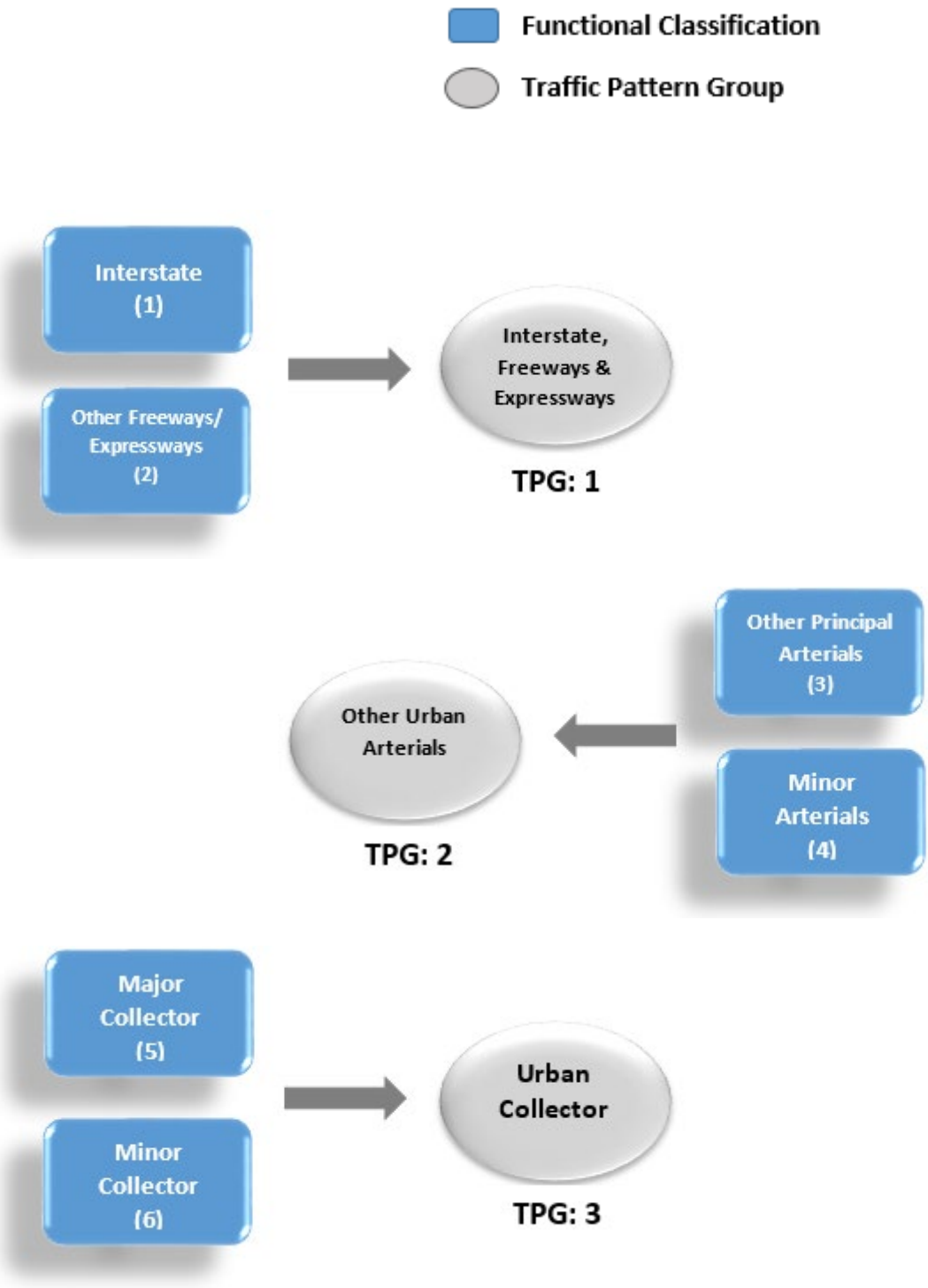
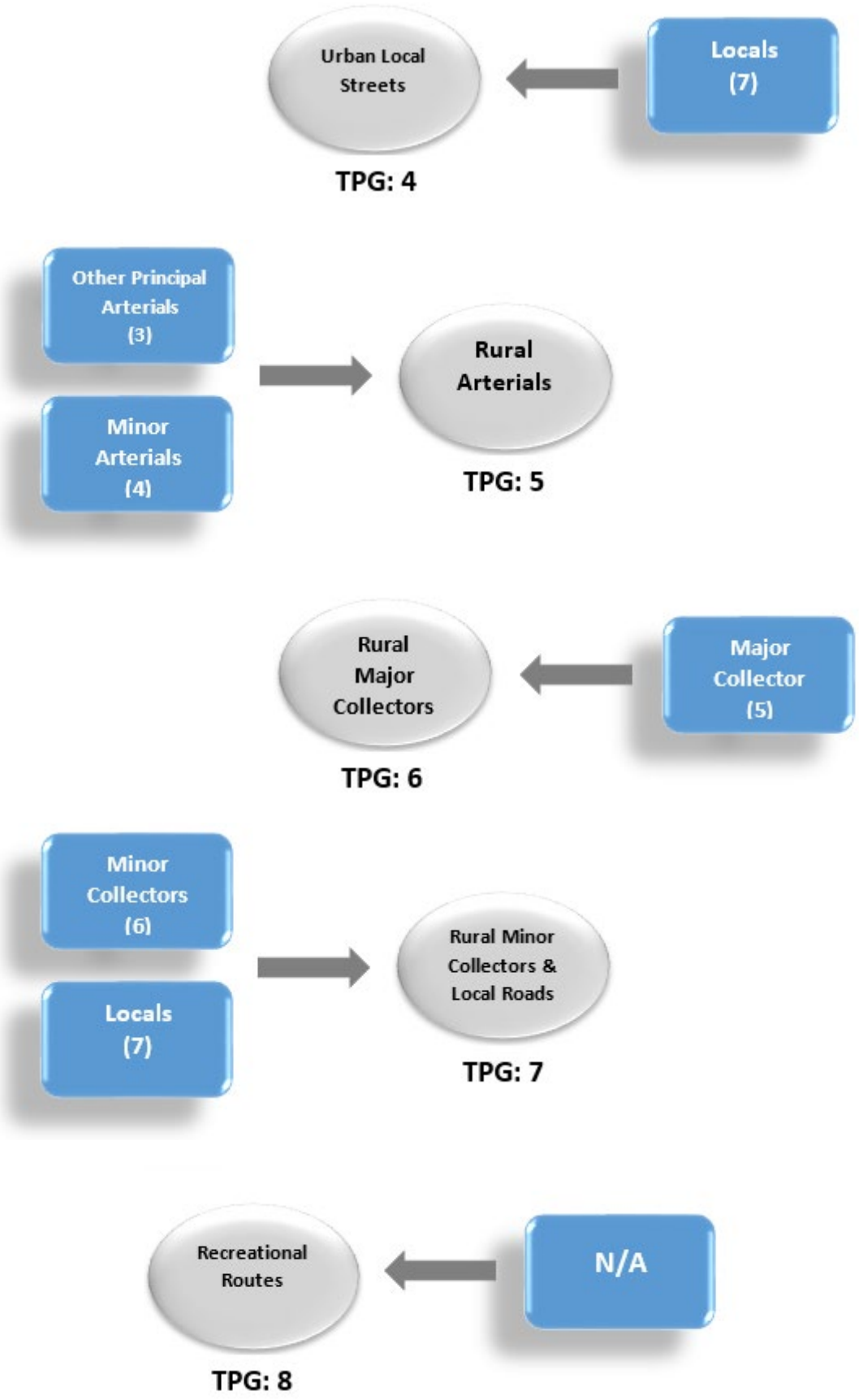
Diurnal Distribution of Traffic

