

Multiplication Factor = 100

| Trips_Petrol | | Type 1 Local Road (50km/h) | | | | | | | | | | | | | | | |
|--------------|-------------|----------------------------|----------|----------|-------------|----------|----------|----------|----------|--------------|------------|----------|----------|----------|----------|----------|---------------|
| Hour | EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| | | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC |
| 0-1 | | 11688 | | 0 | 46 | | | | | 782 | 3 | | | | | | 2768 |
| 1-2 | | 12445 | | 0 | 46 | | | | | 778 | 3 | | | | | | 2732 |
| 2-3 | | 6302 | | 0 | 16 | | | | | 182 | 0 | | | | | | 143 |
| 3-4 | | 6477 | | 0 | 16 | | | | | 182 | 0 | | | | | | 143 |
| 4-5 | | 6477 | | 0 | 12 | | | | | 182 | 0 | | | | | | 143 |
| 5-6 | | 14278 | | 0 | 41 | | | | | 790 | 3 | | | | | | 3065 |
| 6-7 | | 30847 | | 0 | 76 | | | | | 2018 | 7 | | | | | | 11660 |
| 7-8 | | 97884 | | 0 | 192 | | | | | 5406 | 20 | | | | | | 30820 |
| 8-9 | | 108782 | | 0 | 196 | | | | | 5611 | 21 | | | | | | 32593 |
| 9-10 | | 102558 | | 0 | 241 | | | | | 5539 | 20 | | | | | | 29832 |
| 10-11 | | 98636 | | 0 | 256 | | | | | 5119 | 20 | | | | | | 29445 |
| 11-12 | | 94481 | | 0 | 283 | | | | | 4775 | 18 | | | | | | 26939 |
| 12-13 | | 89140 | | 0 | 296 | | | | | 4662 | 17 | | | | | | 24832 |
| 13-14 | | 83605 | | 0 | 304 | | | | | 4648 | 16 | | | | | | 24832 |
| 14-15 | | 85495 | | 0 | 339 | | | | | 4887 | 17 | | | | | | 24832 |
| 15-16 | | 79130 | | 0 | 355 | | | | | 4320 | 16 | | | | | | 23320 |
| 16-17 | | 74285 | | 0 | 367 | | | | | 4215 | 15 | | | | | | 21380 |
| 17-18 | | 62296 | | 0 | 395 | | | | | 4038 | 13 | | | | | | 19999 |
| 18-19 | | 49557 | | 0 | 272 | | | | | 3247 | 11 | | | | | | 15898 |
| 19-20 | | 41378 | | 0 | 226 | | | | | 2548 | 9 | | | | | | 10178 |
| 20-21 | | 34003 | | 0 | 172 | | | | | 2259 | 7 | | | | | | 10035 |
| 21-22 | | 23356 | | 0 | 124 | | | | | 1503 | 6 | | | | | | 6410 |
| 22-23 | | 23194 | | 0 | 111 | | | | | 1498 | 5 | | | | | | 6375 |
| 23-0 | | 16905 | | 0 | 62 | | | | | 958 | 4 | | | | | | 3244 |
| Total | | 1253201 | 0 | 0 | 4444 | 0 | 0 | 0 | 0 | 70146 | 253 | 0 | 0 | 0 | 0 | 0 | 361616 |

