

Table 360
Hourly Percentages Compiled for Truck Traffic

The following four tables and two charts show hourly percentages of truck traffic sorted by Maintenance Functional Class (MFC). These tables are applied separately to raw truck data of less than 24-hours, including both automatic vehicle classification (AVC) and manual counts. Manual classification counts are the primary source of data using these tables. The hourly percentages are calculated from these tables and applied to the sum of the known hour periods and in turn converted to a 24-hour truck total.

The factors were developed using 2,000 AVC counts, collected and verified over the last five years. The raw count data was assigned to the respective Traffic Pattern Group (TPG), the truck data was extracted by vehicle type, and the TDS Statistical Analysis tool generated a summary showing the hourly percentage table by direction (applied to divided roadways). Truck data is tabulated according to MFC. Hourly weekday truck distribution provides evidence that the hourly percentage changes by MFC provide a valid breakdown of groups. Therefore, a summary was produced converting the TPGs to comparable MFC groups to be consistent with the characteristics of the 2017 Hourly Percentages (Truck Traffic) tables.

TPG 1 & 2				TPG 3 & 4			
MAINTENANCE FUNCTIONAL CLASS A (INTERSTATES)				MAINTENANCE FUNCTIONAL CLASS B (PRINCIPAL ARTERIALS)			
HOUR	DIR 1	DIR 2	TOTAL	HOUR	DIR 1	DIR 2	TOTAL
1	1.99%	2.28%	2.20%	1	1.05%	1.22%	1.00%
2	1.73%	2.11%	2.00%	2	0.99%	1.12%	0.93%
3	1.78%	2.08%	2.01%	3	1.06%	1.21%	1.03%
4	1.98%	2.34%	2.24%	4	1.34%	1.55%	1.34%
5	2.44%	2.77%	2.67%	5	1.96%	2.12%	2.00%
6	3.26%	3.56%	3.45%	6	3.50%	3.31%	3.43%
7	4.44%	4.56%	4.43%	7	5.62%	5.16%	5.48%
8	4.86%	4.90%	4.82%	8	6.50%	6.01%	6.55%
9	5.18%	5.12%	5.13%	9	6.85%	6.30%	6.87%
10	5.60%	5.33%	5.43%	10	6.66%	6.36%	6.77%
11	5.88%	5.30%	5.57%	11	6.58%	6.30%	6.73%
12	5.95%	5.34%	5.63%	12	6.61%	6.35%	6.77%
13	5.90%	5.44%	5.65%	13	6.53%	6.45%	6.68%
14	5.84%	5.57%	5.71%	14	6.57%	6.51%	6.73%
15	5.95%	5.72%	5.79%	15	6.75%	6.75%	6.91%
16	6.02%	5.68%	5.75%	16	6.51%	6.64%	6.68%
17	5.67%	5.49%	5.47%	17	5.82%	6.08%	5.85%
18	5.24%	5.09%	5.08%	18	4.94%	5.10%	4.83%
19	4.67%	4.62%	4.58%	19	3.88%	4.08%	3.73%
20	4.01%	4.07%	4.04%	20	2.92%	3.24%	2.83%
21	3.49%	3.63%	3.60%	21	2.40%	2.58%	2.27%
22	3.12%	3.36%	3.28%	22	2.03%	2.23%	1.86%
23	2.70%	3.00%	2.93%	23	1.63%	1.81%	1.50%
24	2.30%	2.64%	2.54%	24	1.30%	1.52%	1.23%
TOTAL	100.00%	100.00%	100.00%	TOTAL	100.00%	100.00%	100.00%

Table 360
Hourly Percentages Compiled for Truck Traffic (Continued)

TPG 5, 6 & 7				TPG 8 & 9			
MAINTENANCE FUNCTIONAL CLASS C (MINOR ARTERIALS)				MAINTENANCE FUNCTIONAL CLASS D, E & F (RURAL COLLECTORS)			
HOUR	DIR 1	DIR 2	TOTAL	HOUR	DIR 1	DIR 2	TOTAL
1	1.01%	1.09%	0.75%	1	1.28%	1.75%	0.86%
2	0.95%	1.06%	0.70%	2	1.09%	1.62%	0.78%
3	1.03%	1.17%	0.77%	3	1.21%	1.76%	0.85%
4	1.26%	1.49%	1.00%	4	1.39%	2.05%	1.08%
5	1.90%	2.09%	1.57%	5	2.00%	2.69%	1.67%
6	3.39%	3.31%	2.96%	6	3.05%	3.81%	3.01%
7	5.63%	5.12%	5.37%	7	5.07%	4.91%	5.36%
8	6.89%	6.09%	7.03%	8	6.29%	5.62%	6.88%
9	7.24%	6.58%	7.22%	9	6.39%	5.91%	7.05%
10	6.79%	6.38%	6.78%	10	6.51%	6.02%	6.69%
11	6.76%	6.29%	6.71%	11	6.58%	5.73%	6.68%
12	6.61%	6.42%	6.80%	12	6.65%	5.92%	6.74%
13	6.73%	6.43%	6.75%	13	6.35%	6.10%	6.74%
14	6.60%	6.54%	6.83%	14	6.57%	5.79%	6.76%
15	6.69%	6.94%	7.21%	15	6.60%	6.03%	7.15%
16	6.75%	6.98%	7.34%	16	6.42%	6.08%	7.35%
17	5.81%	6.41%	6.37%	17	5.87%	5.85%	6.34%
18	4.85%	5.27%	5.18%	18	4.89%	4.97%	5.10%
19	3.78%	4.01%	3.80%	19	4.10%	4.19%	3.75%
20	2.80%	3.02%	2.79%	20	3.24%	3.29%	2.80%
21	2.20%	2.46%	2.16%	21	2.68%	3.02%	2.22%
22	1.77%	1.91%	1.67%	22	2.27%	2.63%	1.73%
23	1.40%	1.66%	1.26%	23	1.90%	2.19%	1.34%
24	1.16%	1.28%	0.98%	24	1.60%	2.07%	1.07%
TOTAL	100.00%	100.00%	100.00%	TOTAL	100.00%	100.00%	100.00%