	NORTH	1131	229	20.2%	148	13.1%	100	60-40
		SOUTH	1098	227	20.7%	158	14.4%	117	57-43
		NORTH & SOUTH	2229	374	16.8%	279	12.5%		
265	MOORETON	NORTH	3003	408	13.6%	347	11.6%	324	52-48
		SOUTH	3021	449	14.9%	361	11.9%	348	51-49
		NORTH & SOUTH	6024	784	13.0%	687	11.4%		
285	DAVENPORT	NORTH	5452	762	14.0%	667	12.2%	394	63-37
		SOUTH	5439	813	14.9%	747	13.7%	536	58-42
		NORTH & SOUTH	10891	1,374	12.6%	1254	11.5%		
INTERSTATE URBAN - I-94									
217	FARGO (U)	EAST	32060	4,394	13.7%	4079	12.7%	2918	58-42
		WEST	32675	4,441	13.6%	4104	12.6%	2249	65-35
		EAST & WEST	64735	7,562	11.7%	7066	10.9%		
283	BISMARCK (U)	EAST	12631	1,479	11.7%	1368	10.8%	1416	49-51
		WEST	12474	1,512	12.1%	1417	11.4%	1267	53-47
		EAST & WEST	25105	2,915	11.6%	2765	11.0%		
INTERSTATE URBAN - I-29									
235	FARGO (U)	NORTH	14983	2,131	14.2%	1837	12.3%	1535	54-46
		SOUTH	14259	1,894	13.3%	1705	12.0%	1536	53-47
		NORTH & SOUTH	29242	3,865	13.2%	3416	11.7%		
PRINCIPAL ARTERIAL RURAL									
201	RAY	EAST	2403	287	11.9%	257	10.7%	218	54-46
		WEST	2388	300	12.6%	271	11.3%	208	57-43
		EAST & WEST	4791	545	11.4%	487	10.2%		
203	MAX	NORTH	2165	407	18.8%	311	14.4%	172	64-36

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2020**

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	2140	374	17.5%	303	14.2%	231	57-43
		NORTH & SOUTH	4305	653	15.2%	547	12.7%		
205	GWINNER	EAST	536	123	22.9%	106	19.8%	12	90-10
		WEST	546	130	23.8%	110	20.1%	39	74-26
		EAST & WEST	1082	170	15.7%	149	13.8%		
215	JAMESTOWN	EAST	1530	224	14.6%	180	11.8%	122	60-40
		WEST	1530	199	13.0%	160	10.5%	104	61-39
		EAST & WEST	3060	369	12.1%	312	10.2%		
219	MANDAN	NORTH	859	184	21.4%	102	11.9%	57	64-36
		SOUTH	866	183	21.1%	118	13.6%	60	66-34
		NORTH & SOUTH	1725	253	14.7%	199	11.5%		
221	FAIRFIELD	NORTH	1365	167	12.2%	144	10.5%	102	59-41
		SOUTH	1403	216	15.4%	181	12.9%	91	67-33
		NORTH & SOUTH	2768	338	12.2%	288	10.4%		
229	COOPERSTOWN	EAST	394	126	32.0%	56	14.2%	33	63-37
		WEST	372	177	47.6%	51	13.7%	49	51-49
		EAST & WEST	766	201	26.2%	100	13.1%		
233	FOXHOLM	EAST	958	127	13.3%	104	10.9%	53	66-34
		WEST	985	163	16.5%	118	12.0%	71	62-38
		EAST & WEST	1943	237	12.2%	199	10.2%		
237	NEKOMA	NORTH	395	69	17.5%	53	13.4%	23	70-30
		SOUTH	402	69	17.2%	56	13.9%	51	52-48
		NORTH & SOUTH	797	126	15.8%	102	12.8%		
239	NEW TOWN	EAST	2460	326	13.3%	281	11.4%	329	46-54
		WEST	2522	392	15.5%	316	12.5%	253	56-44
		EAST & WEST	4982	666	13.4%	591	11.9%		
241	BOTTINEAU	EAST	583	132	22.6%	102	17.5%	48	68-32
		WEST	596	123	20.6%	86	14.4%	33	72-28
		EAST & WEST	1179	179	15.2%	154	13.1%		
251	HAGUE	NORTH	395	64	16.2%	53	13.4%	32	62-38
		SOUTH	394	74	18.8%	52	13.2%	41	56-44
		NORTH & SOUTH	789	112	14.2%	97	12.3%		
253	RUGBY	EAST	1211	199	16.4%	159	13.1%	152	51-49
		WEST	1201	334	27.8%	152	12.7%	114	57-43
		EAST & WEST	2412	437	18.1%	288	11.9%		
255	CROSBY	EAST	355	63	17.7%	47	13.2%	18	72-28
		WEST	355	74	20.8%	43	12.1%	26	62-38
		EAST & WEST	710	104	14.6%	81	11.4%		
257	WILLISTON	EAST	865	140	16.2%	95	11.0%	68	58-42
		WEST	892	151	16.9%	124	13.9%	60	67-33
		EAST & WEST	1757	251	14.3%	194	11.0%		
261	CARRINGTON	NORTH	761	157	20.6%	104	13.7%	69	60-40
		SOUTH	760	139	18.3%	93	12.2%	50	65-35

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2020**

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	1521	225	14.8%	180	11.8%		
273	NEW LEIPZIG	EAST	175	60	34.3%	28	16.0%	11	72-28
		WEST	179	61	34.1%	28	15.6%	15	65-35
		EAST & WEST	354	78	22.0%	48	13.6%		
281	SAWYER	EAST	2183	372	17.0%	330	15.1%	141	70-30
		WEST	2208	364	16.5%	338	15.3%	122	73-27
		EAST & WEST	4391	542	12.3%	496	11.3%		
297	WILLISTON NW	NORTH	1985	295	14.9%	247	12.4%	173	59-41
		SOUTH	2005	349	17.4%	264	13.2%	158	63-37
		NORTH & SOUTH	3990	573	14.4%	486	12.2%		
299	KILLDEER200W	EAST	690	160	23.2%	93	13.5%	74	56-44
		WEST	704	104	14.8%	88	12.5%	79	53-47
		EAST & WEST	1394	214	15.4%	168	12.1%		
303	MICHIGAN	EAST	1649	417	25.3%	275	16.7%	92	75-25
		WEST	1643	359	21.9%	265	16.1%	171	61-39
		EAST & WEST	3292	611	18.6%	455	13.8%		
307	WASHBURN	NORTH	2454	473	19.3%	331	13.5%	190	64-36
		SOUTH	2451	417	17.0%	317	12.9%	195	62-38
		NORTH & SOUTH	4905	710	14.5%	589	12.0%		
309	NEWTOWN EAST	EAST	1975	404	20.5%	324	16.4%	143	69-31
		WEST	1950	272	13.9%	244	12.5%	57	81-19
		EAST & WEST	3925	599	15.3%	471	12.0%		
311	WILLISTON 2N	EAST	3933	483	12.3%	409	10.4%	346	54-46
		WEST	3924	518	13.2%	426	10.9%	385	53-47
		EAST & WEST	7857	946	12.0%	817	10.4%		
315	RYDER E23	EAST	1061	178	16.8%	152	14.3%	79	66-34
		WEST	1036	151	14.6%	124	12.0%	104	54-46
		EAST & WEST	2097	290	13.8%	237	11.3%		
337	BLAISDELL E2	EAST	1980	360	18.2%	316	16.0%	140	69-31
		WEST	1994	390	19.6%	336	16.9%	59	85-15
		EAST & WEST	3974	506	12.7%	456	11.5%		
339	GRASSY BUTTE	NORTH	1387	205	14.8%	151	10.9%	83	65-35
		SOUTH	1388	222	16.0%	180	13.0%	96	65-35
		NORTH & SOUTH	2775	334	12.0%	297	10.7%		
341	ALEXANDER85W	NORTH	2570	360	14.0%	296	11.5%	191	61-39
		SOUTH	2577	280	10.9%	247	9.6%	268	48-52
		NORTH & SOUTH	5147	515	10.0%	467	9.1%		
343	WATFORD E23	EAST	1945	423	21.7%	352	18.1%	133	73-27
		WEST	1925	462	24.0%	376	19.5%	118	76-24
		EAST & WEST	3870	659	17.0%	559	14.4%		
345	WILLIAMS N85	NORTH	919	184	20.0%	110	12.0%	64	63-37
		SOUTH	896	166	18.5%	110	12.3%	111	50-50