| Trips_LPG | | Type 1 Local Road (50km/h) | | | | | | | | | | | | | | | |
|--------------|-------------|----------------------------|--------------|----------|----------|----------|----------|----------|--------------|----------|--------------|----------|----------|----------|----------|----------|----------|
| Hour | EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| | | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC |
| 0-1 | | | 625 | | | | | | 154 | 0 | 457 | | | | | | |
| 1-2 | | | 619 | | | | | | 152 | 0 | 454 | | | | | | |
| 2-3 | | | 262 | | | | | | 3 | 0 | 57 | | | | | | |
| 3-4 | | | 263 | | | | | | 3 | 0 | 57 | | | | | | |
| 4-5 | | | 260 | | | | | | 3 | 0 | 57 | | | | | | |
| 5-6 | | | 614 | | | | | | 152 | 0 | 480 | | | | | | |
| 6-7 | | | 1383 | | | | | | 325 | 0 | 975 | | | | | | |
| 7-8 | | | 4077 | | | | | | 858 | 0 | 2873 | | | | | | |
| 8-9 | | | 4518 | | | | | | 963 | 0 | 3032 | | | | | | |
| 9-10 | | | 5568 | | | | | | 806 | 0 | 2923 | | | | | | |
| 10-11 | | | 6625 | | | | | | 805 | 0 | 2830 | | | | | | |
| 11-12 | | | 5960 | | | | | | 738 | 0 | 2660 | | | | | | |
| 12-13 | | | 5256 | | | | | | 737 | 0 | 2483 | | | | | | |
| 13-14 | | | 5054 | | | | | | 685 | 0 | 2352 | | | | | | |
| 14-15 | | | 5920 | | | | | | 729 | 0 | 2524 | | | | | | |
| 15-16 | | | 5418 | | | | | | 768 | 0 | 2308 | | | | | | |
| 16-17 | | | 5814 | | | | | | 773 | 0 | 2136 | | | | | | |
| 17-18 | | | 5404 | | | | | | 616 | 0 | 1904 | | | | | | |
| 18-19 | | | 4612 | | | | | | 565 | 0 | 1553 | | | | | | |
| 19-20 | | | 3541 | | | | | | 421 | 0 | 1339 | | | | | | |
| 20-21 | | | 3090 | | | | | | 418 | 0 | 1060 | | | | | | |
| 21-22 | | | 1329 | | | | | | 263 | 0 | 823 | | | | | | |
| 22-23 | | | 1216 | | | | | | 262 | 0 | 720 | | | | | | |
| 23-0 | | | 890 | | | | | | 157 | 0 | 537 | | | | | | |
| Total | | 0 | 78319 | 0 | 0 | 0 | 0 | 0 | 11356 | 0 | 36591 | 0 | 0 | 0 | 0 | 0 | 0 |

Note: Trips only account for cold start of petrol and LPG vehicles. There is no cold start for Road type 1 - 3 or 5.

Appendix 3.8 - Trips and VKT for Yr 2017

| VKT (Veh-km) Petrol | | Type 3 Trunk Road (70km/h) | | | | | | | | | | | | | | | |
|---------------------|----------------|----------------------------|----------|-------------|----------|----------|----------|----------|--------------|------------|----------|----------|----------|----------|----------|---------------|--|
| EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | |
| Hour | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 0-1 | 24536 | | 0 | 137 | | | | | 1073 | 5 | | | | | | 2100 | |
| 1-2 | 12567 | | 0 | 69 | | | | | 536 | 2 | | | | | | 1200 | |
| 2-3 | 12567 | | 0 | 69 | | | | | 536 | 2 | | | | | | 900 | |
| 3-4 | 12867 | | 0 | 69 | | | | | 536 | 2 | | | | | | 900 | |
| 4-5 | 12867 | | 0 | 61 | | | | | 536 | 2 | | | | | | 900 | |
| 5-6 | 12867 | | 0 | 61 | | | | | 536 | 2 | | | | | | 900 | |
| 6-7 | 26332 | | 0 | 114 | | | | | 1341 | 5 | | | | | | 1800 | |
| 7-8 | 79893 | | 0 | 351 | | | | | 3754 | 14 | | | | | | 5400 | |
| 8-9 | 80790 | | 0 | 335 | | | | | 3754 | 14 | | | | | | 5400 | |
| 9-10 | 79593 | | 0 | 351 | | | | | 3754 | 14 | | | | | | 5400 | |
| 10-11 | 78097 | | 0 | 366 | | | | | 3754 | 14 | | | | | | 5400 | |
| 11-12 | 76601 | | 0 | 381 | | | | | 3218 | 11 | | | | | | 6000 | |
| 12-13 | 75105 | | 0 | 396 | | | | | 3218 | 11 | | | | | | 6000 | |
| 13-14 | 73908 | | 0 | 411 | | | | | 3218 | 11 | | | | | | 6000 | |
| 14-15 | 72412 | | 0 | 427 | | | | | 3218 | 11 | | | | | | 6000 | |
| 15-16 | 70916 | | 0 | 442 | | | | | 2682 | 9 | | | | | | 6600 | |
| 16-17 | 69420 | | 0 | 457 | | | | | 2682 | 9 | | | | | | 6600 | |
| 17-18 | 67924 | | 0 | 472 | | | | | 2682 | 9 | | | | | | 6600 | |
| 18-19 | 68821 | | 0 | 457 | | | | | 2682 | 9 | | | | | | 6600 | |
| 19-20 | 57750 | | 0 | 373 | | | | | 2414 | 9 | | | | | | 5400 | |
| 20-21 | 46679 | | 0 | 297 | | | | | 1877 | 7 | | | | | | 4200 | |
| 21-22 | 47277 | | 0 | 290 | | | | | 1877 | 7 | | | | | | 4200 | |
| 22-23 | 35907 | | 0 | 213 | | | | | 1341 | 5 | | | | | | 3300 | |
| 23-0 | 36505 | | 0 | 206 | | | | | 1341 | 5 | | | | | | 3300 | |
| Total | 1232201 | 0 | 0 | 6804 | 0 | 0 | 0 | 0 | 52562 | 191 | 0 | 0 | 0 | 0 | 0 | 101100 | |