Again from the database of ATR 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.

Relation between Functional Classification and Traffic Pattern Group




Urban Local Streets
Locals (7)
TPG: 4
Other Principal Arterials (3)
Minor Arterials (4)
Rural Arterials
TPG: 5
Rural Major Collectors
Major Collector (5)
TPG: 6
Minor Collectors (6)
Locals (7)
Rural Minor Collectors & Local Roads
TPG: 7
Recreational Routes
N/A
TPG: 8

Delaware DOT

Annual Average Hourly Distribution By Factor Group for Week Days

2021

	1	2	3	5	6	7	8
0	1.14	0.71	0.61	0.68	1.28	0.61	0.64
1	0.82	0.46	0.38	0.51	1.17	0.40	0.45
2	0.74	0.40	0.29	0.52	1.25	0.43	0.38
3	0.85	0.53	0.32	0.68	1.93	0.65	0.41
4	1.38	0.97	0.68	1.03	2.46	1.28	0.77
5	2.76	1.93	1.75	2.11	3.50	3.13	1.66
6	4.91	3.63	4.11	4.57	5.59	4.97	4.17
7	6.19	5.30	7.24	6.58	6.63	6.64	6.44
8	5.81	5.31	5.89	5.84	5.32	6.02	5.93
9	5.23	5.08	4.65	5.60	4.74	5.17	5.71
10	5.30	5.61	4.75	5.94	4.92	5.01	6.10
11	5.55	6.34	5.13	6.32	5.14	5.16	6.33
12	5.76	6.88	5.80	6.53	5.46	5.53	6.53
13	5.89	6.78	5.94	6.64	5.72	5.78	6.58
14	6.36	7.11	7.03	6.97	6.23	6.25	7.03
15	6.94	7.64	7.96	7.53	6.67	7.30	7.76
16	7.17	8.08	9.12	7.88	7.27	8.63	7.87
17	6.85	7.63	8.80	7.10	6.93	8.46	7.14
18	5.52	5.95	6.13	5.10	5.14	6.26	5.11
19	4.42	4.68	4.53	3.82	3.67	4.31	4.25
20	3.63	3.54	3.51	3.04	3.05	3.29	3.26
21	2.87	2.52	2.44	2.27	2.42	2.36	2.52
22	2.21	1.72	1.77	1.61	1.95	1.47	1.83
23	1.69	1.20	1.17	1.13	1.55	0.89	1.10