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2020**

STATION NUMBER	STATION NAME	DIRECTION	ANNUAL AVERAGE DAILY TRAFFIC (AADT)	---- PEAK HOUR ----		----- DESIGN HOUR -----			
				VOLUME	% OF AADT	VOLUME	% OF AADT	VOLUME OPPOSITE DIR	DIRECTIONAL DISTRIBUTION
PRINCIPAL ARTERIAL RURAL									
345	WILLIAMS N85	NORTH & SOUTH	1815	262	14.4%	203	11.2%		
349	BEULAH S49	NORTH	693	124	17.9%	90	13.0%	19	83-17
		SOUTH	692	148	21.4%	96	13.9%	80	55-45
		NORTH & SOUTH	1385	208	15.0%	164	11.8%		
351	COLUMBUS W5	EAST	257	88	34.2%	40	15.6%	15	73-27
		WEST	256	65	25.4%	40	15.6%	22	65-35
		EAST & WEST	513	91	17.7%	67	13.1%		
353	GRANVILLE E2	EAST	1196	219	18.3%	165	13.8%	207	44-56
		WEST	1191	314	26.4%	147	12.3%	98	60-40
		EAST & WEST	2387	455	19.1%	283	11.9%		
355	MOHALL W5	EAST	357	84	23.5%	51	14.3%	28	65-35
		WEST	348	65	18.7%	49	14.1%	33	60-40
		EAST & WEST	705	100	14.2%	87	12.3%		
419	EMERADO W2	EAST	2694	470	17.4%	340	12.6%	233	59-41
		WEST	2688	518	19.3%	401	14.9%	181	69-31
		EAST & WEST	5382	780	14.5%	655	12.2%		
423	HARVEY N3	SOUTH	292	95	32.5%	41	14.0%		-
429	LAKOTA S1	NORTH	276	72	26.1%	45	16.3%	29	61-39
		SOUTH	283	79	27.9%	48	17.0%	25	66-34
		NORTH & SOUTH	559	113	20.2%	86	15.4%		
447	DUNSEITH E	NORTH	1290	301	23.3%	139	10.8%	149	48-52
		SOUTH	1315	242	18.4%	169	12.9%	89	66-34
		NORTH & SOUTH	2605	347	13.3%	294	11.3%		
449	SHEYENNE N	SOUTH	399	78	19.5%	56	14.0%		-
MINOR ARTERIAL RURAL									
231	GRAFTON	EAST	1156	180	15.6%	152	13.1%	66	70-30
		WEST	1163	228	19.6%	166	14.3%	76	69-31
		EAST & WEST	2319	368	15.9%	285	12.3%		
247	COURTENAY	NORTH	215	104	48.4%	38	17.7%	16	70-30
		SOUTH	211	77	36.5%	30	14.2%	26	54-46
		NORTH & SOUTH	426	175	41.1%	57	13.4%		
249	GARRISON	EAST	816	184	22.5%	119	14.6%	65	65-35
		WEST	810	170	21.0%	131	16.2%	62	68-32
		EAST & WEST	1626	278	17.1%	224	13.8%		
275	HANNOVER	NORTH	319	61	19.1%	46	14.4%	28	62-38
		SOUTH	313	62	19.8%	43	13.7%	23	65-35
		NORTH & SOUTH	632	100	15.8%	81	12.8%		
289	MANNING	NORTH	2015	483	24.0%	373	18.5%	64	85-15
		SOUTH	2031	412	20.3%	357	17.6%	120	75-25
		NORTH & SOUTH	4046	564	13.9%	492	12.2%		

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2020**

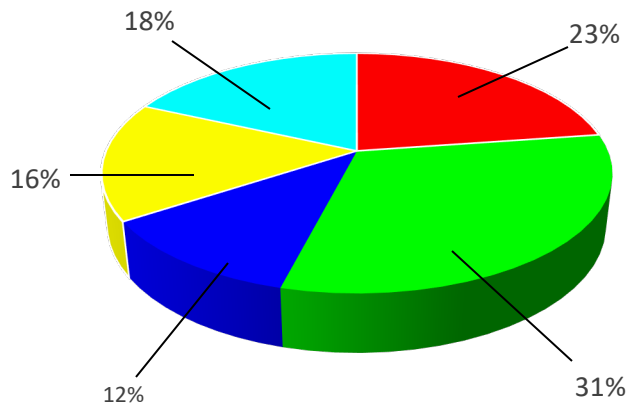
STATION NUMBER	STATION NAME	DIRECTION	ANNUAL AVERAGE DAILY TRAFFIC (AADT)	---- PEAK HOUR ----		----- DESIGN HOUR -----			
				VOLUME	% OF AADT	VOLUME	% OF AADT	VOLUME OPPOSITE DIR	DIRECTIONAL DISTRIBUTION
MINOR ARTERIAL RURAL									
291	MARMARTH	EAST	284	60	21.1%	45	15.8%	30	60-40
		WEST	285	70	24.6%	48	16.8%	20	71-29
		EAST & WEST	569	117	20.6%	88	15.5%		
293	KILLDEER	NORTH	1634	245	15.0%	216	13.2%	49	82-18
		SOUTH	1639	372	22.7%	261	15.9%	55	83-17
		NORTH & SOUTH	3273	364	11.1%	295	9.0%		
295	NECHE	NORTH	146	26	17.8%	20	13.7%	17	54-46
		SOUTH	154	42	27.3%	22	14.3%	11	67-33
		NORTH & SOUTH	300	57	19.0%	38	12.7%		
373	DICKINSON22S	NORTH	771	128	16.6%	86	11.2%	45	66-34
		SOUTH	767	119	15.5%	99	12.9%	58	63-37
		NORTH & SOUTH	1538	198	12.9%	170	11.1%		
453	OAKES S1	NORTH	566	85	15.0%	69	12.2%	48	59-41
		SOUTH	570	91	16.0%	74	13.0%	50	60-40
		NORTH & SOUTH	1136	158	13.9%	136	12.0%		
461	THOMPSON W15	EAST	763	138	18.1%	116	15.2%	42	73-27
		WEST	714	139	19.5%	113	15.8%	61	65-35
		EAST & WEST	1477	221	15.0%	188	12.7%		
727	ENDERLIN E46	EAST	889	132	14.8%	108	12.1%	98	52-48
		WEST	888	135	15.2%	111	12.5%	96	54-46
		EAST & WEST	1777	267	15.0%	213	12.0%		
759	WILTON E36	EAST	296	69	23.3%	42	14.2%	24	64-36
		WEST	283	68	24.0%	37	13.1%	69	35-65
		EAST & WEST	579	106	18.3%	70	12.1%		
MAJOR COLLECTOR - COUNTY									
101	MINOT55ST NE	NORTH	1194	189	15.8%	160	13.4%	146	52-48
		SOUTH	1212	207	17.1%	168	13.9%	123	58-42
		NORTH & SOUTH	2406	377	15.7%	317	13.2%		
103	MINOT46AV NE	EAST	582	113	19.4%	95	16.3%	51	65-35
		WEST	579	128	22.1%	103	17.8%	61	63-37
		EAST & WEST	1161	197	17.0%	166	14.3%		
225	STERLING	EAST	437	80	18.3%	66	15.1%	43	61-39
		WEST	406	61	15.0%	51	12.6%	39	57-43
		EAST & WEST	843	122	14.5%	105	12.5%		
259	AYR	EAST	171	40	23.4%	28	16.4%	12	70-30
		WEST	171	48	28.1%	30	17.5%	22	58-42
		EAST & WEST	342	69	20.2%	54	15.8%		
277	REGENT	NORTH	166	40	24.1%	29	17.5%	21	58-42
		SOUTH	171	48	28.1%	30	17.5%	20	60-40
		NORTH & SOUTH	337	69	20.5%	54	16.0%		
MAJOR COLLECTOR - STATE									
267	TRENTON	NORTH	1813	212	11.7%	181	10.0%	112	62-38

**PERMANENT STATION
PEAK HOUR & DESIGN HOUR
STATISTICS FOR 2020**

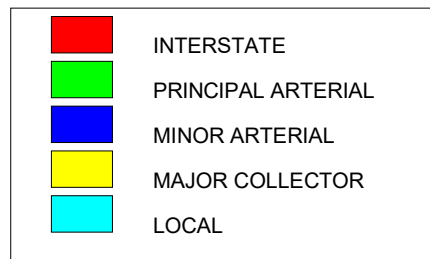
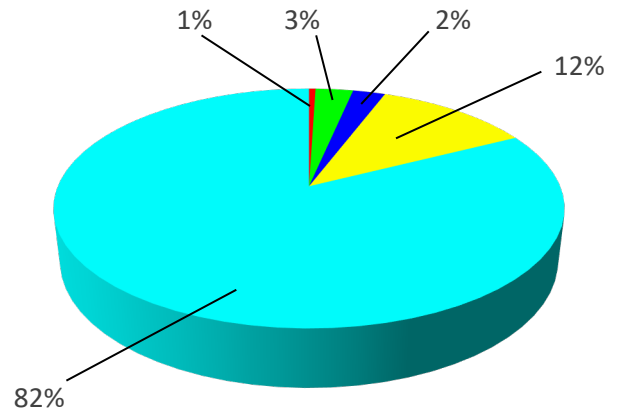
STATION NUMBER	STATION NAME	DIRECTION	ANNUAL AVERAGE DAILY TRAFFIC (AADT)	----- PEAK HOUR -----		----- DESIGN HOUR -----			
				VOLUME	% OF AADT	VOLUME	% OF AADT	VOLUME OPPOSITE DIR	DIRECTIONAL DISTRIBUTION
MAJOR COLLECTOR - STATE									
267	TRENTON	SOUTH	1802	272	15.1%	229	12.7%	146	61-39
		NORTH & SOUTH	3615	455	12.6%	394	10.9%		
493	ST THOMAS W	EAST	289	82	28.4%	60	20.8%	50	55-45
		WEST	285	81	28.4%	61	21.4%	61	50-50
		EAST & WEST	574	157	27.4%	118	20.6%		
783	KULM S56	NORTH	142	65	45.8%	46	32.4%	4	92-8
		SOUTH	147	81	55.1%	69	46.9%	4	95-5
		NORTH & SOUTH	289	86	29.8%	72	24.9%		
PRINCIPAL ARTERIAL URBAN									
287	GRAND FORKS	NORTH	10075	1,168	11.6%	1091	10.8%	1158	49-51
		SOUTH	9695	1,242	12.8%	1130	11.7%	975	54-46
		NORTH & SOUTH	19770	2,378	12.0%	2202	11.1%		
501	FARGO (U)	NORTH	10120	1,596	15.8%	1409	13.9%	801	64-36
		SOUTH	11769	1,626	13.8%	1468	12.5%	919	61-39
		NORTH & SOUTH	21889	2,615	11.9%	2416	11.0%		
503	BISMARCK (U)	EAST	6493	954	14.7%	799	12.3%	713	53-47
		WEST	6253	948	15.2%	683	10.9%	766	47-53
		EAST & WEST	12746	1,902	14.9%	1462	11.5%		
513	WFARGO MAIN (U)	EAST	2972	604	20.3%	413	13.9%	204	67-33
		WEST	2810	652	23.2%	503	17.9%	346	59-41
		EAST & WEST	5782	1,218	21.1%	848	14.7%		
603	WILLISTON (U)	EAST	2972	403	13.6%	345	11.6%	324	52-48
		WEST	3087	396	12.8%	351	11.4%	315	53-47
		EAST & WEST	6059	764	12.6%	689	11.4%		
605	MANDAN (U)	EAST	8573	977	11.4%	881	10.3%	1065	45-55
		WEST	9182	1,181	12.9%	1123	12.2%	866	56-44
		EAST & WEST	17755	2,121	11.9%	1979	11.1%		
MINOR ARTERIAL-URBAN									
607	DICKINSON (U)	EAST	1328	227	17.1%	198	14.9%	129	61-39
		WEST	1381	238	17.2%	214	15.5%	101	68-32
		EAST & WEST	2709	389	14.4%	342	12.6%		
611	MINOT (U)	EAST	968	217	22.4%	140	14.5%	78	64-36
		WEST	1079	174	16.1%	143	13.3%	88	62-38
		EAST & WEST	2047	365	17.8%	257	12.6%		
COLLECTOR URBAN									
609	MINOT (U)	EAST	1196	196	16.4%	142	11.9%	135	51-49
		WEST	1153	182	15.8%	150	13.0%	145	51-49
		EAST & WEST	2349	322	13.7%	280	11.9%		

