### **INDIANA DEPARTMENT OF TRANSPORTATION**



Driving Indiana's Economic Growth

### **Latest INDOT Traffic Adjustment Factors**

Effective April 15, 2013

The Indiana Department of Transportation (INDOT), through its Traffic Monitoring Section, collects, summarizes and interprets information on the traffic traveling on the state's highway system. The data is used to assess transportation needs, system performance and to develop highway planning and programming recommendations. Traffic data also plays a very important role in route planning and in the design of highway projects.

To collect this information, the Department operates two traffic monitoring systems: Annual average daily traffic is the total volume for the year divided by 365 days. Only 106 of INDOT's 8000 Traffic Sections are equipped with Continuous Traffic counters. The remaining sections are counted as part of the short term or "Coverage Count" program. The Coverage Count Program consists of 30,000 count locations, one-third of which are counted annually. A minimum of 48 hours of count data is collected at each count location and, the 48 hour counts are then averaged to 24 before utilizing factors developed from Continuous Traffic Counters, an estimated AADT is developed. AADT is necessary for presenting a statewide picture of traffic flow, evaluating traffic trends, computing accident rates, planning and designing highways, and other purposes.

- 1. A Statewide Traffic Monitoring System consisting of 106 permanent continuous count stations that collect volume, speed and vehicle classification data 24 hours per day, 365 days per year. Some of these sites also utilize weigh-in motion (WIM) technology to collect continuous truck weight data. These sites are located throughout the state to monitor overall traffic trends. Information from these counters is used to determine ANNUAL TRAFFIC GROWTH trends as well as develop AXLE, WEEKDAY and SEASONAL adjustment factors used with the state's coverage count program to determine estimates of annual average daily traffic (AADT).
- 2. The statewide coverage count program utilizes portable pneumatic road-tubes traffic counters to collect 48 hour traffic counts on all State Highway System traffic sections and in rural and small urban areas and all highway performance monitoring sections (HPMS). The coverage count program operates on a three-year cycle, counting one-third of all sections annually, or approximately 10,000 of the 30,000 count sites. Where possible, portable classifiers are used so that approximately 65% of all coverage counts collected are classification counts. Additional counts are taken within this program to support specific state projects. INDOT is transitioning the coverage count data collection from a central office operation to the 6 INDOT districts. In addition INDOT also contracts with four Metropolitan Planning Organizations (MPOs) and one Regional Planning Organization (RPO) to collect coverage count data within their areas. We are expanding the number of MPO and RPO counting partners in the future.

### **ADJUSTMENT FACTORS**

Adjustment factors are necessary to convert an Average Daily Traffic (ADT) volume into an Annual Average Daily Traffic (AADT) estimate. Depending on the type of counter, the seasonal period of the setting, multiple factors may be necessary. These include axle, weekday and seasonal adjustment factors. For the 2/3's of the system not counted in the current year, the previously derived AADTs can be adjusted to the current year by utilizing the annual growth factors.

#### **AXLE ADJUSTMENT FACTORS**

There are times when portable classifiers cannot be set due to number of lanes or the lack of free-flow speeds. In these cases, portable traffic counters utilizing single pneumatic road-tubes stretched across a lane or roadway are used. These types of counters register two axle impacts as one vehicle so when vehicles with three or more axles cross the road-tube they will be counted as multiple vehicles. Whenever possible axle adjustment factors should be developed from vehicle classification counters set on the same route within the vicinity of the axle counter and during the same relative time period. If this is not possible then the use of these factors applied by functional classification and volume groups are deemed acceptable.

#### WEEKDAY ADJUSTMENT FACTORS

The purpose of these factors is to normalize the variability of traffic counts that exists between counts taken during the weekday, Friday, Saturdays and/or Sundays. In developing the weekday factors we found no significant statistical difference in the Monday through Thursday trends and for this reason combine these into a weekday factor. This is further justified as counts taken for INDOT will usually span a Monday through Wednesday or a Tuesday through Thursday count period.

### SEASONAL (MONTHLY) ADJUSTMENT FACTORS

Seasonal or monthly adjustment factors convert average daily traffic (ADT) to annual average daily traffic (AADT). Observed traffic volumes at a location often vary from month to month with higher summer traffic volumes and lower winter traffic volumes. To compare traffic volume data collected in different months, seasonal adjustment factors must be applied. The ADT is multiplied by the seasonal factor to obtain the AADT value. The continuous counter sites are grouped into five major factor groups (FG). Currently there are two urban factor groups and three rural factor groups which are based on grouped functional classifications.

#### ANNUAL GROWTH FACTORS

As not all road sections are counted each year, there are times when previous years AADTs will need to be factored in order to estimate current year values. Annual Growth Factors are used in these situations and are developed by comparisons of previous years AADTs at INDOT's 106 continuous counting telemetry sites and averaged for the five factor groups (FG).

#### **FACTOR APPLICATION**

The new factors published herein were developed from data collected during the 2012 calendar year and will be applied to all counts processed into the INDOT Traffic Count Database beginning on April 15, 2013. These factors will continue to be applied as the current factors until new factors are developed from all of the counts collected during the 2013 calendar year.

The INDOT practice is to apply the most current factors available at the time of processing of data. For the sake of consistency in reporting, no attempt is made to go back and reprocess and republish data after new factors are developed. For this reason, it is not unusual to see a count collected in one calendar year with factors applied that from a different calendar year.

Contact Information:
Autumn Young, MS
Traffic Statistics Supervisor
Indiana Department of Transportation
100 N. Senate Avenue
Indianapolis, IN 46204
Fax: (317) 232-5478
ayoung@indot.in.gov

## SEASONAL ADJUSTMENT FACTORS BY FUNCTIONAL CLASSIFICATION 2008-2012\*

Jrban - Inte	state (11	), Freewa	ays and E	xpressw	ays (12)							
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2012	1.155	1.080	1.014	1.002	0.977	0.957	0.972	0.950	1.006	0.985	1.012	1.08
2011	1.158	1.080	1.001	0.988	0.970	0.940	0.923	0.927	0.975	0.978	1.030	1.05
2010	1.161	1.128	1.012	0.975	0.971	0.940	0.944	0.934	0.972	0.961	0.993	1.07
2009	1.193	1.075	1.013	1.003	0.981	0.945	0.943	0.938	0.966	0.973	0.986	1.04
2008	1.092	1.071	1.006	0.980	0.971	0.964	0.960	0.934	1.001	0.988	1.036	1.05
YR AVG	1.152	1.087	1.009	0.990	0.974	0.949	0.949	0.937	0.984	0.977	1.011	1.06
Irban - Prin	cipal Arte	erials (14	), Minor A	Arterials	(16), Colle	ectors (17	), Locals	(19)				
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2012	1.076	1.012	0.989	0.982	0.971	0.961	0.989	0.981	0.987	0.980	1.020	1.07
2011	1.104	1.031	0.999	1.002	0.980	0.962	0.976	0.956	0.991	0.979	1.020	1.02
2010	1.142	1.087	1.027	0.971	0.957	0.952	0.963	0.939	0.976	0.985	1.034	1.0
2009	1.137	1.014	1.000	0.978	0.953	0.954	0.971	0.961	1.009	1.010	1.016	1.0
2008	1.056	1.023	1.008	0.957	1.018	1.020	1.039	0.972	0.959	0.955	1.007	1.0
YR AVG	1.103	1.033	1.005	0.978	0.976	0.970	0.988	0.962	0.984	0.982	1.019	1.0
ural - Inter	state (01)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2012	1.212	1.142	1.037	1.008	0.936	0.897	0.892	0.916	1.012	0.983	1.004	1.1
2011	1.262	1.143	1.045	1.020	0.967	0.905	0.864	0.892	0.987	0.981	0.997	1.0
2010	1.288	1.225	1.053	0.997	0.953	0.887	0.858	0.881	0.957	0.962	0.974	1.1
2009	1.254	1.132	1.037	1.007	0.968	0.900	0.870	0.904	0.968	0.987	0.997	1.0
2008	1.179	1.157	1.025	1.015	0.960	0.910	0.883	0.889	0.999	0.982	1.005	1.1
YR AVG	1.239	1.160	1.039	1.009	0.957	0.900	0.873	0.897	0.985	0.979	0.995	1.1
ural - Princ	ipal Arte	rials (02)	, Minor A	rterials (	06)							
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2012	1.153	1.070	1.023	0.985	0.949	0.928	0.940	0.943	0.975	0.989	1.018	1.1
2011	1.153	1.071	1.032	1.008	0.977	0.939	0.958	0.940	0.948	0.947	1.011	1.0
2010	1.180	1.142	1.031	0.977	0.960	0.926	0.938	0.925	0.934	0.959	1.008	1.1
2009	1.205	1.081	1.025	1.002	0.961	0.936	0.940	0.939	0.948	0.981	1.002	1.0
2008	1.160	1.084	1.029	0.966	0.950	0.938	0.932	0.941	0.996	0.989	1.041	1.1
YR AVG	1.170	1.090	1.028	0.988	0.959	0.934	0.942	0.938	0.960	0.973	1.016	1.1
ıral - Majo				llectors (	(08), Loca	Is (09)						
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2012	1.166	1.088	1.028	0.983	0.930	0.931	0.954	0.931	0.960	0.973	1.020	1.1
2012	1.174	1.085	1.043	0.997	0.966	0.918	0.937	0.954	0.993	0.959	1.033	1.0
2010	1.174	1.147	1.043	0.959	0.947	0.918	0.939	0.934	0.932	0.953	1.027	1.1
2010	1.193	1.099	1.037	0.994	0.936	0.910	0.936	0.951	0.962	0.980	1.017	1.0
7009	1.207	1.099	1.009	0.554	0.550	0.010	0.000	0.951	0.302	0.500	1.017	1.0

<sup>\*</sup>The seasonal adjustment factors are used to expand average 24-hour volumes to estimated Annual Average Daily Traffic (AADT).