| VKT (Veh-km) Petrol | | Type 2 Trunk Road (50km/h) | | | | | | | | | | | | | | | |
|---------------------|---------------|----------------------------|------------|-------------|----------|----------|----------|----------|--------------|------------|----------|----------|----------|----------|----------|--------------|--|
| EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | |
| Hour | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 0-1 | 14078 | | 0 | 76 | | | | | 829 | 3 | | | | | | 1113 | |
| 1-2 | 7216 | | 0 | 37 | | | | | 574 | 1 | | | | | | 390 | |
| 2-3 | 7246 | | 0 | 37 | | | | | 521 | 1 | | | | | | 390 | |
| 3-4 | 7299 | | 0 | 35 | | | | | 521 | 1 | | | | | | 390 | |
| 4-5 | 7438 | | 0 | 35 | | | | | 521 | 1 | | | | | | 390 | |
| 5-6 | 7585 | | 0 | 35 | | | | | 501 | 1 | | | | | | 390 | |
| 6-7 | 15575 | | 0 | 65 | | | | | 762 | 3 | | | | | | 898 | |
| 7-8 | 47250 | | 0 | 179 | | | | | 2498 | 8 | | | | | | 2415 | |
| 8-9 | 48030 | | 0 | 175 | | | | | 2498 | 8 | | | | | | 2415 | |
| 9-10 | 47150 | | 0 | 183 | | | | | 2566 | 8 | | | | | | 2415 | |
| 10-11 | 46065 | | 0 | 195 | | | | | 2586 | 9 | | | | | | 2710 | |
| 11-12 | 44883 | | 6 | 206 | | | | | 2389 | 8 | | | | | | 2710 | |
| 12-13 | 43617 | | 6 | 219 | | | | | 2476 | 8 | | | | | | 3005 | |
| 13-14 | 42348 | | 6 | 225 | | | | | 2476 | 8 | | | | | | 3005 | |
| 14-15 | 41081 | | 6 | 238 | | | | | 2563 | 9 | | | | | | 3300 | |
| 15-16 | 39899 | | 12 | 249 | | | | | 2367 | 8 | | | | | | 3300 | |
| 16-17 | 38522 | | 12 | 260 | | | | | 2387 | 8 | | | | | | 3595 | |
| 17-18 | 37373 | | 12 | 268 | | | | | 2454 | 8 | | | | | | 3595 | |
| 18-19 | 38056 | | 12 | 265 | | | | | 2454 | 8 | | | | | | 3595 | |
| 19-20 | 32067 | | 6 | 214 | | | | | 2076 | 7 | | | | | | 2910 | |
| 20-21 | 26332 | | 6 | 169 | | | | | 1727 | 5 | | | | | | 2188 | |
| 21-22 | 26426 | | 6 | 167 | | | | | 1714 | 5 | | | | | | 2188 | |
| 22-23 | 20307 | | 6 | 118 | | | | | 1140 | 4 | | | | | | 1503 | |
| 23-0 | 20537 | | 6 | 118 | | | | | 1140 | 4 | | | | | | 1503 | |
| Total | 706381 | 0 | 102 | 3766 | 0 | 0 | 0 | 0 | 41739 | 135 | 0 | 0 | 0 | 0 | 0 | 50310 | |