Delaware DOT

Annual Average Hourly Distribution By Factor Group for Weekends

2021

	1	2	3	5	6	7	8
0	1.67	1.27	1.30	1.03	1.86	1.18	1.07
1	1.17	0.90	0.91	0.71	1.52	0.70	0.82
2	0.89	0.65	0.59	0.60	1.42	0.44	0.56
3	0.79	0.55	0.46	0.56	1.43	0.44	0.40
4	0.90	0.61	0.56	0.64	1.71	0.58	0.44
5	1.30	1.03	1.03	1.06	2.15	1.02	0.81
6	2.09	1.68	1.84	2.05	3.02	1.63	1.88
7	3.00	2.48	2.64	3.33	3.82	2.78	3.07
8	4.09	3.63	4.31	4.68	4.46	4.11	4.28
9	5.32	5.05	5.64	6.25	5.30	5.55	5.80
10	6.37	6.42	6.76	7.36	6.15	6.73	7.09
11	6.92	7.44	7.26	7.88	6.59	7.35	8.13
12	7.11	8.03	7.76	8.05	6.84	7.81	7.96
13	7.06	8.07	7.60	7.92	6.76	7.76	7.78
14	7.00	7.95	7.65	7.69	6.67	7.80	8.04
15	6.94	7.74	7.36	7.50	6.49	7.74	7.78
16	6.74	7.34	7.01	7.01	6.17	7.47	7.27
17	6.46	6.81	6.72	6.28	5.93	6.85	6.39
18	5.98	6.12	5.93	5.43	5.26	5.93	5.58
19	5.14	5.11	5.04	4.47	4.57	5.07	4.76
20	4.41	4.06	4.15	3.55	3.83	4.32	3.96
21	3.62	3.12	3.29	2.71	3.31	3.08	2.93
22	2.90	2.31	2.47	1.93	2.69	2.19	1.97
23	2.11	1.63	1.70	1.31	2.05	1.46	1.19

Delaware DOT

Annual Average Hourly Distribution By Factor Group for All Days

2021

	1	2	3	5	6	7	8
0	1.29	0.86	0.79	0.78	1.42	0.76	0.82
1	0.92	0.58	0.51	0.56	1.24	0.48	0.60
2	0.78	0.47	0.37	0.54	1.29	0.42	0.47
3	0.83	0.53	0.37	0.64	1.80	0.58	0.45
4	1.23	0.86	0.66	0.90	2.25	1.06	0.68
5	2.28	1.64	1.55	1.75	3.11	2.45	1.40
6	3.99	3.03	3.51	3.71	4.87	3.92	3.42
7	5.15	4.45	6.01	5.46	5.86	5.45	5.33
8	5.22	4.79	5.45	5.37	5.05	5.40	5.34
9	5.22	5.04	4.88	5.71	4.85	5.25	5.66
10	5.62	5.82	5.25	6.30	5.22	5.47	6.32
11	5.97	6.63	5.69	6.74	5.52	5.78	6.82
12	6.17	7.18	6.29	6.96	5.84	6.17	6.90
13	6.25	7.14	6.38	7.00	6.01	6.38	6.90
14	6.55	7.34	7.19	7.18	6.34	6.74	7.30
15	6.89	7.66	7.84	7.50	6.67	7.46	7.73
16	6.96	7.83	8.57	7.58	6.99	8.30	7.69
17	6.69	7.37	8.21	6.86	6.67	8.01	6.90
18	5.72	6.04	6.07	5.32	5.22	6.21	5.33
19	4.75	4.87	4.68	4.17	3.93	4.58	4.45
20	3.96	3.75	3.65	3.34	3.26	3.61	3.56
21	3.17	2.77	2.72	2.55	2.70	2.63	2.73
22	2.49	1.96	2.01	1.83	2.19	1.76	1.97
23	1.87	1.38	1.35	1.25	1.69	1.12	1.23