0.956

0.947

0.923

0.920

0.957

0.945

0.957

0.945

0.979

0.965

0.976

0.968

Source: Indiana Department of Transportation
Division of Long Range Planning, Traffic Modeling and Counting

1.093

1.103

1.040

1.038

0.977

0.982

2008

5 YR AVG

1.083

1.165

1.038

1.027

1.133

1.115

# WEEKDAY FACTORS BY FUNTIONSL CLASSIFICATION 2012\*

Urban - Inte	retate (11)	Freev	vave ar	nd Exp	resswa	vs (12							
Orban - mic	istate (11)	, 11001	vayo ai	IG EXP	10001110	.,0 (.2							
	Average	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Weekdays	0.963	0.934	0.952	0.988	0.955	0.965	0.964	0.974	0.966	0.964	0.963	0.952	0.980
Friday	0.865	0.884	0.865	0.868	0.870	0.842	0.866	0.867	0.859	0.857	0.862	0.906	0.833
Saturday	1.142		10.00										
Sunday	1.285	1.397	1.326	1.236	1.283	1.298	1.260	1.217	1.257	1.292	1.281	1.257	1.318

Urban - Prin	cipal Arte	rials (1	4), Min	or Arte	rials (1	(6), Co	llectors	s (17), I	Locals	(19)			
	Average	Jan	Feb	Mar	Apr	May	Jun		Aug	Sep	Oct	Nov	Dec
Weekdays	0.955	0.943											
Friday	0.870	0.866	0.867	0.899	0.880	0.858	0.877	0.867	0.864	0.862	0.876	0.886	0.842
Saturday	1.095	1.115	1.123	1.031	1.126	1.080	1.096	1.102	1.105	1.085	1.092	1.116	1.066
Sunday	1.389	1.465	1.455	1.305	1.418	1.347	1.369	1.362	1.377	1.392	1.419	1.404	1.350

Rural - Inter	state (01)												
	Average	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Weekdays	1.017			1.018									
Friday	0.842	0.876	0.835	0.838	0.841	0.815	0.837	0.843	0.831	0.837	0.814	0.910	0.831
Saturday	1.084	1.162	1.131	1.060	1.151	1.082	1.076	1.051	1.065	1.063	1.077	1.075	1.015
Sunday	1.079	1.196	1.188	1.100	1.069	1.088	1.034	0.976	1.017	1.084	1.040	1.018	1.132

Rural - Prince	ipal Arter	ials (02	2), Mino	or Artei	rials (0	6)							
	Average	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Weekdays	0.979	0.938	0.952	0.978	0.965	1.004	0.988	0.993	1.000	0.995	0.982	0.970	0.983
Friday	0.858	0.859	0.852	0.884	0.866	0.849	0.869	0.855	0.844	0.855	0.850	0.875	0.840
Saturday	1.071	1.171	1.126	1.054	1.116	1.025	1.046	1.069	1.033	1.021	1.054	1.083	1.055
Sunday	1.283	1.443	1.395	1.277	1.302	1.215	1.220	1.192	1.214	1.252	1.302	1.275	1.308

Rural - Majo	r Collecto	rs (07)	, Minor	Collec	tors (0	8), Loc	als (09	))					
-	Average		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Weekdays	0.961	0.934											
Friday	0.882			0.901									
Saturday	1.083	1.160	1.146	1.028	1.118	1.028	1.054	1.084	1.065	1.070	1.065	1.101	1.077
Sunday	1.333	1.417	1.421	1.319	1.302	1.256	1.289	1.312	1.307	1.336	1.365	1.356	1.318

\*Weekday factors are used to normalize the variability of traffic counts that exists between counts taken on the Weekdays, Friday, Saturday and/or Sunday.

Source: Indiana Department of Transportation
Division of Long Range Planning, Traffic Modeling and Counting

