

Axle Correction Factors

Functional Classification	Old Func. Class Code	Year	Year	Year	Year	Year	Year	Year	Year	Year	Year	Year	Year	Year	Year	Year	Year	Year
		1997	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
RURAL																		
Interstate	01	0.39	0.36	0.35	0.35	0.35	0.37	0.347	0.351	0.348	0.341	0.337	0.356	0.345	0.348	0.348	0.334	0.363
Principal Arterial	02	0.41	0.40	0.40	0.41	0.41	0.40	0.389	0.414	0.402	0.393	0.399	0.413	0.403	0.411	0.412	0.379	0.390
Minor Arterial	06	0.44	0.45	0.45	0.45	0.44	0.46	0.447	0.450	0.456	0.449	0.445	0.456	0.451	0.452	0.449	0.408	0.410
Major Collector	07	0.47	0.46	0.47	0.45	0.47	0.47	0.456	0.461	0.468	0.461	0.461	0.469	0.470	0.467	0.469	0.428	0.425
Minor Collector	08	0.47	0.49	0.48	0.47	0.44	0.48	0.460	0.445	0.456	0.445	0.456	0.479	0.478	0.466	0.459	0.418	0.420
Local	09	0.48	0.49	0.47	0.47	0.48	0.48	0.468	0.485	0.473	0.479	0.479	0.473	0.487	0.476	0.468	0.446	0.433
URBAN																		
Interstate	11	0.47	0.40	0.40	0.43	0.44	0.44	0.416	0.415	0.425	0.422	0.424	0.429	0.430	0.428	0.432	0.404	0.413
Freeway and X-way	12	0.44	0.44	0.44	0.45	0.46	0.46	0.441	0.450	0.466	0.457	0.464	0.468	0.461	0.465	0.470	0.423	0.422
Principal Arterial	14	0.47	0.42	0.47	0.47	0.46	0.46	0.462	0.460	0.465	0.466	0.465	0.468	0.469	0.469	0.467	0.429	0.432
Minor Arterial	16	0.48	0.47	0.48	0.48	0.48	0.48	0.479	0.474	0.481	0.480	0.483	0.484	0.482	0.480	0.482	0.437	0.440
Collector	17	0.49	0.48	0.49	0.49	0.49	0.48	0.484	0.480	0.453	0.484	0.484	0.487	0.484	0.482	0.485	0.442	0.442
Local	19	0.49	0.46	0.49	0.49	0.48	0.48	0.490	0.482	0.487	0.462	0.476	0.480	0.459	0.460	0.481	0.421	0.381

	New Functional Class Code	Year 2015	Year 2016	Year 2017	Year 2018
RURAL					
Interstate	R01	0.405	0.424	0.389	0.418
Freeway	R02	0.448	0.432	0.411	0.453
Principal Arterial	R03	0.428	0.418	0.437	0.432
Minor Arterial	R04	0.452	0.449	0.444	0.460
Major Collector	R05	0.467	0.463	0.472	0.469
Minor Collector	R06	0.483	0.472	0.495	0.478
Local	R07	0.482	0.482	0.492	0.488
URBAN					
Interstate	U01	0.459	0.470	0.437	0.470
Freeway	U02	0.469	0.468	0.456	0.470
Principal Arterial	U03	0.461	0.468	0.468	0.432
Minor Arterial	U04	0.475	0.478	0.490	0.479
Major Collector	U05	0.482	0.482	0.492	0.482
Minor Collector	U06	0.482	0.488	0.490	0.488
Local	U07	0.482	0.485	0.469	0.486

The above axle correction factors are calculated using data from the 24 and 48 hour portable vehicle classification counts, and beginning in 2002, a sample equivalent to a short term count from each Automatic Traffic Recorder (ATR) in that functional class. A separate axle correction factor is computed for each functional classification of highway. The factors are developed by computing the total axle impulses from the counter, and dividing them by the total number of vehicles counted. The results are the average number of axles per vehicle. The factors in this table, are used as multipliers, and are the inverse of the calculation.