2020 COMPARISON OF VEHICLE MILES TO RURAL ROAD MILES

Vehicle Miles Traveled



Rural Road Miles



Interesting Facts:

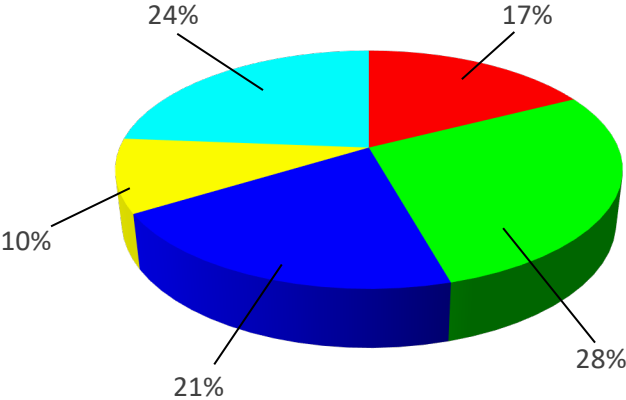
-Local roads comprise about 82% of the roads in the state but only carry about 18% of the traffic.

-Interstates comprise less than 1% of the roads but carry around 23% of the traffic.

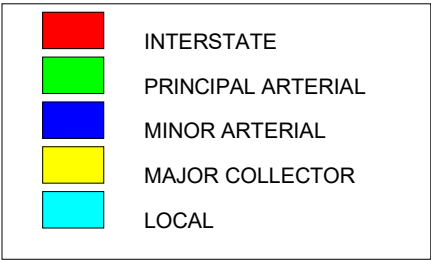
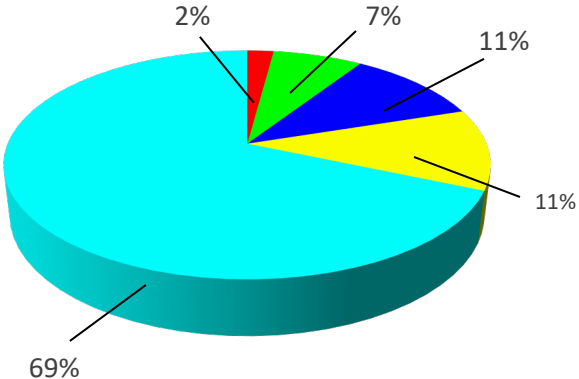
-Principal Arterials comprise less than 3% of roads but carry about 31% of the traffic.

2020 COMPARISON OF VEHICLE MILES TO URBAN ROAD MILES

Vehicle Miles Traveled



Urban Road Miles



Interesting Facts:
-Local roads comprise about 69% of the urban roads in the state but only carry about 24% of the traffic.

**NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
SUMMARY OF 2020 EXISTING MILEAGE OF NORTH DAKOTA ROADS AND STREETS
CLASSIFIED BY SYSTEMS**

SURFACES	<u>SURFACED MILEAGE</u> HARD SURFACES			<u>UNSURFACED MILEAGE</u>		<u>NHS</u> HARD SURFACES	
	SYSTEM	BITUMINOUS	CONCRETE	GRAVEL	GRADED/ DRAINED	UNIMPROVED ROADS	TOTALS
STATE							
INTERSTATE RURAL	244.0	265.7	0.0	0.0	0.0	509.7	509.7
INTERSTATE URBAN	23.0	38.2	0.0	0.0	0.0	61.2	61.2
TOTAL	267.0	303.9	0.0	0.0	0.0	570.9	570.9
PRINCIPAL ARTERIAL RURAL	2,790.6	151.8	0.0	0.0	0.0	2,942.4	2,942.4
PRINCIPAL ARTERIAL URBAN	94.8	65.8	0.0	0.0	0.0	160.6	160.6
TOTAL	2,885.4	217.6	0.0	0.0	0.0	3,103.0	3,103.0
MINOR ARTERIAL RURAL	2,508.6	16.4	0.0	0.0	0.0	2,525.0	
MINOR ARTERIAL URBAN	13.6	4.6	0.0	0.0	0.0	18.2	
TOTAL	2,522.2	21.0	0.0	0.0	0.0	2,543.2	
MAJOR COLLECTOR	1,140.7	14.1	0.0	0.0	0.0	1,154.8	
TOTAL	1,140.7	14.1	0.0	0.0	0.0	1,154.8	
LOCAL RURAL	39.3	0.0	0.5	0.0	0.0	40.7	
LOCAL URBAN	3.7	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	6,840.4	574.4	0.5	0.0	0.0	7,415.4	3,673.9
COUNTY							
	<u>PAVED</u>		<u>GRAVEL</u>	<u>GRADED/ DRAINED</u>	<u>UNIMPROVED ROADS</u>	<u>TOTALS</u>	
MAJOR COLLECTOR RURAL	4,673.3		6,053.9	0.8	3.2	10,731.2	
MAJOR COLLECTOR CITY	204.4		44.3	0.0	0.0	248.7	
TOTAL	4,877.7		6,098.2	0.8	3.2	10,979.9	
PRINCIPAL ARTERIAL RURAL	2.6		0.0	0.0	0.0	2.6	2.6
TOTAL	2.6		0.0	0.0	0.0	2.6	
MINOR ARTERIAL RURAL	0.5		0.0	0.0	0.0	0.5	
TOTAL	0.5		0.0	0.0	0.0	0.5	
LOCAL RURAL ROADS	1,150.2		50,577.5	8,259.2	23,067.8	83,054.7	
LOCAL ROADS CITY	1,230.5		889.5	43.1	74.8	2,237.9	
TOTAL	2,380.7		51,467.0	8,302.3	23,142.6	85,292.6	
TOTAL COUNTY SYSTEM	7,261.5		57,565.2	8,303.1	23,145.8	96,275.6	
URBAN							
PRINCIPAL ARTERIAL	46.6		1.0	0.0	0.0	47.6	44.9
MINOR ARTERIAL	295.3		5.7	0.5	0.0	301.5	
COLLECTOR	324.0		9.8	0.0	0.0	333.7	
LOCAL	1,708.8		257.7	17.2	20.5	2,004.2	
TOTAL URBAN SYSTEM	2,374.6		274.2	17.7	20.5	2,687.0	
TOTAL RURAL ROADS	12,997.8		56,631.9	8,260.0	23,071.0	100,960.7	
TOTAL CITY STREETS	4,053.2		1,208.0	60.8	95.3	5,417.3	
TOTAL	17,051.0		57,839.9	8,320.8	23,166.3	106,378.0	
TOTAL NHS							3,721.5

FUNCTIONAL CLASS SYSTEM

SYSTEM	RURAL	URBAN	TOTAL
INTERSTATE	509.7	61.2	570.9
PRINCIPAL	2,945.0	208.2	3,153.2
MINOR	2,525.5	319.7	2,845.2
COLLECTOR	11,886.0	582.4	12,468.4
LOCAL	83,095.4	4,244.9	87,340.3
TOTAL	100,961.6	5,416.4	106,378.0

2020 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	47,927	199,832	82,828	63,156	72,664	466,407
DEVILS LAKE		15,903	5,306	6,174	4,883	32,265
DICKINSON	15,618	29,993	27,087	14,020	30,447	117,166
FARGO/West Fargo	315,764	184,694	283,728	100,300	331,943	1,216,428
GRAND FORKS	26,985	110,684	50,652	32,295	49,955	270,570
JAMESTOWN	14,913	21,169	9,483	9,136	13,315	68,016
MANDAN	65,824	40,325	31,783	8,844	17,515	164,291
MINOT		119,174	57,948	23,020	95,491	295,633
VALLEY CITY	14,943	4,956	6,746	5,084	6,211	37,939
WAHPETON		11,786	6,932	4,166	13,358	36,242
WILLISTON		69,488	29,165	20,398	45,661	164,711
TOTAL	501,973	808,003	591,658	286,591	681,442	2,869,667