## AXLE ADJUSTMENT FACTORS BY FUNCTIONAL CLASSIFICATION 2009-2012\*

ا مده مادرا		- (44)										
rban - I	nterstat			_								_
0010	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2012	0.847	0.828	0.844	0.846	0.849	0.844	0.854	0.854	0.852	0.844	0.859	0.866
2011	0.830	0.854	0.862	0.864	0.862	0.864	0.874	0.844	0.840	0.840	0.858	0.848
2010	0.816	0.808	0.816	0.818	0.814	0.816	0.804	0.832	0.860	0.848	0.882	0.870
2009	0.786	0.818	0.826	0.826	0.830	0.826	0.838	0.810	0.796	0.810	0.818	0.822
Jrban - I	Freeway	s and Ex	presswa	ays (12) I	Principal	Arterials	s (14)					
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2012	0.943	0.943	0.954	0.941	0.944	0.943	0.947	0.936	0.936	0.935	0.939	0.943
2011	0.944	0.946	0.946	0.940	0.946	0.944	0.948	0.940	0.940	0.936	0.946	0.950
2010	0.938	0.888	0.878	0.946	0.936	0.966	0.954	0.952	0.944	0.946	0.948	0.942
2009	0.946	0.946	0.952	0.952	0.948	0.944	0.938	0.932	0.930	0.944	0.944	0.942
leban l	Minor A	rtoriale (	16), Colle	ctors (1	7) Local	e /10)					( - 10 ± 2	
rivaii - I				COLOR STORMS				Λ. Ι	0	0-1	Niero	D
2010	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2012	0.965	0.964	0.969	0.969	0.969	0.969	0.973	0.968	0.965	0.964	0.965	0.971
2011	0.966	0.968	0.942	0.944	0.946	0.944	0.948	0.944	0.964	0.962	0.966	0.970
2010	0.936	0.936	0.934	0.872	0.900	0.910	0.912	0.930	0.940	0.942	0.944	0.936
2009	0.948	0.938	0.952	0.962	0.958	0.946	0.944	0.944	0.954	0.952	0.952	0.960
Rural - Ir	nterstate	e (01)							P. han's			
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2012												
2012	0.674	0.687	0.714	0.724	0.739	0.739		0.756	0.723	0.724	0.748	
	<b>0.674</b>	<b>0.687</b> 0.678	<b>0.714</b> 0.700	<b>0.724</b> 0.708	<b>0.739</b> 0.712	<b>0.739</b> 0.712	0.770	<b>0.756</b> 0.708	<b>0.723</b> 0.710	<b>0.724</b> 0.702	<b>0.748</b> 0.722	0.740
2011	0.676	0.678	0.700	0.708	0.712	0.712	<b>0.770</b> 0.718	0.708	0.710	0.724 0.702 0.702	0.722	
2011 2010	0.676 0.676	0.678 0.678	0.700 0.700		0.712 0.712	0.712 0.712	0.770			0.702		<b>0.740</b> 0.694
2011	0.676	0.678	0.700	0.708 0.708	0.712	0.712	0.770 0.718 0.718	0.708 0.708	0.710 0.710	0.702 0.702	0.722 0.722	0.740 0.694 0.694
2011 2010 2009	0.676 0.676 0.688	0.678 0.678 0.732	0.700 0.700	0.708 0.708 0.756	0.712 0.712 0.754	0.712 0.712 0.770	0.770 0.718 0.718	0.708 0.708	0.710 0.710	0.702 0.702	0.722 0.722	0.740 0.694 0.694
2011 2010 2009	0.676 0.676 0.688	0.678 0.678 0.732	0.700 0.700 0.744	0.708 0.708 0.756 <b>nor Arte</b>	0.712 0.712 0.754	0.712 0.712 0.770	0.770 0.718 0.718	0.708 0.708	0.710 0.710 0.736	0.702 0.702 0.720	0.722 0.722 0.718	0.740 0.694 0.694 0.716
2011 2010 2009	0.676 0.676 0.688 Principal	0.678 0.678 0.732 <b>Arterials</b>	0.700 0.700 0.744 s (02), Mi	0.708 0.708 0.756 nor Arte	0.712 0.712 0.754 rials (06)	0.712 0.712 0.770	0.770 0.718 0.718 0.772	0.708 0.708 0.740	0.710 0.710 0.736	0.702 0.702 0.720 Oct 0.897	0.722 0.722 0.718	0.740 0.694 0.694 0.716
2011 2010 2009 Rural - P 2012 2011	0.676 0.676 0.688 Principal Jan 0.877 0.878	0.678 0.678 0.732 <b>Arterials</b>	0.700 0.700 0.744 s (02), Mi	0.708 0.708 0.756 <b>nor Arte</b>	0.712 0.712 0.754 rials (06)	0.712 0.712 0.770	0.770 0.718 0.718 0.772	0.708 0.708 0.740	0.710 0.710 0.736	0.702 0.702 0.720	0.722 0.722 0.718	0.740 0.694 0.694 0.716
2011 2010 2009 Rural - P 2012 2011	0.676 0.676 0.688 Principal Jan 0.877	0.678 0.678 0.732 <b>Arterials</b> Feb 0.889	0.700 0.700 0.744 s (02), Mi Mar 0.898	0.708 0.708 0.756 <b>nor Arte</b> Apr 0.883	0.712 0.712 0.754 rials (06) May 0.886	0.712 0.712 0.770 Jun 0.883	0.770 0.718 0.718 0.772 Jul 0.892	0.708 0.708 0.740 Aug 0.885	0.710 0.710 0.736 Sep 0.901	0.702 0.702 0.720 Oct 0.897	0.722 0.722 0.718 Nov 0.892	0.740 0.694 0.694 0.716 Dec 0.892
2011 2010 2009 Rural - P 2012 2011	0.676 0.676 0.688 Principal Jan 0.877 0.878	0.678 0.678 0.732 <b>Arterials</b> Feb 0.889 0.886	0.700 0.700 0.744 s (02), Mi Mar 0.898 0.886	0.708 0.708 0.756 <b>nor Arte</b> Apr <b>0.883</b> 0.886	0.712 0.712 0.754 rials (06) May 0.886 0.884	0.712 0.712 0.770 Jun 0.883 0.888	0.770 0.718 0.718 0.772 Jul 0.892 0.894	0.708 0.708 0.740 Aug 0.885 0.892	0.710 0.710 0.736 Sep 0.901 0.892	0.702 0.702 0.720 Oct 0.897 0.886	0.722 0.722 0.718 Nov 0.892 0.880	0.740 0.694 0.694 0.716 Dec 0.892 0.886
2011 2010 2009 Rural - P 2012 2011 2010 2009	0.676 0.676 0.688 Principal Jan 0.877 0.878 0.830 0.846	0.678 0.678 0.732 Arterials Feb 0.889 0.886 0.826 0.852	0.700 0.700 0.744 s (02), Mi Mar 0.898 0.886 0.828	0.708 0.708 0.756 <b>nor Arte</b> Apr <b>0.883</b> 0.886 0.826 0.846	0.712 0.712 0.754 rials (06) May 0.886 0.884 0.856 0.868	0.712 0.712 0.770 Jun 0.883 0.888 0.864 0.874	0.770 0.718 0.718 0.772 Jul 0.892 0.894 0.862 0.864	0.708 0.708 0.740 Aug 0.885 0.892 0.858	0.710 0.710 0.736 Sep 0.901 0.892 0.872	0.702 0.702 0.720 Oct 0.897 0.886 0.874	0.722 0.722 0.718 Nov 0.892 0.880 0.876	0.740 0.694 0.694 0.716 Dec 0.892 0.886 0.884
2011 2010 2009 Rural - P 2012 2011 2010 2009	0.676 0.676 0.688 Principal Jan 0.877 0.878 0.830 0.846	0.678 0.678 0.732  Arterials Feb 0.889 0.886 0.826 0.852	0.700 0.700 0.744 s (02), Mi Mar 0.898 0.886 0.828 0.840	0.708 0.708 0.756 nor Arte Apr 0.883 0.886 0.826 0.846	0.712 0.712 0.754 rials (06) May 0.886 0.884 0.856 0.868	0.712 0.712 0.770 Jun 0.883 0.888 0.864 0.874	0.770 0.718 0.718 0.772 Jul 0.892 0.894 0.862 0.864	0.708 0.708 0.740 Aug 0.885 0.892 0.858 0.864	0.710 0.710 0.736 Sep 0.901 0.892 0.872 0.868	0.702 0.702 0.720 Oct 0.897 0.886 0.874	0.722 0.722 0.718 Nov 0.892 0.880 0.876	0.740 0.694 0.694 0.716 Dec 0.892 0.886 0.884
2011 2010 2009 Rural - P 2012 2011 2010 2009	0.676 0.676 0.688 Principal Jan 0.877 0.878 0.830 0.846	0.678 0.678 0.732 Arterials Feb 0.889 0.886 0.826 0.852	0.700 0.700 0.744 s (02), Mi Mar 0.898 0.886 0.828 0.840	0.708 0.708 0.756 <b>nor Arte</b> Apr <b>0.883</b> 0.886 0.826 0.846	0.712 0.712 0.754 rials (06) May 0.886 0.884 0.856 0.868	0.712 0.712 0.770 Jun 0.883 0.888 0.864 0.874	0.770 0.718 0.718 0.772 Jul 0.892 0.894 0.862 0.864	0.708 0.708 0.740 Aug 0.885 0.892 0.858	0.710 0.710 0.736 Sep 0.901 0.892 0.872	0.702 0.702 0.720 Oct 0.897 0.886 0.874 0.866	0.722 0.722 0.718 Nov 0.892 0.880 0.876 0.862	0.740 0.694 0.694 0.716 Dec 0.892 0.886 0.884 0.858
2011 2010 2009 Rural - P 2012 2011 2010 2009	0.676 0.676 0.688 Principal Jan 0.877 0.878 0.830 0.846	0.678 0.678 0.732  Arterials Feb 0.889 0.886 0.826 0.852  Ilectors Feb 0.923	0.700 0.700 0.744 s (02), Mi Mar 0.898 0.886 0.828 0.840 (07), Min Mar 0.920	0.708 0.708 0.756  nor Arte  Apr 0.883 0.886 0.826 0.846  Apr Or Collect  Apr 0.927	0.712 0.712 0.754 rials (06) May 0.886 0.884 0.856 0.868 ctors (08)	0.712 0.712 0.770 Jun 0.883 0.888 0.864 0.874 ), Locals Jun 0.927	0.770 0.718 0.718 0.772 Jul 0.892 0.894 0.862 0.864	0.708 0.708 0.740 Aug 0.885 0.892 0.858 0.864	0.710 0.710 0.736 Sep 0.901 0.892 0.872 0.868	0.702 0.702 0.720 Oct 0.897 0.886 0.874 0.866	0.722 0.722 0.718 Nov 0.892 0.880 0.876 0.862	0.740 0.694 0.694 0.716 Dec 0.892 0.886 0.884 0.858
2011 2010 2009 Rural - P 2012 2011 2010 2009	0.676 0.676 0.688 Principal Jan 0.877 0.878 0.830 0.846	0.678 0.678 0.732  Arterials Feb 0.889 0.886 0.826 0.852  Ilectors	0.700 0.700 0.744 s (02), Mi Mar 0.898 0.886 0.828 0.840 (07), Min	0.708 0.708 0.756 nor Arte Apr 0.883 0.886 0.826 0.846	0.712 0.712 0.754 rials (06) May 0.886 0.884 0.856 0.868	0.712 0.712 0.770 Jun 0.883 0.888 0.864 0.874 Jun	0.770 0.718 0.718 0.772 Jul 0.892 0.894 0.862 0.864 (09) Jul 0.925	0.708 0.708 0.740 Aug 0.885 0.892 0.858 0.864 Aug	0.710 0.710 0.736 Sep 0.901 0.892 0.872 0.868	0.702 0.702 0.720 Oct 0.897 0.886 0.874 0.866 Oct 0.927	0.722 0.722 0.718 Nov 0.892 0.880 0.876 0.862 Nov 0.921	0.740 0.694 0.694 0.716 Dec 0.892 0.886 0.884 0.858

<sup>\*</sup>Axle Adjustment Factors are applied to counts taken with portable counters utilizing a single pneumatic road tube. This type of counter registers two axle impacts as one vehicle. The axle factor is used to account for vehicle types having more than two axles, typically trucks with three or more axles.