| VKT (Veh-km) Petrol | | Type 1 Local Road (50km/h) | | | | | | | | | | | | | | | |
|---------------------|----------------|----------------------------|----------|-------------|----------|----------|----------|----------|---------------|------------|----------|----------|----------|----------|----------|---------------|--|
| EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | |
| Hour | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 0-1 | 26489 | | 0 | 102 | | | | | 2295 | 9 | | | | | | 1163 | |
| 1-2 | 28204 | | 0 | 101 | | | | | 2282 | 9 | | | | | | 1148 | |
| 2-3 | 14283 | | 0 | 36 | | | | | 534 | 1 | | | | | | 60 | |
| 3-4 | 14679 | | 0 | 35 | | | | | 534 | 1 | | | | | | 60 | |
| 4-5 | 14679 | | 0 | 27 | | | | | 534 | 1 | | | | | | 60 | |
| 5-6 | 32358 | | 0 | 91 | | | | | 2317 | 10 | | | | | | 1288 | |
| 6-7 | 69906 | | 0 | 168 | | | | | 5922 | 20 | | | | | | 4898 | |
| 7-8 | 221829 | | 0 | 427 | | | | | 15863 | 58 | | | | | | 12945 | |
| 8-9 | 246525 | | 0 | 434 | | | | | 16466 | 62 | | | | | | 13690 | |
| 9-10 | 232422 | | 0 | 534 | | | | | 16254 | 59 | | | | | | 12530 | |
| 10-11 | 223532 | | 0 | 568 | | | | | 15022 | 58 | | | | | | 12368 | |
| 11-12 | 214117 | | 0 | 629 | | | | | 14012 | 54 | | | | | | 11315 | |
| 12-13 | 202013 | | 0 | 656 | | | | | 13679 | 50 | | | | | | 10430 | |
| 13-14 | 189468 | | 0 | 674 | | | | | 13639 | 48 | | | | | | 10430 | |
| 14-15 | 193752 | | 0 | 753 | | | | | 14341 | 51 | | | | | | 10430 | |
| 15-16 | 179327 | | 0 | 787 | | | | | 12678 | 47 | | | | | | 9795 | |
| 16-17 | 168348 | | 0 | 814 | | | | | 12367 | 43 | | | | | | 8980 | |
| 17-18 | 141179 | | 0 | 876 | | | | | 11849 | 39 | | | | | | 8400 | |
| 18-19 | 112308 | | 0 | 604 | | | | | 9527 | 32 | | | | | | 6678 | |
| 19-20 | 93772 | | 0 | 502 | | | | | 7478 | 27 | | | | | | 4275 | |
| 20-21 | 77060 | | 0 | 383 | | | | | 6628 | 22 | | | | | | 4215 | |
| 21-22 | 52930 | | 0 | 276 | | | | | 4409 | 17 | | | | | | 2693 | |
| 22-23 | 52564 | | 0 | 245 | | | | | 4396 | 15 | | | | | | 2678 | |
| 23-0 | 38311 | | 0 | 138 | | | | | 2811 | 11 | | | | | | 1363 | |
| Total | 2840055 | 0 | 0 | 9859 | 0 | 0 | 0 | 0 | 205838 | 744 | 0 | 0 | 0 | 0 | 0 | 151888 | |