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

2020 RURAL ANNUAL VEHICLE MILES OF TRAVEL BY FUNCTIONAL CLASS

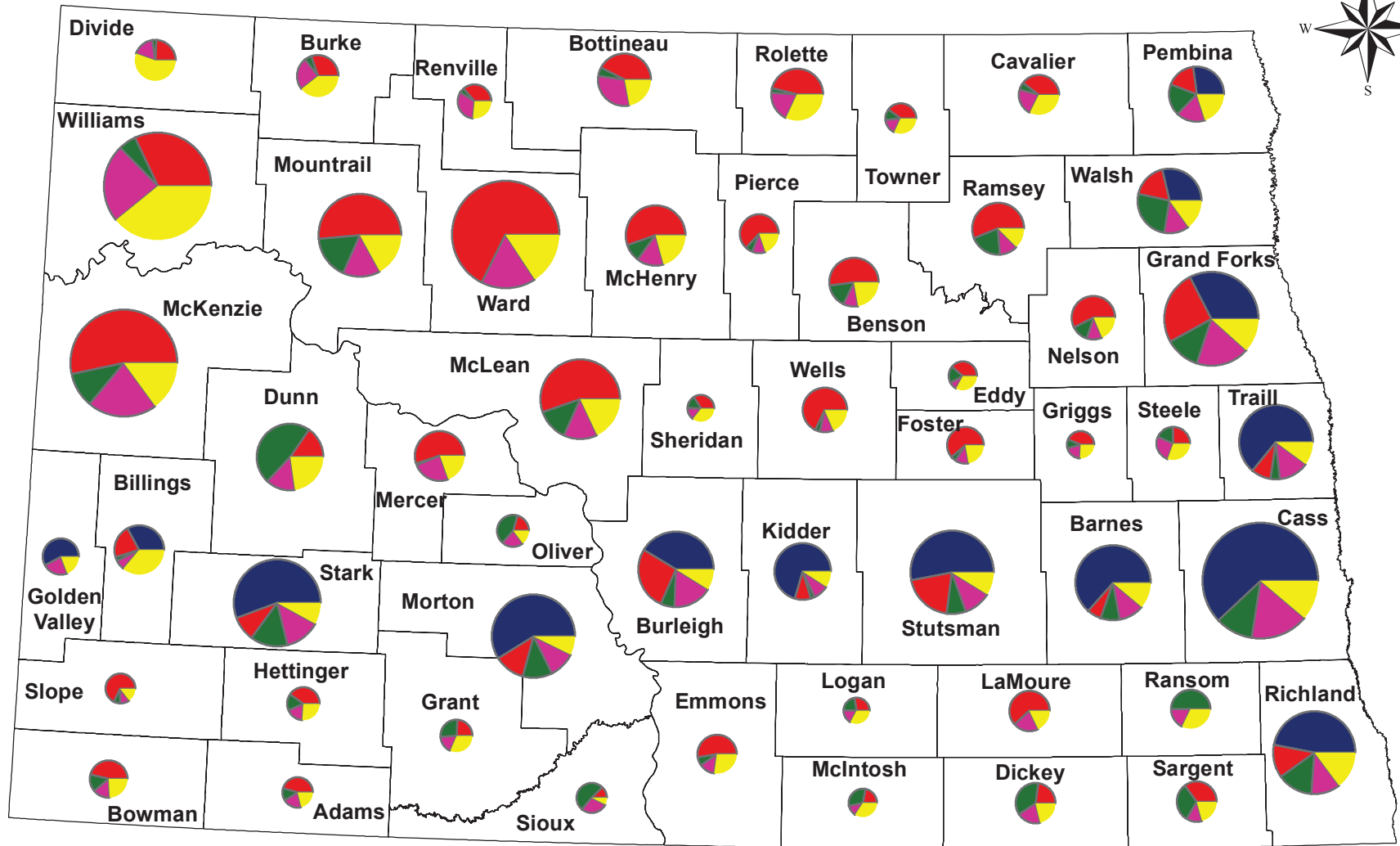
(VEHICLE MILES OF TRAVEL SHOWN IN THOUSANDS)

COUNTY	INTERSTATE	PRINCIPAL ARTERIAL	MINOR ARTERIAL	MAJOR COLLECTOR	LOCAL ROADS	TOTAL
ADAMS		13,401	3,835	5,809	6,276	29,321
BARNES	114,664	11,173	14,686	19,949	20,029	180,501
BENSON		40,019	12,205	7,625	16,987	76,836
BILLINGS	25,456	17,164	1,992	4,920	28,226	77,758
BOTTINEAU		37,245	4,680	26,588	19,484	87,997
BOWMAN		20,756	6,617	6,495	10,843	44,712
BURKE		16,745	2,966	14,026	21,874	55,610
BURLEIGH	75,250	48,798	11,024	30,444	16,316	181,833
CASS	266,414		45,009	69,491	48,127	429,041
CAVALIER		20,235	3,022	11,271	16,516	51,044
DICKEY		11,811	18,710	9,750	10,933	51,204
DIVIDE		12,881	1,842	9,126	29,765	53,615
DUNN		21,541	67,547	20,323	31,903	141,314
EDDY		10,204	4,974	2,455	8,618	26,251
EMMONS		25,508	3,493	6,274	13,330	48,605
FOSTER		26,656	1,855	5,169	9,581	43,260
GOLDEN VALLEY	24,196			9,340	8,147	41,683
GRAND FORKS	91,821	72,327	33,701	51,576	33,130	282,555
GRANT		7,896	8,741	5,747	10,262	32,645
GRIGGS		10,492	2,563	4,834	6,191	24,079
HETTINGER		13,693	5,517	5,999	8,847	34,056
KIDDER	71,906	9,422	2,451	8,990	9,237	102,006
LAMOURE		31,388	460	10,424	8,940	51,213
LOGAN		6,108	4,727	3,833	7,229	21,898
MC HENRY		63,230	10,824	16,723	23,611	114,389
MC INTOSH		5,562	8,127	3,174	8,664	25,527
MC KENZIE		193,685	38,747	75,984	54,578	362,994
MC LEAN		112,175	26,529	27,331	36,414	202,449
MERCER		43,594	832	19,186	15,517	79,130
MORTON	131,663	26,294	25,480	23,590	16,158	223,185
MOUNTRAIL		111,838	37,286	31,805	37,147	218,075
NELSON		34,168	7,572	6,779	10,935	59,453
OLIVER		6,581	13,894	7,063	4,668	32,206
PEMBINA	26,151	16,787	17,976	16,515	19,353	96,782
PIERCE		30,302	2,803	5,242	9,491	47,837
RAMSEY		48,365	17,125	9,870	10,813	86,173
RANSOM			24,128	8,626	15,755	48,509
RENVILLE		13,484	1,717	11,895	9,823	36,920
RICHLAND	102,376	28,273	30,277	24,766	31,905	217,597
ROLETTE		40,018	2,497	16,367	27,855	86,737
SARGENT		17,968	15,750	6,549	10,395	50,662
SHERIDAN		7,544	3,599	3,317	7,899	22,360
SIoux		3,741	14,920	8,347	2,122	29,130
SLOPE		19,130	1,866	3,030	4,111	28,136
STARK	134,451	22,548	33,600	31,998	19,103	241,699
STEELE		8,940	6,222	9,226	10,659	35,047
STUTSMAN	118,054	43,845	16,813	23,807	19,661	222,180
TOWNER		11,849	3,552	4,769	9,561	29,732
TRAILL	112,052	14,856	7,296	22,850	17,738	174,792
WALSH	37,939	23,498	34,366	16,624	19,744	132,170
WARD		247,435	536	60,267	57,978	366,216
WELLS		43,141	2,250	6,371	11,814	63,576
WILLIAMS		117,669	19,634	87,058	144,072	368,432
TOTAL	1,332,394	1,841,983	688,834	939,588	1,068,336	5,871,135

2020 ANNUAL VEHICLE MILES OF TRAVEL BY COUNTY
(VEHICLE MILES OF TRAVEL SHOWN IN THOUSANDS)

COUNTY	RURAL	URBAN	COUNTY TOTAL	PERCENT OF STATE TRAVEL
ADAMS	29,321		29,321	0.34%
BARNES	180,501	37,939	218,440	2.50%
BENSON	76,836		76,836	0.88%
BILLINGS	77,758		77,758	0.89%
BOTTINEAU	87,997		87,997	1.01%
BOWMAN	44,712		44,712	0.51%
BURKE	55,610		55,610	0.64%
BURLEIGH	181,833	466,407	648,240	7.42%
CASS	429,041	1,216,428	1,645,469	18.83%
CAVALIER	51,044		51,044	0.58%
DICKEY	51,204		51,204	0.59%
DIVIDE	53,615		53,615	0.61%
DUNN	141,314		141,314	1.62%
EDDY	26,251		26,251	0.30%
EMMONS	48,605		48,605	0.56%
FOSTER	43,260		43,260	0.49%
GOLDEN VALLEY	41,683		41,683	0.48%
GRAND FORKS	282,555	270,570	553,125	6.33%
GRANT	32,645		32,645	0.37%
GRIGGS	24,079		24,079	0.28%
HETTINGER	34,056		34,056	0.39%
KIDDER	102,006		102,006	1.17%
LAMOURE	51,213		51,213	0.59%
LOGAN	21,898		21,898	0.25%
MC HENRY	114,389		114,389	1.31%
MC INTOSH	25,527		25,527	0.29%
MC KENZIE	362,994		362,994	4.15%
MC LEAN	202,449		202,449	2.32%
MERCER	79,130		79,130	0.91%
MORTON	223,185	164,291	387,476	4.43%
MOUNTRAIL	218,075		218,075	2.49%
NELSON	59,453		59,453	0.68%
OLIVER	32,206		32,206	0.37%
PEMBINA	96,782		96,782	1.11%
PIERCE	47,837		47,837	0.55%
RAMSEY	86,173	32,265	118,438	1.36%
RANSOM	48,509		48,509	0.55%
RENVILLE	36,920		36,920	0.42%
RICHLAND	217,597	36,242	253,839	2.90%
ROLETTE	86,737		86,737	0.99%
SARGENT	50,662		50,662	0.58%
SHERIDAN	22,360		22,360	0.26%
SIOUX	29,130		29,130	0.33%
SLOPE	28,136		28,136	0.32%
STARK	241,699	117,166	358,865	4.11%
STEELE	35,047		35,047	0.40%
STUTSMAN	222,180	68,016	290,196	3.32%
TOWNER	29,732		29,732	0.34%
TRAILL	174,792		174,792	2.00%
WALSH	132,170		132,170	1.51%
WARD	366,216	295,633	661,849	7.57%
WELLS	63,576		63,576	0.73%
WILLIAMS	368,432	164,711	533,143	6.10%
TOTAL	5,871,135	2,869,667	8,740,802	100.00%