## ANNUAL GROWTH FACTORS BY FUNCTIONAL CLASSIFICATION 2001 - 2012\*

	Urban - Inte	erstate (11),	Freeways	and Expres	sways (1	2)					
	YEAR FROM										
YEAR TO	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
2002	-	0.970	0.958	0.934	0.919	0.883	0.902	0.885	0.882	0.869	0.861
2003	1.031	- 4 040	0.988	0.963	0.947	0.911	0.930	0.913	0.909	0.896	0.888
2004	1.043	1.012	-	0.975	0.958	0.922	0.941	0.924	0.920	0.906	0.898
2005	1.070	1.038	1.026	-	0.983	0.945	0.966	0.948	0.944	0.930	0.922
2006	1.089	1.056	1.043	1.017	-	0.962	0.982	0.964	0.960	0.946	0.937
2007	1.132	1.098	1.085	1.058	1.040	- 0.070	1.021	1.002	0.998	0.984	0.975
2008	1.108	1.075	1.062	1.035	1.018	0.979	- 4 040	0.981	0.977	0.963	0.954
2009	1.130	1.096	1.083	1.055	1.038	0.998	1.019	- 4 004	0.996	0.981	
2010	1.134	1.100	1.087	1.059	1.042	1.002	1.023	1.004	- 4 045	0.985	0.976
2011	1.151	1.116	1.103	1.075	1.057	1.017	1.038	1.019	1.015		0.991
2012	1.161	1.126	1.113	1.085	1.067	1.026	1.048	1.028	1.024	1.009	
	Urban - Pri	ncipal Arter	ials (14), Mi	inor Arteria	Is (16), Co	ollectors	(17), Local	(19)			
	YEAR FROM										
YEAR TO	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
2002	-	1.013	1.025	1.024	1.017	1.031	1.064	1.068	1.061	1.042	1.043
2003	0.987	<u></u>	1.012	1.011	1.004	1.017	1.050	1.054	1.047	1.028	1.029
2004	0.975	0.988	-	0.999	0.992	1.005	1.037	1.041	1.034	1.016	1.017
2005	0.976	0.989	1.001	-	0.993	1.006	1.038	1.042	1.035	1.017	1.018
2006	0.983	0.996	1.008	1.007	-	1.013	1.046	1.050	1.042	1.024	1.025
2007	0.970	0.983	0.995	0.994	0.987	(/ <b>-</b> )	1.032	1.036	1.029	1.011	1.012
2008	0.940	0.952	0.964	0.963	0.956	0.969		1.004	0.997	0.979	0.980
2009	0.936	0.949	0.960	0.959	0.953	0.965	0.996	-	0.993	0.975	0.976
2010	0.943	0.955	0.967	0.966	0.959	0.972	1.003	1.007	-	0.982	0.983
2011	0.960	0.973	0.984	0.983	0.977	0.989	1.021	1.025	1.018	-	1.001
2012	0.959	0.972	0.983	0.982	0.976	0.988	1.020	1.024	1.017	0.999	
	Rural - Inte	rstate (01)		and the second							
YEAR TO	YEAR FROM 2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
2002	2002	0.995	0.982	0.977	0.970	0.962	0.979	0.987	0.996	0.989	0.970
	1.005	0.993	0.987	0.982	0.974	0.967	0.983	0.992	0.996	0.994	0.975
2003		1 012			0.987	0.979	0.996	1.005	1.009	1.007	0.988
2004	1.018	1.013	4 005	0.995		0.979	1.001	1.003	1.014	1.007	0.992
2005	1.023	1.018	1.005	4 000	0.992	0.984		1.010	1.014	1.012	1.000
2006	1.031	1.026	1.013	1.008	4 000	201001111111111111111111111111111111111	1.009	1.016	1.022	1.020	1.008
2007	1.040	1.034	1.021	1.016	1.008	- 0.000	1.017	1.027	1.031		0.991
2008											
	1.022	1.017	1.004	0.999	0.991	0.983	- 0.004			1.011	
2009	1.013	1.008	0.995	0.990	0.982	0.974	0.991	-	1.004	1.002	0.982
2009 2010	1.013 1.009	1.008 1.004	0.995 0.991	0.990 0.986	0.982 0.978	0.974 0.970	0.987	0.996	1.004	1.002 0.998	0.982 0.978
2009 2010 2011	1.013 1.009 1.011	1.008 1.004 1.006	0.995 0.991 0.993	0.990 0.986 0.988	0.982 0.978 0.980	0.974 0.970 0.972	0.987 0.989	0.996 0.998	1.004 - 1.002	1.002 0.998 -	
2009 2010	1.013 1.009	1.008 1.004	0.995 0.991	0.990 0.986	0.982 0.978	0.974 0.970	0.987	0.996	1.004	1.002 0.998	0.982 0.978
2009 2010 2011	1.013 1.009 1.011 1.031	1.008 1.004 1.006	0.995 0.991 0.993 <b>1.013</b>	0.990 0.986 0.988 1.008	0.982 0.978 0.980 <b>1.000</b>	0.974 0.970 0.972	0.987 0.989	0.996 0.998	1.004 - 1.002	1.002 0.998 -	0.982 0.978
2009 2010 2011 2012	1.013 1.009 1.011 1.031	1.008 1.004 1.006 1.026	0.995 0.991 0.993 1.013 als (02), Min	0.990 0.986 0.988 1.008	0.982 0.978 0.980 1.000 s (06)	0.974 0.970 0.972 <b>0.992</b>	0.987 0.989 <b>1.009</b>	0.996 0.998 1.018	1.004 - 1.002 1.022	1.002 0.998 - 1.020	0.982 0.978 0.980
2009 2010 2011 2012 YEAR TO	1.013 1.009 1.011 1.031 Rural - Prin	1.008 1.004 1.006 1.026 ncipal Arteri	0.995 0.991 0.993 1.013 als (02), Min	0.990 0.986 0.988 1.008	0.982 0.978 0.980 1.000 s (06)	0.974 0.970 0.972 <b>0.992</b>	0.987 0.989 1.009	0.996 0.998 1.018	1.004 - 1.002 1.022	1.002 0.998 - 1.020	0.982 0.978 0.980 -
2009 2010 2011 2012 YEAR TO 2002	1.013 1.009 1.011 1.031 Rural - Prin YEAR FROM 2002	1.008 1.004 1.006 1.026	0.995 0.991 0.993 1.013 als (02), Min	0.990 0.986 0.988 1.008 nor Arterial	0.982 0.978 0.980 1.000 s (06)	0.974 0.970 0.972 <b>0.992</b> 2007 0.987	0.987 0.989 1.009	0.996 0.998 1.018	1.004 - 1.002 1.022 2010 1.046	1.002 0.998 - 1.020	0.982 0.978 0.980 - - 2012 1.038
2009 2010 2011 2012 YEAR TO 2002 2003	1.013 1.009 1.011 1.031 Rural - Prin YEAR FROM 2002 - 0.978	1.008 1.004 1.006 1.026 1.026 1.020 1.022	0.995 0.991 0.993 1.013 als (02), Min	0.990 0.986 0.988 1.008 nor Arterial 2005 0.996 0.974	0.982 0.978 0.980 1.000 s (06) 2006 0.987 0.965	0.974 0.970 0.972 <b>0.992</b> 2007 0.987 0.965	0.987 0.989 1.009 2008 1.038 1.015	0.996 0.998 1.018 2009 1.043 1.020	1.004 - 1.002 1.022 2010 1.046 1.023	1.002 0.998 - 1.020 2011 1.045 1.022	0.982 0.978 0.980 - 2012 1.038 1.015
2009 2010 2011 2012 YEAR TO 2002 2003 2004	1.013 1.009 1.011 1.031 Rural - Prin YEAR FROM 2002 - 0.978 1.005	1.008 1.004 1.006 1.026 1.026 1.023 1.022	0.995 0.991 0.993 1.013 als (02), Min 2004 0.995 0.973	0.990 0.986 0.988 1.008 nor Arterial 2005 0.996 0.974 1.001	0.982 0.978 0.980 1.000 s (06) 2006 0.987 0.965 0.992	0.974 0.970 0.972 <b>0.992</b> 2007 0.987 0.965 0.992	0.987 0.989 1.009 2008 1.038 1.015 1.043	- 0.996 0.998 1.018 2009 1.043 1.020 1.048	1.004 - 1.002 1.022 2010 1.046 1.023 1.052	1.002 0.998 - 1.020 2011 1.045 1.022 1.051	0.982 0.978 0.980 - 2012 1.038 1.015 1.043
2009 2010 2011 2012 YEAR TO 2002 2003 2004 2005	1.013 1.009 1.011 1.031 Rural - Prin YEAR FROM 2002 - 0.978 1.005 1.004	1.008 1.004 1.006 1.026 1.026 1.023 1.022 - 1.028 1.027	0.995 0.991 0.993 1.013 als (02), Min 2004 0.995 0.973	0.990 0.986 0.988 1.008 nor Arterial 2005 0.996 0.974 1.001	0.982 0.978 0.980 1.000 s (06) 2006 0.987 0.965	0.974 0.970 0.972 <b>0.992</b> 2007 0.987 0.965 0.992 0.991	0.987 0.989 1.009 2008 1.038 1.015 1.043 1.042	- 0.996 0.998 1.018 2009 1.043 1.020 1.048 1.047	1.004 - 1.002 1.022 2010 1.046 1.023 1.052 1.051	1.002 0.998 - 1.020 2011 1.045 1.022 1.051 1.049	0.982 0.978 0.980 - 2012 1.038 1.015 1.043
