

DIURNAL DISTRIBUTION OF TRAFFIC

From the database of Automatic Traffic Recorders (ATR) and Weight in Motion (WIM) stations, the hour-by-hour distribution of AADT over the 24- hour period was computed for each Functional Classification. The computations were made separately for weekday and weekend traffic only, and for the total traffic. These tables can be found below.

As previously explained, when the diurnal distribution of traffic on a roadway segment or link is required, it is necessary to find the Traffic Pattern Group (TPG) or Functional Classification to which the roadway segment belongs. Then referring to the aforesaid tables, the hour-by-hour distribution of AADT over the 24-hour period can be obtained for that roadway segment.

Annual Average Hourly Distribution By Factor Group for Weekdays 2024

	1	2	4	5	7	8
0	1.42	0.50	0.22	0.40	0.79	0.26
1	1.18	0.31	0.04	0.24	0.76	0.16
2	1.12	0.28	0.03	0.25	0.90	0.14
3	1.25	0.34	0.04	0.33	1.21	0.13
4	1.74	0.62	0.39	0.69	2.15	0.25
5	3.02	1.60	1.48	1.96	4.02	0.75
6	4.91	3.49	2.73	4.68	5.05	2.42
7	6.21	5.89	6.74	7.04	5.81	5.23
8	5.95	6.31	6.10	6.44	5.43	6.25
9	5.25	5.60	4.92	5.70	5.05	6.61
10	5.12	5.27	4.44	5.43	5.29	6.83
11	5.25	5.84	5.45	5.79	5.50	7.43
12	5.42	6.58	6.38	6.22	5.69	7.89
13	5.61	6.52	6.05	6.27	5.99	7.59
14	6.11	6.85	6.84	6.70	6.27	7.65
15	6.60	7.73	8.45	7.76	7.48	8.14
16	6.85	8.26	9.29	8.43	9.16	8.16
17	6.42	8.09	9.81	7.94	7.23	7.49
18	5.30	6.31	8.19	5.72	4.71	5.47
19	4.31	4.73	5.06	4.12	3.69	4.02
20	3.64	3.68	3.62	3.24	3.24	3.09
21	3.01	2.57	2.20	2.31	2.17	2.13
22	2.43	1.63	0.97	1.45	1.41	1.26
23	1.90	0.98	0.56	0.86	1.01	0.65

Annual Average Hourly Distribution By Factor Group for All Days 2024

	1	2	4	5	7	8
0	1.58	0.66	0.30	0.53	0.89	0.39
1	1.28	0.41	0.07	0.30	0.80	0.25
2	1.18	0.33	0.04	0.27	0.86	0.17
3	1.25	0.35	0.04	0.32	1.09	0.13
4	1.62	0.57	0.38	0.58	1.79	0.22
5	2.62	1.35	1.41	1.58	3.20	0.63
6	4.15	2.89	2.21	3.72	4.20	1.99
7	5.30	4.86	5.45	5.74	5.08	4.38
8	5.38	5.52	5.40	5.73	5.15	5.62
9	5.23	5.45	4.98	5.69	5.41	6.46
10	5.40	5.61	5.09	5.87	5.82	7.04
11	5.62	6.29	6.13	6.35	6.09	7.67
12	5.79	6.99	7.02	6.74	6.32	8.02
13	5.92	6.98	6.75	6.80	6.41	7.76
14	6.27	7.18	7.27	7.08	6.49	7.75
15	6.56	7.76	8.38	7.77	7.45	8.07
16	6.66	8.01	8.85	8.11	8.37	7.94
17	6.30	7.77	9.19	7.65	7.15	7.32
18	5.46	6.33	8.02	5.90	4.87	5.68
19	4.57	4.93	5.07	4.46	3.95	4.38
20	3.89	3.88	3.68	3.50	3.50	3.38
21	3.24	2.81	2.38	2.56	2.39	2.43
22	2.66	1.89	1.19	1.71	1.59	1.52
23	2.08	1.17	0.71	1.03	1.13	0.82

Annual Average Hourly Distribution By Factor Group for Weekends 2024

	1	2	4	5	7	8
0	2.00	1.09	0.50	0.87	1.14	0.68
1	1.58	0.67	0.14	0.47	0.91	0.46
2	1.35	0.47	0.06	0.32	0.82	0.25
3	1.27	0.39	0.05	0.27	0.88	0.15
4	1.37	0.43	0.34	0.34	1.11	0.16
5	1.73	0.73	1.22	0.71	1.51	0.38
6	2.43	1.38	0.77	1.56	2.34	1.12
7	3.25	2.29	1.76	2.84	3.42	2.64
8	4.21	3.61	3.42	4.32	4.64	4.47
9	5.28	5.21	5.26	5.95	6.20	6.37
10	6.14	6.60	7.10	7.19	7.18	7.79
11	6.52	7.51	8.12	7.85	7.53	8.46
12	6.67	8.14	8.90	8.14	7.78	8.53
13	6.64	8.21	8.76	8.14	7.51	8.26
14	6.66	8.06	8.39	7.99	7.04	8.04
15	6.51	7.86	8.13	7.80	7.35	7.97
16	6.35	7.53	7.90	7.44	7.06	7.53
17	6.10	7.11	7.79	6.93	7.04	6.91
18	5.65	6.31	7.58	6.03	5.00	5.88
19	4.96	5.24	5.02	4.92	4.29	4.80
20	4.33	4.22	3.76	3.85	3.50	3.69
21	3.63	3.18	2.57	2.88	2.69	2.72
22	3.02	2.28	1.49	1.99	1.78	1.76
23	2.35	1.46	0.94	1.22	1.28	0.99