2020 RURAL ANNUAL VEHICLE MILES OF TRAVEL BY FUNCTIONAL CLASSIFICATION



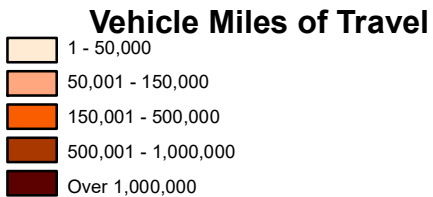
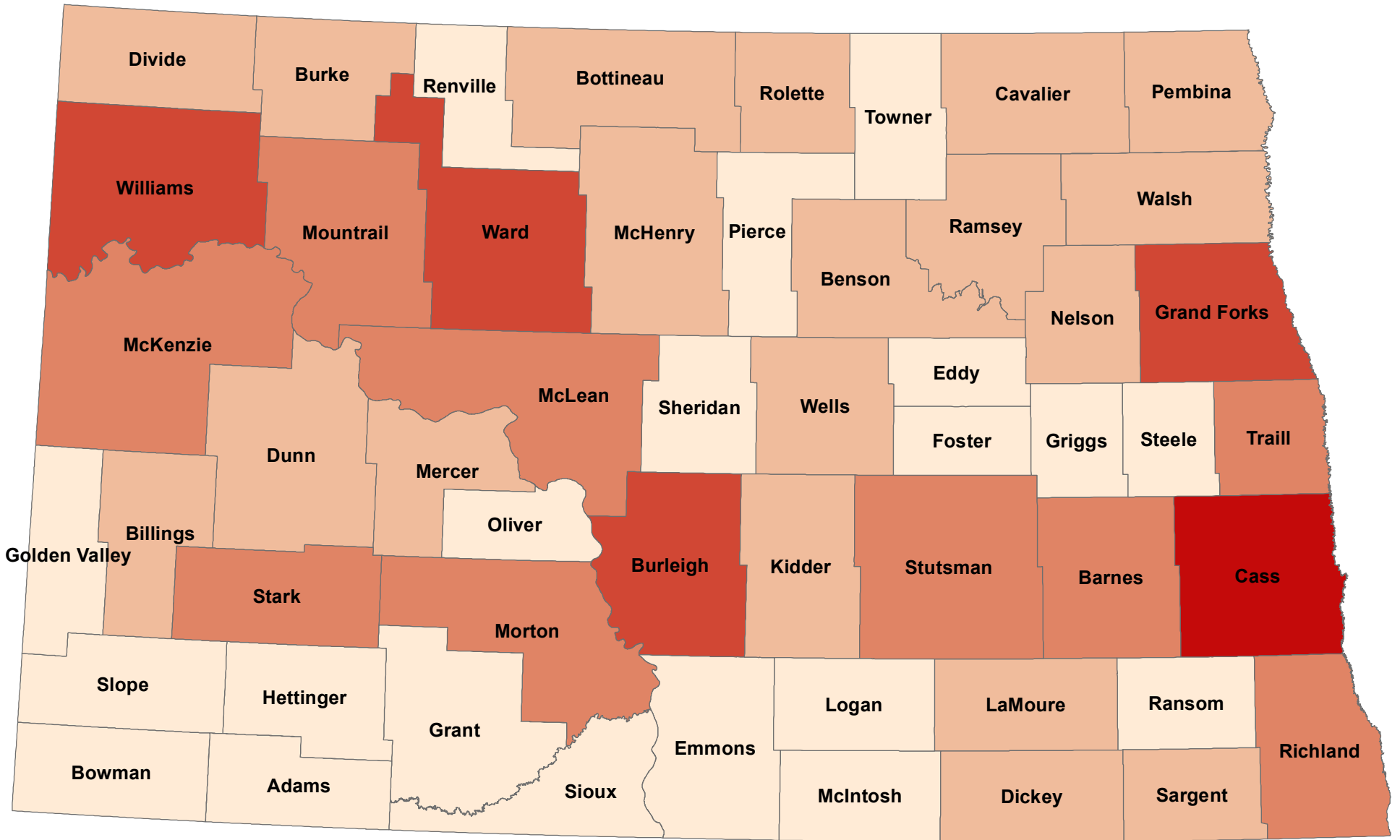
FUNCTIONAL CLASSES

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

NOTES: - Data from page 47 of this report.
 - The size of each individual pie chart is representative of the total VMT in that county.

Planning & Asset Management Division
 Traffic Data Section

2020 TOTAL ANNUAL VEHICLE MILES OF TRAVEL



NOTES: - Data from page 48 of this report.
 - Vehicle miles of travel shown in thousands.

Planning & Asset Management Division
Traffic Data Section

Statewide VMT

All State Highways

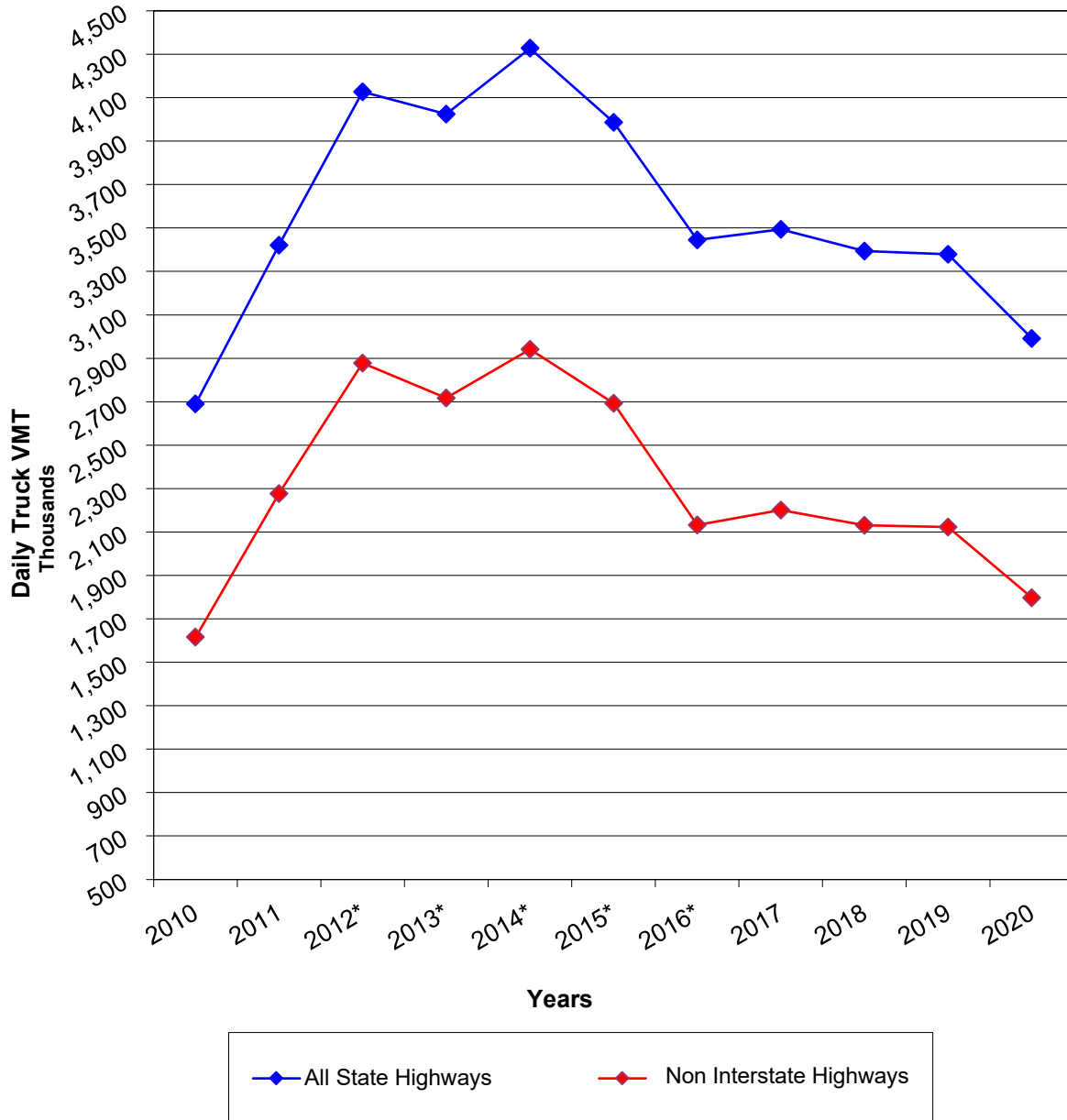
Years	Annual Daily VMT	Annual VMT	Annual Daily Truck VMT	Annual Truck VMT	% Total Trucks	% Combination Trucks
2003	12,584,059	4,593,181,535	2,132,255	778,273,075	16.94%	12.94%
2004	12,834,849	4,684,719,885	2,139,703	780,991,595	16.67%	12.67%
2005	12,843,726	4,687,959,947	2,109,678	770,032,420	16.43%	12.43%
2006	12,864,635	4,695,591,775	2,081,109	759,604,785	16.18%	12.18%
2007	13,143,830	4,797,497,950	2,121,611	774,388,015	16.14%	12.14%
2008	13,070,318	4,770,666,070	2,216,080	808,869,200	16.96%	12.96%
2009	13,924,765	5,082,539,225	2,397,242	874,993,330	17.22%	13.22%
2010	14,820,481	5,409,475,565	2,690,766	982,129,590	18.16%	14.16%
2011	16,243,388	5,928,836,620	3,420,858	1,248,613,170	21.06%	17.06%
2012*	18,188,950	6,638,966,750	4,126,648	1,506,226,520	22.69%	18.69%
2013*	17,989,497	6,566,166,405	4,024,038	1,468,773,870	22.37%	18.37%
2014*	18,522,863	6,760,844,995	4,327,820	1,579,654,300	23.36%	19.36%
2015*	17,532,226	6,399,262,490	3,986,324	1,455,008,260	22.74%	18.74%
2016*	16,825,387	6,141,266,255	3,444,562	1,257,265,130	20.47%	16.47%
2017	16,621,979	6,067,022,335	3,493,544	1,275,143,560	21.02%	17.02%
2018	17,109,024	6,244,793,760	3,393,625	1,238,673,125	19.84%	15.84%
2019	17,038,483	6,219,046,295	3,379,279	1,233,436,835	19.33%	15.83%
2020	14,313,898	5,224,572,617	2,991,744	1,091,986,560	20.90%	16.90%