2009 2010 2011 2012 2012 2012 2002 2003 2004 2005 2006	1.013 1.009 1.011 1.031 Rural - Prin YEAR FROM 2002 - 0.978 1.005 1.004 1.013	1.008 1.004 1.006 1.026 1.026 2003 1.022 - 1.028 1.027 1.036	0.995 0.991 0.993 1.013 als (02), Min 2004 0.995 0.973 - 0.999 1.008	0.990 0.986 0.988 1.008 1007 Arterial 2005 0.996 0.974 1.001	0.982 0.978 0.980 1.000 s (06) 2006 0.987 0.965 0.992 0.991	0.974 0.970 0.972 <b>0.992</b> 2007 0.987 0.965 0.992	0.987 0.989 1.009 2008 1.038 1.015 1.043 1.042 1.052	2009 1.043 1.048 1.047 1.057	1.004 - 1.002 1.022 2010 1.046 1.023 1.052 1.051 1.060	1.002 0.998 - 1.020 2011 1.045 1.022 1.051 1.049 1.059	0.982 0.978 0.980 - 2012 1.038 1.015 1.043 1.042
2009 2010 2011 2012 YEAR TO 2002 2003 2004 2005 2006 2007	1.013 1.009 1.011 1.031 Rural - Prin YEAR FROM 2002 - 0.978 1.005 1.004 1.013	1.008 1.004 1.006 1.026 1.026 1.022 - 1.028 1.027 1.036 1.036	0.995 0.991 0.993 1.013 als (02), Min 2004 0.995 0.995 0.973 - 0.999 1.008	0.990 0.986 0.988 1.008 nor Arterial 2005 0.996 0.974 1.001 - 1.009	0.982 0.978 0.980 1.000 s (06) 2006 0.987 0.965 0.992 0.991	0.974 0.970 0.972 0.992 2007 0.987 0.965 0.992 0.991 1.000	0.987 0.989 1.009 2008 1.038 1.015 1.043 1.042	2009 1.043 1.020 1.048 1.047 1.057	1.004 - 1.002 1.022 2010 1.046 1.023 1.052 1.051 1.060	1.002 0.998 - 1.020 2011 1.045 1.022 1.051 1.049 1.059	0.982 0.978 0.980 - 1.038 1.015 1.043 1.042 1.052
2009 2010 2011 2012 YEAR TO 2002 2003 2004 2005 2006 2007 2008	1.013 1.009 1.011 1.031 Rural - Prin YEAR FROM 2002 - 0.978 1.005 1.004 1.013 1.013	1.008 1.004 1.006 1.026 1.028 1.022 - 1.028 1.027 1.036 1.036 0.985	0.995 0.991 0.993 1.013 als (02), Min 2004 0.995 0.973 - 0.999 1.008 1.008 0.959	0.990 0.986 0.988 1.008 0.974 1.001 - 1.009 1.009 0.960	0.982 0.978 0.980 1.000 s (06) 2006 0.987 0.965 0.992 0.991 - 1.000 0.951	0.974 0.970 0.972 0.992 2007 0.987 0.965 0.992 0.991 1.000	0.987 0.989 1.009 2008 1.038 1.015 1.043 1.042 1.052 1.052	2009 1.043 1.048 1.047 1.057	1.004 - 1.002 1.022 2010 1.046 1.023 1.052 1.051 1.060 1.060 1.008	1.002 0.998 - 1.020 2011 1.045 1.022 1.051 1.049 1.059 1.059	0.982 0.978 0.980  1.038 1.015 1.043 1.042 1.052 1.052
2009 2010 2011 2012 YEAR TO 2002 2003 2004 2005 2006 2007 2008 2009	1.013 1.009 1.011 1.031 Rural - Prin YEAR FROM 2002 - 0.978 1.005 1.004 1.013 1.013 0.964 0.959	1.008 1.004 1.006 1.026 1.026 1.022 - 1.028 1.027 1.036 1.036 0.985 0.981	0.995 0.991 0.993 1.013 als (02), Min 2004 0.995 0.973 - 0.999 1.008 1.008 0.959 0.954	0.990 0.986 0.988 1.008 nor Arterial 2005 0.996 0.974 1.009 1.009 0.960 0.955	0.982 0.978 0.980 1.000 s (06) 2006 0.987 0.965 0.992 0.991 - 1.000 0.951 0.946	0.974 0.970 0.972 0.992 2007 0.987 0.965 0.992 0.991 1.000 -	0.987 0.989 1.009 2008 1.038 1.015 1.043 1.042 1.052 1.052 -	- 0.996 0.998 1.018 2009 1.043 1.020 1.048 1.047 1.057 1.057	1.004 - 1.002 1.022 2010 1.046 1.023 1.052 1.051 1.060 1.060 1.008 1.003	1.002 0.998 - 1.020 2011 1.045 1.022 1.051 1.049 1.059 1.059 1.007	2012 1.038 1.015 1.043 1.052 1.052 1.000 0.995
2009 2010 2011 2012 YEAR TO 2002 2003 2004 2005 2006 2007 2008 2009 2010	1.013 1.009 1.011 1.031 Rural - Prin YEAR FROM 2002 - 0.978 1.005 1.004 1.013 1.013 0.964 0.959 0.956	1.008 1.004 1.006 1.026 1.026 1.028 1.022 - 1.028 1.027 1.036 1.036 0.985 0.981 0.978	0.995 0.991 0.993 1.013 als (02), Min 2004 0.995 0.973 - 0.999 1.008 1.008 0.959 0.954 0.951	0.990 0.986 0.988 1.008 nor Arterial 2005 0.996 0.974 1.001 1.009 1.009 0.960 0.955	0.982 0.978 0.980 1.000 s (06) 2006 0.987 0.965 0.992 0.991 - 1.000 0.951 0.946	0.974 0.970 0.972 0.992 0.992 0.987 0.965 0.992 0.991 1.000 - 0.951 0.946 0.943	0.987 0.989 1.009 2008 1.038 1.015 1.043 1.042 1.052 1.052 - 0.995 0.992	- 0.996 0.998 1.018 2009 1.043 1.020 1.048 1.047 1.057 1.057 1.005	1.004 - 1.002 1.022 2010 1.046 1.023 1.052 1.051 1.060 1.060 1.008 1.003	1.002 0.998 - 1.020 1.045 1.022 1.051 1.049 1.059 1.059 1.007 1.002 0.999	2012 1.038 1.042 1.052 1.052 1.099 0.992
2009 2010 2011 2012 YEAR TO 2002 2003 2004 2005 2006 2007 2008 2009	1.013 1.009 1.011 1.031 Rural - Prin YEAR FROM 2002 - 0.978 1.005 1.004 1.013 1.013 0.964 0.959	1.008 1.004 1.006 1.026 1.026 1.022 - 1.028 1.027 1.036 1.036 0.985 0.981	0.995 0.991 0.993 1.013 als (02), Min 2004 0.995 0.973 - 0.999 1.008 1.008 0.959 0.954 0.951 0.952	0.990 0.986 0.988 1.008 1.008 0.996 0.974 1.001 1.009 1.009 0.960 0.955 0.952	0.982 0.978 0.980 1.000 s (06) 2006 0.987 0.965 0.992 0.991 - 1.000 0.951 0.946 0.943	0.974 0.970 0.972 0.992 2007 0.987 0.965 0.992 0.991 1.000 - 0.951 0.946 0.943 0.944	0.987 0.989 1.009 2008 1.038 1.015 1.043 1.042 1.052 1.052 - 0.995 0.992 0.993	- 0.996 0.998 1.018 2009 1.043 1.020 1.048 1.047 1.057 1.057 1.057 1.005 - 0.997 0.998	1.004 - 1.002 1.022 2010 1.046 1.023 1.052 1.051 1.060 1.060 1.008 1.003 - 1.001	1.002 0.998 - 1.020 2011 1.045 1.022 1.051 1.049 1.059 1.059 1.007 1.002 0.999	0.982 0.978 0.980  1.038 1.015 1.043 1.042 1.052 1.052
2009 2010 2011 2012 YEAR TO 2002 2003 2004 2005 2006 2007 2008 2009 2010	1.013 1.009 1.011 1.031 Rural - Prin YEAR FROM 2002 - 0.978 1.005 1.004 1.013 1.013 0.964 0.959 0.956	1.008 1.004 1.006 1.026 1.026 1.028 1.022 - 1.028 1.027 1.036 1.036 0.985 0.981 0.978	0.995 0.991 0.993 1.013 als (02), Min 2004 0.995 0.973 - 0.999 1.008 1.008 0.959 0.954 0.951	0.990 0.986 0.988 1.008 nor Arterial 2005 0.996 0.974 1.001 1.009 1.009 0.960 0.955	0.982 0.978 0.980 1.000 s (06) 2006 0.987 0.965 0.992 0.991 - 1.000 0.951 0.946	0.974 0.970 0.972 0.992 0.992 0.987 0.965 0.992 0.991 1.000 - 0.951 0.946 0.943	0.987 0.989 1.009 2008 1.038 1.015 1.043 1.042 1.052 1.052 - 0.995 0.992	- 0.996 0.998 1.018 2009 1.043 1.020 1.048 1.047 1.057 1.057 1.005	1.004 - 1.002 1.022 2010 1.046 1.023 1.052 1.051 1.060 1.060 1.008 1.003	1.002 0.998 - 1.020 1.045 1.022 1.051 1.049 1.059 1.059 1.007 1.002 0.999	2012 1.038 1.042 1.052 1.052 1.099 0.992