Non-Interstate Highways

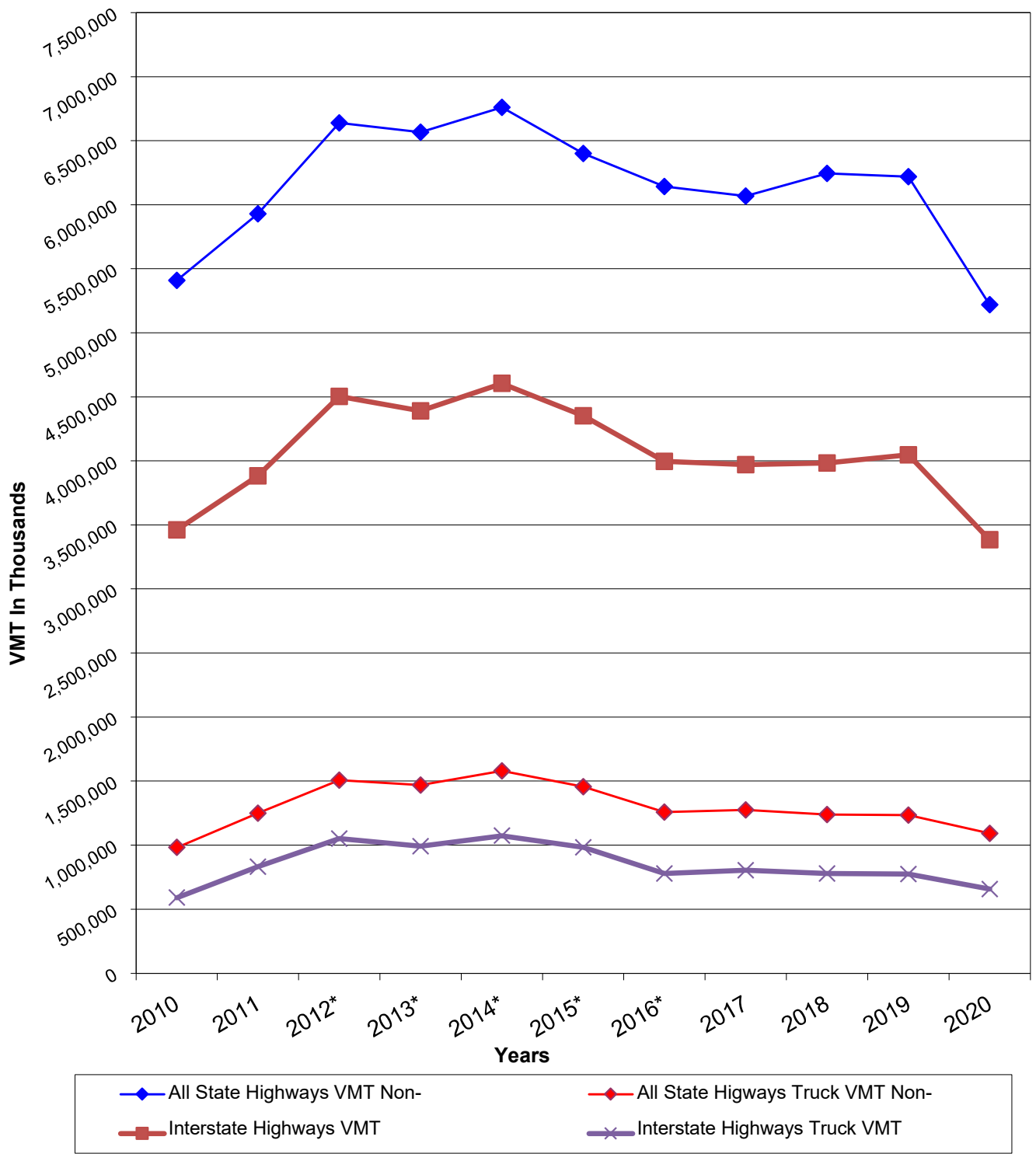
Years	Annual Daily VMT	Annual VMT	Annual Daily Truck VMT	Annual Truck VMT	% Total Trucks	% Combination Trucks
2003	8,063,953	2,943,342,845	1,210,348	441,777,020	15.01%	12.01%
2004	8,106,756	2,958,965,940	1,181,721	431,328,165	14.58%	11.58%
2005	8,161,190	2,978,834,350	1,154,376	421,347,240	14.14%	11.14%
2006	8,177,826	2,984,906,490	1,100,032	401,511,680	13.45%	10.45%
2007	8,131,192	2,967,885,080	1,108,160	404,478,400	13.63%	10.63%
2008	8,242,828	3,008,632,220	1,213,812	443,041,380	14.73%	11.73%
2009	8,831,321	3,223,432,165	1,398,467	510,440,455	15.84%	12.84%
2010	9,480,532	3,460,394,180	1,616,106	589,878,690	17.05%	14.05%
2011	10,638,070	3,882,895,550	2,276,547	830,939,655	21.40%	18.40%
2012*	12,340,661	4,504,341,265	2,877,575	1,050,314,875	23.32%	20.32%
2013*	12,030,216	4,391,028,840	2,717,769	991,985,685	22.59%	19.59%
2014*	12,615,780	4,604,759,700	2,941,677	1,073,712,105	23.32%	20.32%
2015*	11,922,369	4,351,664,685	2,693,501	983,127,865	22.59%	19.59%
2016*	10,948,786	3,996,306,890	2,131,866	778,131,090	19.47%	16.47%
2017	10,878,158	3,970,527,670	2,200,746	803,272,290	20.23%	17.23%
2018	10,912,447	3,983,043,155	2,130,594	777,666,810	19.52%	15.52%
2019	11,090,717	4,048,111,705	2,122,462	774,698,630	17.83%	14.82%
2020	9,633,504	3,516,228,936	1,797,530	656,098,450	18.66%	15.66%