2009 2010 2011 2012 YEAR TO 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011	1.013 1.009 1.011 1.031 Rural - Prin YEAR FROM 2002 - 0.978 1.005 1.004 1.013 1.013 0.964 0.959 0.956 0.957 0.964	1.008 1.004 1.006 1.026 1.026 1.028 1.022 - 1.028 1.027 1.036 1.036 0.985 0.981 0.978 0.979 0.985	0.995 0.991 0.993 1.013 als (02), Min 2004 0.995 0.973 - 0.999 1.008 1.008 0.959 0.954 0.951 0.952 0.959	0.990 0.986 0.988 1.008 0.996 0.996 0.974 1.001 - 1.009 0.960 0.955 0.952 0.953 0.960	0.982 0.978 0.980 1.000 s (06) 2006 0.987 0.965 0.992 0.991 - 1.000 0.951 0.946 0.943 0.944	0.974 0.970 0.972 0.992 0.992 0.987 0.965 0.992 0.991 1.000 - 0.951 0.946 0.943 0.944	0.987 0.989 1.009 2008 1.038 1.015 1.043 1.042 1.052 1.052 - 0.995 0.992 0.993	- 0.996 0.998 1.018 2009 1.043 1.020 1.048 1.047 1.057 1.057 1.057 1.005 - 0.997 0.998	1.004 - 1.002 1.022 2010 1.046 1.023 1.052 1.051 1.060 1.060 1.008 1.003 - 1.001	1.002 0.998 - 1.020 2011 1.045 1.022 1.051 1.049 1.059 1.059 1.007 1.002 0.999	2012 1.038 1.042 1.052 1.052 1.099 0.992
2009 2010 2011 2012 YEAR TO 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011	1.013 1.009 1.011 1.031 Rural - Prin YEAR FROM 2002 - 0.978 1.005 1.004 1.013 1.013 0.964 0.959 0.956 0.957 0.964 Rural - Maj	1.008 1.004 1.006 1.026 1.026 1.028 1.022 - 1.028 1.027 1.036 1.036 0.985 0.981 0.978	0.995 0.991 0.993 1.013 als (02), Min 2004 0.995 0.973 - 0.999 1.008 1.008 0.959 0.954 0.951 0.952 0.959	0.990 0.986 0.988 1.008 0.996 0.996 0.974 1.001 - 1.009 0.960 0.955 0.952 0.953 0.960	0.982 0.978 0.980 1.000 s (06) 2006 0.987 0.965 0.992 0.991 - 1.000 0.951 0.946 0.943 0.944	0.974 0.970 0.972 0.992 0.992 0.987 0.965 0.992 0.991 1.000 - 0.951 0.946 0.943 0.944	0.987 0.989 1.009 2008 1.038 1.015 1.043 1.042 1.052 1.052 - 0.995 0.992 0.993	- 0.996 0.998 1.018 2009 1.043 1.020 1.048 1.047 1.057 1.057 1.057 1.005 - 0.997 0.998	1.004 - 1.002 1.022 2010 1.046 1.023 1.052 1.051 1.060 1.060 1.008 1.003 - 1.001	1.002 0.998 - 1.020 2011 1.045 1.022 1.051 1.049 1.059 1.059 1.007 1.002 0.999	2012 1.038 1.042 1.052 1.052 1.099 0.992
2009 2010 2011 2012 YEAR TO 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011	1.013 1.009 1.011 1.031  Rural - Prin YEAR FROM 2002 - 0.978 1.005 1.004 1.013 1.013 0.964 0.959 0.956 0.957 0.964  Rural - Maj YEAR FROM	1.008 1.004 1.006 1.026 1.026 1.028 1.022 - 1.028 1.027 1.036 1.036 0.985 0.981 0.978 0.979 0.985	0.995 0.991 0.993 1.013 als (02), Min 2004 0.995 0.973 - 0.999 1.008 1.008 0.959 0.954 0.951 0.952 0.959	0.990 0.986 0.988 1.008 0.996 0.996 0.974 1.001 - 1.009 0.960 0.955 0.952 0.953 0.960	0.982 0.978 0.980 1.000 s (06) 2006 0.987 0.965 0.992 0.991 - 1.000 0.951 0.946 0.943 0.944	0.974 0.970 0.972 0.992 0.992 0.987 0.965 0.992 0.991 1.000 - 0.951 0.946 0.943 0.944	0.987 0.989 1.009 2008 1.038 1.015 1.043 1.042 1.052 1.052 - 0.995 0.992 0.993	- 0.996 0.998 1.018 2009 1.043 1.020 1.048 1.047 1.057 1.057 1.057 1.005 - 0.997 0.998	1.004 - 1.002 1.022 2010 1.046 1.023 1.052 1.051 1.060 1.060 1.008 1.003 - 1.001	1.002 0.998 - 1.020 2011 1.045 1.022 1.051 1.049 1.059 1.059 1.007 1.002 0.999	2012 1.038 1.042 1.052 1.052 1.099 0.992
2009 2010 2011 2011 2012 YEAR TO 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012	1.013 1.009 1.011 1.031 Rural - Prin YEAR FROM 2002 - 0.978 1.005 1.004 1.013 1.013 0.964 0.959 0.956 0.957 0.964 Rural - Maj	1.008 1.004 1.006 1.026 1.026 1.028 1.027 1.036 1.036 0.985 0.981 0.978 0.979 0.985 or Collector	0.995 0.991 0.993 1.013 als (02), Min 2004 0.995 0.973 - 0.999 1.008 1.008 0.959 0.954 0.951 0.952 0.959 s (07), Mind	0.990 0.986 0.988 1.008 1.008 0.996 0.996 0.974 1.001 1.009 0.960 0.955 0.952 0.953 0.960 0r Collecto	0.982 0.978 0.980 1.000 s (06) 2006 0.987 0.965 0.992 0.991 -1.000 0.951 0.946 0.943 0.944 0.951 rs (08), Lc	0.974 0.970 0.972 0.992 2007 0.987 0.965 0.992 0.991 1.000 - 0.951 0.946 0.943 0.944 0.951	0.987 0.989 1.009 1.038 1.015 1.043 1.042 1.052 1.052 - 0.995 0.992 0.993 1.000	- 0.996 0.998 1.018 2009 1.043 1.020 1.048 1.047 1.057 1.057 1.005 - 0.997 0.998 1.005	1.004 - 1.002 1.022 2010 1.046 1.023 1.052 1.051 1.060 1.060 1.008 1.003 - 1.001 1.008	1.002 0.998 - 1.020 1.045 1.045 1.051 1.049 1.059 1.059 1.007 1.002 0.999	0.982 0.978 0.980 
2009 2010 2011 2011 2012 YEAR TO 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012	1.013 1.009 1.011 1.031  Rural - Prin YEAR FROM 2002 - 0.978 1.005 1.004 1.013 0.964 0.959 0.956 0.957 0.964  Rural - Maj YEAR FROM	1.008 1.004 1.006 1.026 1.026 1.028 1.027 1.036 1.036 0.985 0.981 0.978 0.979 0.985 or Collector	0.995 0.991 0.993 1.013 als (02), Min 2004 0.995 0.973 - 0.999 1.008 1.008 0.959 0.954 0.951 0.952 0.959 s (07), Mins	0.990 0.986 0.988 1.008 1.008 0.996 0.974 1.001 - 1.009 0.960 0.955 0.952 0.953 0.960 0.960 0.960 0.960 0.960 0.960	0.982 0.978 0.980 1.000 s (06) 2006 0.987 0.965 0.992 0.991 	0.974 0.970 0.972 0.992 2007 0.987 0.965 0.992 0.991 1.000 - 0.951 0.946 0.943 0.944 0.951	0.987 0.989 1.009 1.008 1.038 1.015 1.043 1.042 1.052 - 0.995 0.992 0.993 1.000	- 0.996 0.998 1.018 2009 1.043 1.020 1.048 1.047 1.057 1.057 1.005 - 0.997 0.998 1.005	1.004 - 1.002 1.022 2010 1.046 1.023 1.052 1.051 1.060 1.008 1.003 - 1.001 1.008	1.002 0.998 - 1.020 2011 1.045 1.022 1.051 1.049 1.059 1.007 1.002 0.999 - 1.007	2012 1.038 1.043 1.042 1.052 1.052 0.993 