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

Annual Daily Truck VMT for Statewide



Annual VMT for Statewide



VMT for Interstate

I-94

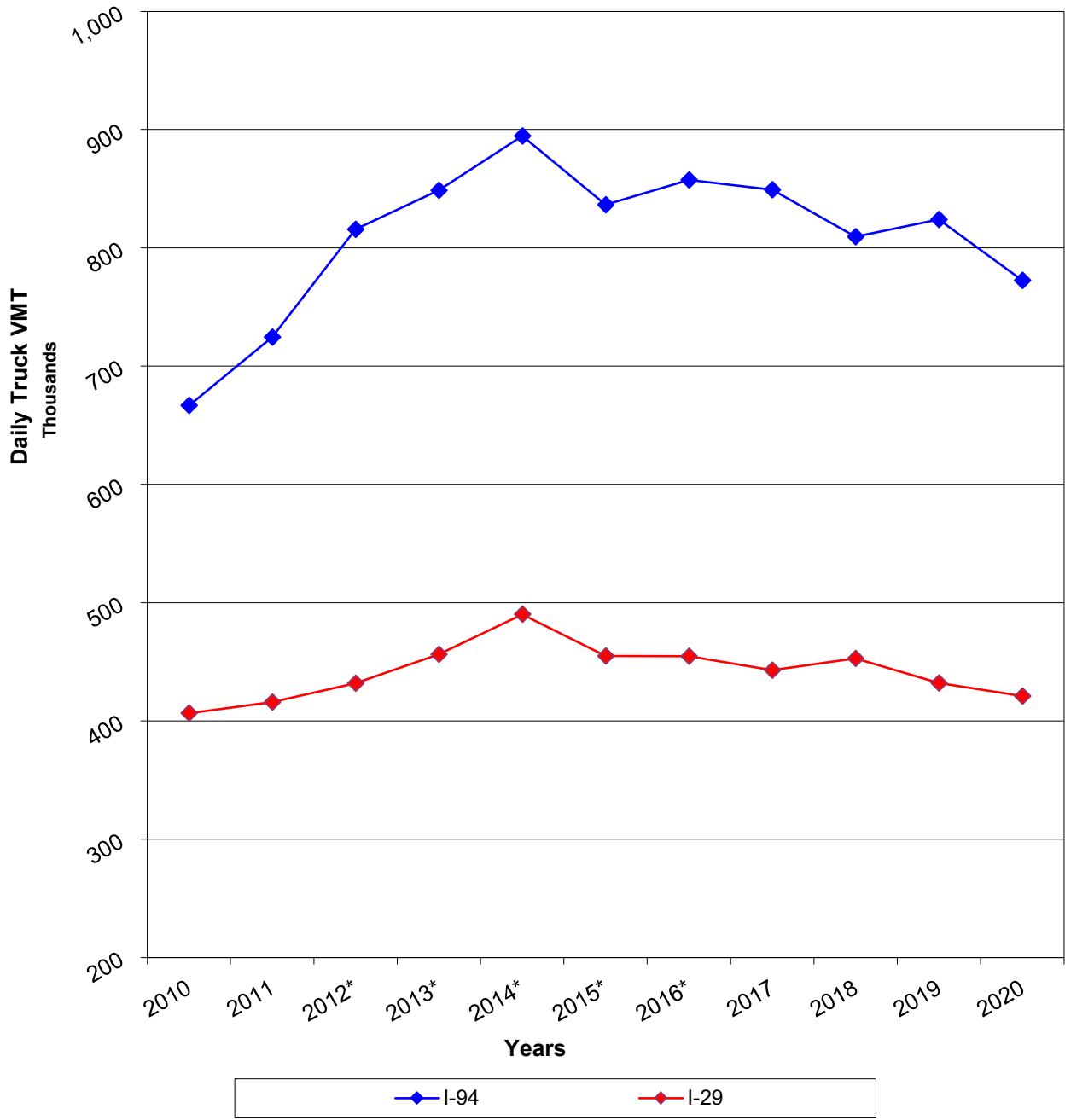
Years	Annual Daily VMT	Annual VMT	Annual Daily Truck VMT	Annual Truck VMT	% Total Trucks	% Combination Trucks
2003	2,692,975	982,935,875	536,105	195,678,325	19.91%	15.91%
2004	2,860,897	1,044,227,405	563,806	205,789,190	19.71%	15.71%
2005	2,821,424	1,029,819,585	563,819	205,794,052	19.98%	15.98%
2006	2,798,960	1,021,620,400	589,420	215,138,300	21.06%	17.06%
2007	3,017,981	1,101,563,065	618,409	225,719,285	20.49%	16.49%
2008	2,850,232	1,040,334,680	608,886	222,243,390	21.36%	17.36%
2009	3,023,712	1,103,654,880	605,289	220,930,485	20.02%	16.02%
2010	3,234,497	1,180,591,405	666,693	243,342,945	20.61%	16.61%
2011	3,521,263	1,285,260,995	724,509	264,445,785	20.58%	16.58%
2012*	3,728,704	1,360,976,960	815,711	297,734,515	21.88%	17.88%
2013*	3,775,958	1,378,224,670	848,650	309,757,250	22.48%	18.48%
2014*	3,733,346	1,362,671,290	894,609	326,532,285	23.96%	19.96%
2015*	3,539,973	1,292,090,145	836,489	305,318,485	23.63%	19.63%
2016*	3,751,447	1,369,278,155	857,303	312,915,595	22.85%	18.85%
2017	3,651,977	1,332,971,605	849,192	309,955,080	23.25%	19.25%
2018	3,842,369	1,402,464,685	809,431	295,442,315	21.07%	17.07%
2019	3,729,866	1,361,401,481	823,981	300,753,279	22.09%	18.09%
2020	3,158,200	1,152,743,160	772,404	281,927,793	24.46%	20.46%

I-29

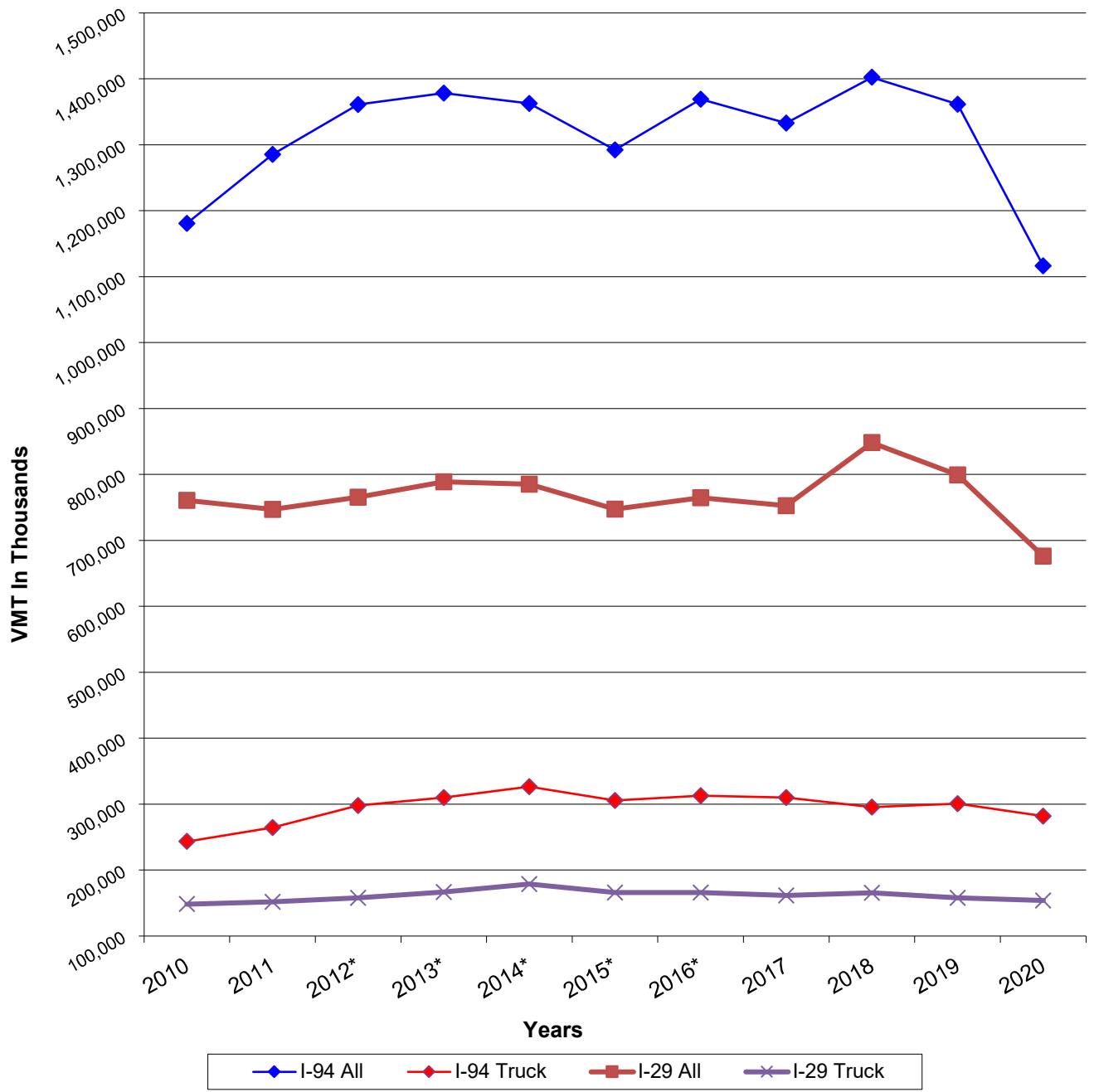
Years	Annual Daily VMT	Annual VMT	Annual Daily Truck VMT	Annual Truck VMT	% Total Trucks	% Combination Trucks
2003	1,827,132	666,903,180	385,802	140,817,730	21.12%	18.12%
2004	1,867,196	681,526,540	394,176	143,874,240	21.11%	18.11%
2005	1,861,112	679,305,752	391,483	142,891,441	21.03%	18.03%
2006	1,887,849	689,064,885	391,657	142,954,805	20.75%	17.75%
2007	1,972,376	719,917,240	394,295	143,917,675	19.99%	16.99%
2008	1,954,977	713,566,605	392,635	143,311,775	20.08%	17.08%
2009	2,048,101	747,556,865	392,097	143,115,405	19.14%	16.14%
2010	2,083,822	760,595,030	406,578	148,400,970	19.51%	16.51%
2011	2,045,921	746,761,165	416,022	151,848,030	20.33%	17.33%
2012*	2,097,149	765,459,385	431,953	157,662,845	20.60%	17.60%
2013*	2,160,887	788,723,755	456,210	166,516,650	21.11%	18.11%
2014*	2,151,301	785,224,865	490,125	178,895,625	22.78%	19.78%
2015*	2,047,448	747,318,520	454,925	166,047,625	22.22%	19.22%
2016*	2,094,994	764,672,810	454,622	165,937,030	21.70%	18.70%
2017	2,061,684	752,514,660	442,835	161,634,775	21.48%	18.48%
2018	2,324,048	848,277,520	452,829	165,282,585	19.48%	16.48%
2019	2,190,201	799,423,714	432,060	157,702,205	19.72%	16.72%
2020	1,843,874	673,013,999	421,035	153,678,023	22.83%	19.83%