2009 2010 2011 2011 2012 YEAR TO 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 YEAR TO 2002 2003	1.013 1.009 1.011 1.031  Rural - Prin YEAR FROM 2002 - 0.978 1.005 1.004 1.013 1.013 0.964 0.959 0.956 0.957 0.964  Rural - Maj YEAR FROM 2002 - 1.003	1.008 1.004 1.006 1.026 1.026 1.028 1.027 1.036 1.036 0.985 0.981 0.978 0.979 0.985 or Collector	0.995 0.991 0.993 1.013 als (02), Min 2004 0.995 0.973 - 0.999 1.008 1.008 0.959 0.954 0.951 0.952 0.959 s (07), Mino 2004 0.993	0.990 0.986 0.988 1.008 1.008 0.996 0.996 0.974 1.001 - 1.009 0.960 0.955 0.952 0.953 0.960 or Collecto 2005 1.006 1.009	0.982 0.978 0.980 1.000 s (06) 2006 0.987 0.965 0.992 0.991 -1.000 0.951 0.946 0.943 0.944 0.951 rs (08), Lc	0.974 0.970 0.972 0.992 2007 0.987 0.965 0.992 0.991 1.000 - 0.951 0.946 0.943 0.944 0.951 0.965 0.992 0.991 1.000 - 1.000 0.965 0.992 0.991 1.000 1.000 0.965 0.992 0.991 1.000 0.965 0.992 0.991 1.000 0.965 0.992 0.991 1.000 0.965 0.965 0.992 0.991 1.000 0.965 0.993 0.994 0.965 0.96	0.987 0.989 1.009 1.009 1.038 1.015 1.043 1.042 1.052 1.052 1.052 0.995 0.992 0.993 1.000	- 0.996 0.998 1.018 2009 1.043 1.020 1.048 1.047 1.057 1.057 1.005 - 0.997 0.998 1.005	1.004 - 1.002 1.022  2010 1.046 1.023 1.052 1.051 1.060 1.060 1.008 1.003 - 1.001 1.008	1.002 0.998 - 1.020 2011 1.045 1.022 1.051 1.049 1.059 1.007 1.002 0.999 - 1.007	0.982 0.978 0.980 
2009 2010 2011 2011 2012 YEAR TO 2002 2003 2004 2005 2006 2007 2008 2010 2011 2012 YEAR TO 2002 2003 2004	1.013 1.009 1.011 1.031  Rural - Prin YEAR FROM 2002 - 0.978 1.005 1.004 1.013 1.013 0.964 0.959 0.956 0.957 0.964  Rural - Maj YEAR FROM 2002 - 1.003 1.003	1.008 1.004 1.006 1.026 1.026 1.028 1.022 - 1.028 1.027 1.036 1.036 0.985 0.981 0.979 0.985 or Collector  2003 0.997 - 1.004	0.995 0.991 0.993 1.013 als (02), Min 2004 0.995 0.973 - 0.999 1.008 1.008 0.959 0.954 0.951 0.952 0.959 s (07), Mino 2004 0.993 0.996	0.990 0.986 0.988 1.008 1.008 0.996 0.974 1.001 - 1.009 0.960 0.955 0.952 0.953 0.960 0.976 0.955 0.952 0.953 0.960 0.955 0.952 0.953	0.982 0.978 0.980 1.000 s (06) 2006 0.987 0.965 0.992 0.991 -1.000 0.951 0.946 0.943 0.944 0.951 rs (08), Lo	0.974 0.970 0.972 0.992 2007 0.987 0.965 0.992 0.991 1.000 - 0.951 0.944 0.951 cals (09) 2007 1.004 1.007	0.987 0.989 1.009 2008 1.038 1.015 1.043 1.042 1.052 1.052 	- 0.996 0.998 1.018 2009 1.043 1.020 1.048 1.047 1.057 1.057 1.005 - 0.997 0.998 1.005 2009 1.065 1.069 1.073	1.004 - 1.002 1.022  2010 1.046 1.023 1.052 1.051 1.060 1.060 1.008 1.003 - 1.001 1.008	1.002 0.998 - 1.020 2011 1.045 1.022 1.051 1.049 1.059 1.007 1.002 0.999 - 1.007	0.982 0.978 0.980 1.038 1.018 1.042 1.052 1.052 1.000 0.992 0.993 
2009 2010 2011 2011 2012 YEAR TO 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 YEAR TO 2002 2003 2004 2005	1.013 1.009 1.011 1.031  Rural - Prin YEAR FROM 2002 - 0.978 1.005 1.004 1.013 1.013 0.964 0.959 0.956 0.957 0.964  Rural - Maj YEAR FROM 2002 - 1.003 1.007 0.994	1.008 1.004 1.006 1.026 1.026 1.027 1.036 1.036 0.985 0.981 0.979 0.985 or Collector 2003 0.997 - 1.004 0.991	0.995 0.991 0.993 1.013 als (02), Min 2004 0.995 0.973 - 0.999 1.008 1.008 0.959 0.954 0.951 0.952 0.959 s (07), Mino 2004 0.993 0.996 - 0.987	0.990 0.986 0.988 1.008 1.008 0.996 0.996 0.974 1.009 1.009 0.960 0.955 0.952 0.953 0.960 0.701 0.706 0.960 0.955 0.953 0.960 0.960 0.955 0.953	0.982 0.978 0.980 1.000 s (06) 2006 0.987 0.965 0.992 0.991 -1.000 0.951 0.946 0.943 0.944 0.951 rs (08), Lo	0.974 0.970 0.972 0.992 2007 0.987 0.985 0.992 0.991 1.000 - 0.951 0.946 0.943 0.944 0.951 0.965 0.992 1.000	0.987 0.989 1.009 1.038 1.015 1.043 1.042 1.052 1.052 	- 0.996 0.998 1.018 2009 1.043 1.020 1.048 1.047 1.057 1.057 1.005 - 0.997 0.998 1.005	1.004 - 1.002 1.002 1.022  2010 1.046 1.046 1.023 1.052 1.051 1.060 1.060 1.008 1.003 - 1.001 1.008  2010 1.070 1.073 1.077 1.063	1.002 0.998 - 1.020 2011 1.045 1.022 1.051 1.059 1.007 1.002 0.999 - 1.007 1.007 2011 1.065 1.069 1.073 1.059	2012 1.038 1.042 1.052 1.052 1.065 1.065 1.065 1.065 1.065
2009 2010 2011 2012  YEAR TO 2002 2003 2004 2005 2009 2010 2011 2012  YEAR TO 2002 2003 2004 2005 2006	1.013 1.009 1.011 1.031  Rural - Prin YEAR FROM 2002 - 0.978 1.005 1.004 1.013 1.013 0.964 0.959 0.956 0.957 0.964  Rural - Maj YEAR FROM 2002 - 1.003 1.007 0.994 0.989	1.008 1.004 1.006 1.026 1.026 1.027 1.036 1.036 0.985 0.981 0.979 0.985 0r Collector 2003 0.997 - 1.004 0.991 0.986	0.995 0.991 0.993 1.013 als (02), Min 2004 0.995 0.973 0.999 1.008 1.008 0.959 0.954 0.951 0.952 0.959 s (07), Mino 2004 0.993 0.996 - 0.987 0.982	0.990 0.986 0.988 1.008 0.996 0.996 0.974 1.009 1.009 0.960 0.955 0.952 0.953 0.960 0.7 Collecto 2005 1.006 1.009 1.009	0.982 0.978 0.980 1.000 s (06) 2006 0.987 0.965 0.992 0.991 - 1.000 0.951 0.946 0.943 0.944 0.951 rs (08), Lc	0.974 0.970 0.972 0.992 2007 0.987 0.965 0.992 0.991 1.000 - 0.951 0.946 0.943 0.944 0.951 cals (09) 2007 1.004 1.007 1.011 0.998 0.993	0.987 0.989 1.009 1.038 1.015 1.043 1.042 1.052 1.052  0.995 0.992 0.993 1.000 2008 1.074 1.077 1.081 1.067	- 0.996 0.998 1.018 2009 1.043 1.020 1.048 1.057 1.057 1.057 1.005 - 0.997 0.998 1.005	1.004 - 1.002 1.002 1.022  2010 1.046 1.023 1.052 1.051 1.060 1.060 1.008 1.003 - 1.001 1.008  2010 1.070 1.073 1.077 1.063 1.058	1.002 0.998 - 1.020 2011 1.045 1.022 1.051 1.049 1.059 1.007 1.002 0.999 - 1.007 1.007 2011 1.065 1.069 1.073 1.059 1.059	2012 1.038 1.042 1.052 1.095 1.065 1.065 1.073 1.052
2009 2010 2011 2012  YEAR TO 2002 2003 2004 2005 2007 2010 2011 2012  YEAR TO 2002 2003 2004 2005 2006 2007	1.013 1.009 1.011 1.031  Rural - Prin YEAR FROM 2002 - 0.978 1.005 1.004 1.013 1.013 0.964 0.959 0.956 0.957 0.964  Rural - Maj YEAR FROM 2002 - 1.003 1.003 1.007 0.994 0.989 0.996	1.008 1.004 1.006 1.026 1.026 1.028 1.022 - 1.028 1.027 1.036 1.036 0.985 0.981 0.978 0.979 0.985 or Collector 2003 0.997 - 1.004 0.991 0.986 0.993	0.995 0.991 0.993 1.013 als (02), Min 2004 0.995 0.973 - 0.999 1.008 1.008 0.959 0.954 0.951 0.952 0.959 0.959 0.959 0.959 0.959 0.959 0.959 0.959 0.959 0.959 0.959 0.959 0.959 0.959 0.959	0.990 0.986 0.988 1.008 0.996 0.996 0.974 1.001 1.009 0.960 0.955 0.952 0.953 0.960 0.7 Collecto 2005 1.006 1.009 1.009 1.009 1.009	0.982 0.978 0.980 1.000 s (06) 2006 0.987 0.965 0.992 0.991 -1.000 0.951 0.946 0.943 0.944 0.951 rs (08), Lc	0.974 0.970 0.972 0.992 2007 0.987 0.965 0.992 0.991 1.000 - 0.951 0.944 0.951 0.944 0.951 0.944 0.951 0.944 0.951 0.965 0.993 -	0.987 0.989 1.009 1.038 1.015 1.043 1.042 1.052 	- 0.996 0.998 1.018 2009 1.043 1.020 1.048 1.057 1.057 1.005 - 0.997 0.998 1.005 2009 1.065 1.069 1.073 1.059 1.054	1.004 - 1.002 1.002 1.022  2010 1.046 1.023 1.052 1.051 1.060 1.060 1.008 1.003 - 1.001 1.008  2010 1.070 1.073 1.077 1.063 1.058 1.065	1.002 0.998 - 1.020 2011 1.045 1.022 1.051 1.049 1.059 1.007 1.002 0.999 - 1.007 1.007 2011 1.069 1.073 1.059 1.073 1.059 1.059	0.982 0.978 0.980 