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

Annual Daily Truck VMT for Interstate



Annual VMT for Interstate

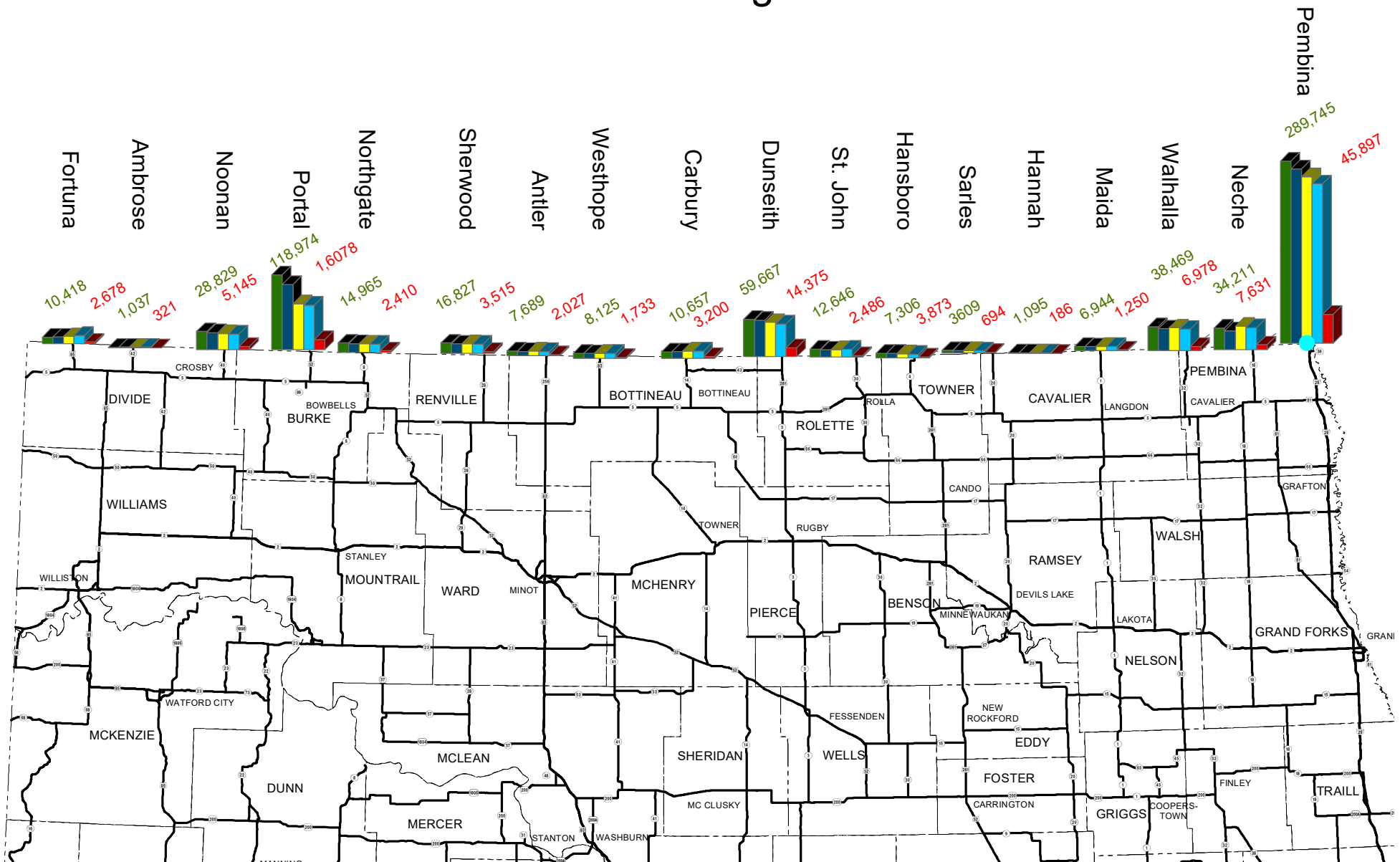


BORDER CROSSINGS
(VEHICLES ENTERING THE UNITED STATES FROM CANADA)

PORT OF ENTRY	HWY	----- AUTOMOBILES -----			----- TRUCKS -----		
		FISCAL 2019	FISCAL 2020	% CHANGE	FISCAL 2019	FISCAL 2020	% CHANGE
FORTUNA	85	13,081	2,678	-79.53%	4,585	2,331	-49.16%
AMBROSE	42	1,162	321	-72.38%	79	6	-92.41%
NOONAN	40	25,165	5,145	-79.55%	3,154	2,740	-13.13%
PORTAL	52	71,219	16,078	-77.42%	83,331	60,850	-26.98%
NORTHGATE	8	12,776	2,410	-81.14%	10,681	6,193	-42.02%
SHERWOOD	28	15,018	3,515	-76.59%	5,876	4,065	-30.82%
ANTLER	256	6,917	2,027	-70.70%	2,104	1,191	-43.39%
WESTHOPE	83	8,314	1,733	-79.16%	8,523	3,385	-60.28%
CARBURY	14	11,892	3,200	-73.09%	2,027	859	-57.62%
DUNSEITH	281	52,379	14,375	-72.56%	25,265	20,121	-20.36%
ST. JOHN	30	12,459	2,486	-80.05%	1,190	293	-75.38%
HANSBORO	4	5,607	1,340	-76.10%	178	223	25.28%
SARLES	20	3,167	694	-78.09%	665	322	-51.58%
HANNAH	CMC 1013	936	186	-80.13%	109	58	-46.79%
MAIDA	1	6,739	1,250	-81.45%	1,204	412	-65.78%
WALHALLA	32	34,323	6,978	-79.67%	9,021	5,444	-39.65%
NECHE	18	35,124	7,631	-78.27%	8,389	4,607	-45.08%
PEMBINA	I-29	253,683	45,897	-81.91%	221,074	160,735	-27.29%
TOTAL		569,961	117,944	-79.31%	387,455	273,835	-29.32%

Fiscal year run's October 1st through September 30th

Total Auto Volume Entering from Canada



Bar Chart Years

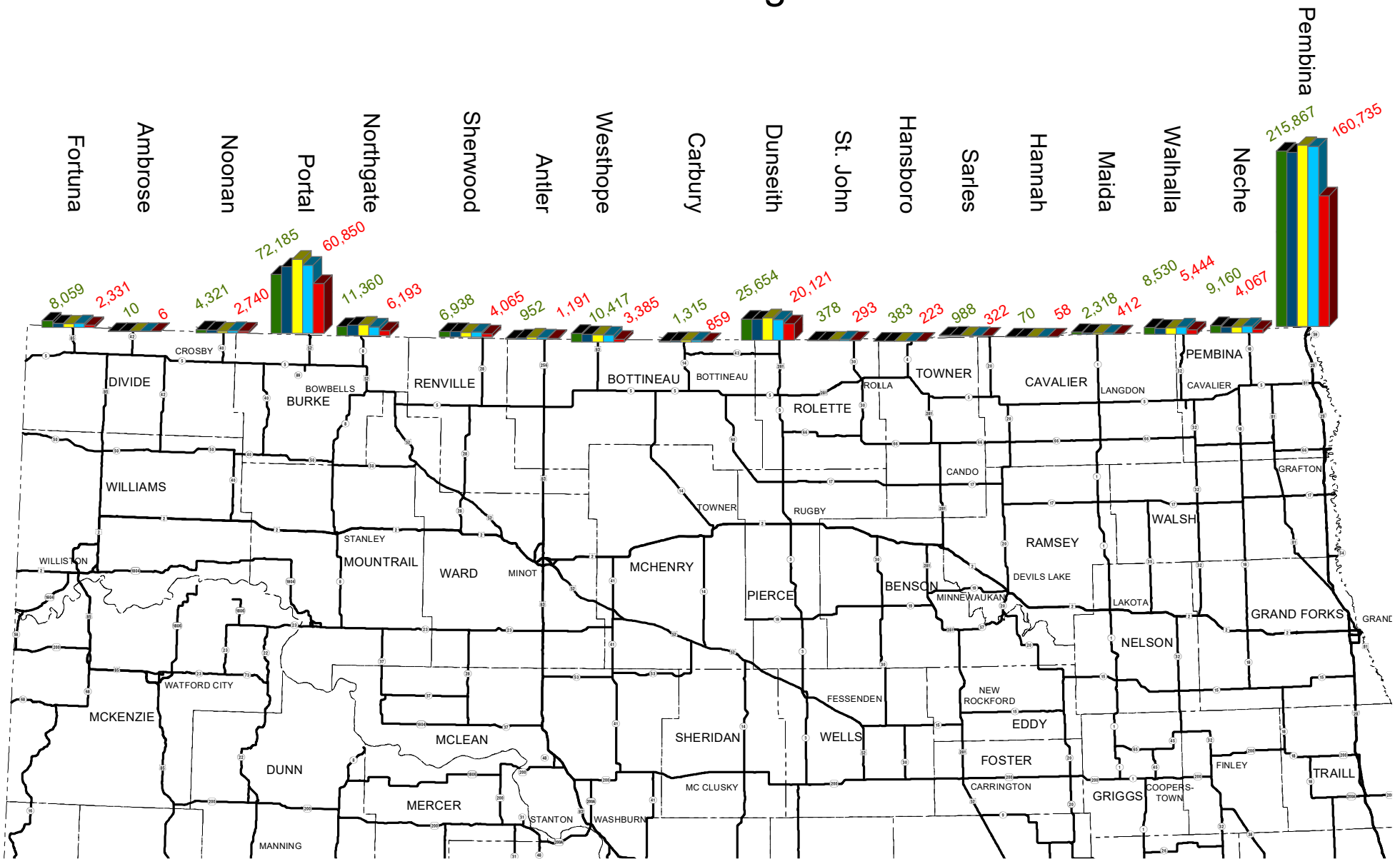


NOTE - The size of the bar chart corresponds to total autos by border crossing.
 - The numbers given above the charts are for the years 2016 (green) and 2020 (red).
 - This border crossing data is provided by the U.S. Department of Homeland Security.
 - The reporting period was for the 2019 fiscal year which ran from Oct. 1, 2019 to Sept. 30, 2020.



Planning & Asset Management Division
 Traffic Data Section
 2020

Total Truck Volume Entering from Canada



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 2016 (green) and 2020 (red).
 - This border crossing data is provided by the U.S. Department of Homeland Security.
 - The reporting period was for the 2019 fiscal year which ran from Oct. 1, 2019 to Sept. 30, 2020.



Planning & Asset Management Division
 Traffic Data Section
 2020