2009 2010 2011 2011 2012  YEAR TO 2002 2003 2004 2005 2007 2008 2009 2010 2011 2012  YEAR TO 2002 2003 2004 2005 2006 2007 2008	1.013 1.009 1.011 1.031  Rural - Prin YEAR FROM 2002 - 0.978 1.005 1.004 1.013 1.013 0.964 0.959 0.956 0.957 0.964  Rural - Maj YEAR FROM 2002 - 1.003 1.007 0.994 0.989 0.996 0.931	1.008 1.004 1.006 1.026 1.026 1.028 1.022 - 1.028 1.027 1.036 1.036 0.985 0.981 0.978 0.979 0.985 or Collector 2003 0.997 - 1.004 0.991 0.986 0.993 0.928	0.995 0.991 0.993 1.013 als (02), Min 2004 0.995 0.973 - 0.999 1.008 1.008 0.959 0.954 0.951 0.952 0.959 s (07), Mino 2004 0.993 0.996 - 0.987 0.982 0.989 0.925	0.990 0.986 0.988 1.008 0.996 0.996 0.974 1.001 1.009 1.009 0.960 0.955 0.952 0.953 0.960 0.7 Collecto 2005 1.006 1.009 1.009 1.009 1.009 1.009 1.009 1.009 1.009 1.009 1.009	0.982 0.978 0.980 1.000 s (06) 2006 0.987 0.965 0.992 0.991 - 1.000 0.951 0.946 0.943 0.944 0.951 rs (08), Lo 2006 1.011 1.014 1.018 1.005 - 1.007 0.942	0.974 0.970 0.972 0.992  2007 0.987 0.965 0.992 1.000 - 0.951 0.946 0.943 0.944 0.951 0.946 0.943 0.941 0.951 1.001 1.001 1.007 1.001 1.001 1.0098 0.993	0.987 0.989 1.009 1.009 1.038 1.015 1.043 1.042 1.052 1.052 - 0.995 0.992 0.993 1.000 2008 1.074 1.077 1.081 1.067 1.062 1.070	- 0.996 0.998 1.018 2009 1.043 1.020 1.048 1.057 1.057 1.057 1.005 - 0.997 0.998 1.005	1.004 - 1.002 1.002 1.022  2010 1.046 1.023 1.052 1.051 1.060 1.060 1.008 1.003 - 1.001 1.008  2010 1.070 1.073 1.077 1.063 1.058 1.065 0.996	1.002 0.998 - 1.020 2011 1.045 1.022 1.051 1.049 1.059 1.007 1.002 0.999 - 1.007 1.065 1.069 1.073 1.059 1.073 1.061 0.992	0.982 0.978 0.980 
2009 2010 2011 2011 2012  YEAR TO 2002 2003 2004 2005 2006 2007 2010 2011 2012  YEAR TO 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012	1.013 1.009 1.011 1.031  Rural - Prin YEAR FROM 2002 - 0.978 1.005 1.004 1.013 1.013 0.964 0.959 0.956 0.957 0.964  Rural - Maj YEAR FROM 2002 - 1.003 1.007 0.994 0.989 0.996 0.931 0.939	1.008 1.004 1.006 1.026 1.026 1.028 1.027 1.036 1.036 0.985 0.981 0.978 0.979 0.985 or Collector 2003 0.997 - 1.004 0.991 0.986 0.993 0.928 0.936	0.995 0.991 0.993 1.013 als (02), Min 2004 0.995 0.973 - 0.999 1.008 1.008 0.959 0.954 0.951 0.952 0.959 s (07), Mino 2004 0.993 0.996 - 0.987 0.982 0.989 0.925 0.932	0.990 0.986 0.988 1.008 1.008 0.996 0.996 0.974 1.001 1.009 0.960 0.955 0.952 0.953 0.960 0.7 Collecto 2005 1.006 1.009 1.009 1.013 0.995 1.002 0.937 0.944	0.982 0.978 0.980 1.000 s (06) 2006 0.987 0.965 0.992 0.991 1.000 0.951 0.946 0.943 0.944 0.951 rs (08), Lo 2006 1.011 1.014 1.018 1.005 1.007 0.942 0.949	0.974 0.970 0.972 0.992  2007 0.987 0.965 0.992 0.991 1.000 - 0.951 0.946 0.943 0.944 0.951 2007 1.004 1.007 1.010 0.998 0.993 - 0.993 0.993 0.9942	0.987 0.989 1.009 1.009 1.038 1.015 1.043 1.042 1.052 1.052 - 0.995 0.992 0.993 1.000 2008 1.074 1.077 1.081 1.067 1.062 1.070 -	- 0.996 0.998 1.018 2009 1.043 1.020 1.048 1.047 1.057 1.057 1.005 - 0.997 0.998 1.005 2009 1.065 1.069 1.073 1.054 1.061 0.992	1.004 - 1.002 1.002 1.022  2010 1.046 1.023 1.052 1.051 1.060 1.060 1.008 1.003 - 1.001 1.008  2010 1.070 1.073 1.077 1.063 1.058 1.065 0.996 1.004	1.002 0.998 - 1.020 2011 1.045 1.022 1.051 1.049 1.059 1.007 1.002 0.999 - 1.007 1.065 1.069 1.073 1.054 1.061 0.992 1.000	0.982 0.978 0.980 
2009 2010 2011 2011 2012  YEAR TO 2002 2003 2004 2005 2007 2008 2009 2010 2011 2012  YEAR TO 2002 2003 2004 2005 2006 2007 2008	1.013 1.009 1.011 1.031  Rural - Prin YEAR FROM 2002 - 0.978 1.005 1.004 1.013 1.013 0.964 0.959 0.956 0.957 0.964  Rural - Maj YEAR FROM 2002 - 1.003 1.007 0.994 0.989 0.996 0.931	1.008 1.004 1.006 1.026 1.026 1.028 1.022 - 1.028 1.027 1.036 1.036 0.985 0.981 0.978 0.979 0.985 or Collector 2003 0.997 - 1.004 0.991 0.986 0.993 0.928	0.995 0.991 0.993 1.013 als (02), Min 2004 0.995 0.973 - 0.999 1.008 1.008 0.959 0.954 0.951 0.952 0.959 s (07), Mino 2004 0.993 0.996 - 0.987 0.982 0.989 0.925	0.990 0.986 0.988 1.008 0.996 0.996 0.974 1.001 1.009 1.009 0.960 0.955 0.952 0.953 0.960 0.7 Collecto 2005 1.006 1.009 1.009 1.009 1.009 1.009 1.009 1.009 1.009 1.009 1.009	0.982 0.978 0.980 1.000 s (06) 2006 0.987 0.965 0.992 0.991 - 1.000 0.951 0.946 0.943 0.944 0.951 rs (08), Lo 2006 1.011 1.014 1.018 1.005 - 1.007 0.942	0.974 0.970 0.972 0.992  2007 0.987 0.965 0.992 1.000 - 0.951 0.946 0.943 0.944 0.951 0.946 0.943 0.941 0.951 1.001 1.001 1.007 1.001 1.001 1.0098 0.993	0.987 0.989 1.009 1.009 1.038 1.015 1.043 1.042 1.052 1.052 - 0.995 0.992 0.993 1.000 2008 1.074 1.077 1.081 1.067 1.062 1.070	- 0.996 0.998 1.018 2009 1.043 1.020 1.048 1.057 1.057 1.005 - 0.997 0.998 1.005 2009 1.065 1.069 1.073 1.059 1.054	1.004 - 1.002 1.002 1.022  2010 1.046 1.023 1.052 1.051 1.060 1.060 1.008 1.003 - 1.001 1.008  2010 1.070 1.073 1.077 1.063 1.058 1.065 0.996	1.002 0.998 - 1.020 2011 1.045 1.022 1.051 1.049 1.059 1.007 1.002 0.999 - 1.007 1.065 1.069 1.073 1.059 1.073 1.061 0.992	0.982 0.978 0.980 1.038 1.015 1.043 1.042 1.052 1.052 1.069 1.065 1.069 1.073 1.054 1.065 1.069 1.073 1.054

<sup>\*</sup>Factors in this table are used to adjust previous year AADTs to a more current year for similarly classed roads (e.g. to adjust a 2006 urban interstate AADT to a 2010 equivalent, you would multiply the 2006 AADT by 1.042).