Appendix 3.8 - Trips and VKT for Yr 2017

| VKT (Veh-km) Diesel | | Type 3 Trunk Road (70km/h) | | | | | | | | | | | | | | | |
|---------------------|-------------|----------------------------|----------|---------------|---------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|-------------|--------------|----------|--|
| EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | |
| Hour | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 0-1 | 64 | 0 | 0 | 5263 | 3300 | 600 | 1500 | 266 | 127 | 532 | 600 | 600 | 600 | 0 | 1200 | | |
| 1-2 | 33 | 0 | 0 | 2631 | 1500 | 600 | 900 | 133 | 64 | 266 | 300 | 0 | 0 | 0 | 600 | | |
| 2-3 | 33 | 0 | 0 | 2631 | 1500 | 0 | 600 | 133 | 64 | 266 | 0 | 0 | 0 | 0 | 600 | | |
| 3-4 | 33 | 0 | 0 | 2631 | 1500 | 0 | 600 | 133 | 64 | 266 | 0 | 0 | 0 | 0 | 600 | | |
| 4-5 | 33 | 0 | 0 | 2339 | 1500 | 0 | 600 | 133 | 64 | 266 | 0 | 0 | 0 | 0 | 600 | | |
| 5-6 | 33 | 0 | 0 | 2339 | 1500 | 0 | 600 | 133 | 64 | 266 | 0 | 0 | 0 | 0 | 600 | | |
| 6-7 | 68 | 0 | 0 | 4386 | 2700 | 600 | 1200 | 200 | 159 | 532 | 600 | 600 | 600 | 0 | 1500 | | |
| 7-8 | 207 | 0 | 0 | 13449 | 7800 | 1200 | 3000 | 666 | 446 | 1595 | 1200 | 1200 | 1200 | 0 | 5400 | | |
| 8-9 | 210 | 0 | 0 | 12865 | 7800 | 1200 | 3000 | 666 | 446 | 1595 | 1200 | 1200 | 1200 | 0 | 5400 | | |
| 9-10 | 207 | 0 | 0 | 13449 | 8100 | 1200 | 3600 | 666 | 446 | 1595 | 1200 | 1200 | 1200 | 300 | 5100 | | |
| 10-11 | 203 | 0 | 0 | 14034 | 8400 | 1200 | 3600 | 666 | 446 | 1595 | 1200 | 1200 | 1200 | 300 | 4800 | | |
| 11-12 | 199 | 0 | 0 | 14619 | 8700 | 1800 | 4200 | 799 | 382 | 1329 | 1500 | 1200 | 1200 | 300 | 4500 | | |
| 12-13 | 195 | 0 | 0 | 15204 | 9300 | 1800 | 4800 | 799 | 382 | 1329 | 1500 | 1200 | 1200 | 0 | 3900 | | |
| 13-14 | 192 | 0 | 0 | 15789 | 9300 | 1800 | 4800 | 799 | 382 | 1329 | 1500 | 1200 | 1200 | 0 | 3900 | | |
| 14-15 | 188 | 0 | 0 | 16373 | 9900 | 1800 | 5400 | 799 | 382 | 1329 | 1500 | 1200 | 1200 | 300 | 3300 | | |
| 15-16 | 184 | 0 | 0 | 16958 | 10200 | 2400 | 6000 | 933 | 318 | 1063 | 1800 | 1200 | 1200 | 0 | 3000 | | |
| 16-17 | 180 | 0 | 0 | 17543 | 10500 | 2400 | 6000 | 933 | 318 | 1063 | 1800 | 1200 | 1200 | 300 | 2700 | | |
| 17-18 | 176 | 0 | 0 | 18128 | 10800 | 2400 | 6600 | 933 | 318 | 1063 | 1800 | 1200 | 1200 | 300 | 2400 | | |
| 18-19 | 179 | 0 | 0 | 17543 | 10800 | 2400 | 6600 | 933 | 318 | 1063 | 1800 | 1200 | 1200 | 300 | 2400 | | |
| 19-20 | 150 | 0 | 0 | 14327 | 8700 | 1800 | 5100 | 733 | 286 | 1063 | 1500 | 1200 | 1200 | 0 | 2400 | | |
| 20-21 | 121 | 0 | 0 | 11403 | 6900 | 1200 | 3900 | 600 | 223 | 797 | 900 | 600 | 600 | 0 | 1800 | | |
| 21-22 | 123 | 0 | 0 | 11110 | 6600 | 1200 | 3900 | 600 | 223 | 797 | 900 | 600 | 600 | 0 | 2100 | | |
| 22-23 | 93 | 0 | 0 | 8187 | 4800 | 1200 | 2700 | 466 | 159 | 532 | 900 | 600 | 600 | 0 | 1800 | | |
| 23-0 | 95 | 0 | 0 | 7894 | 4800 | 1200 | 2700 | 466 | 159 | 532 | 900 | 600 | 600 | 0 | 1800 | | |
| Total | 3199 | 0 | 0 | 261096 | 156900 | 30000 | 81900 | 13591 | 6238 | 22063 | 24600 | 19200 | 19200 | 2100 | 62400 | 0 | |

| VKT (Veh-km) Diesel | | Type 2 Trunk Road (50km/h) | | | | | | | | | | | | | | | |
|---------------------|-------------|----------------------------|-------------|---------------|--------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|---------------|----------|--|
| EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | |
| Hour | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 0-1 | 37 | 0 | 0 | 2907 | 1665 | 238 | 703 | 789 | 98 | 307 | 773 | 443 | 443 | 728 | 7300 | | |
| 1-2 | 19 | 0 | 0 | 1406 | 973 | 140 | 378 | 418 | 68 | 127 | 348 | 178 | 178 | 155 | 3918 | | |
| 2-3 | 19 | 0 | 0 | 1406 | 843 | 0 | 298 | 418 | 62 | 117 | 265 | 0 | 0 | 155 | 3633 | | |
| 3-4 | 19 | 0 | 0 | 1343 | 783 | 0 | 238 | 452 | 62 | 117 | 265 | 0 | 0 | 155 | 3670 | | |
| 4-5 | 19 | 0 | 0 | 1343 | 783 | 0 | 238 | 452 | 62 | 117 | 265 | 0 | 0 | 155 | 3670 | | |
| 5-6 | 20 | 0 | 0 | 1343 | 568 | 0 | 238 | 466 | 59 | 117 | 250 | 0 | 0 | 155 | 3670 | | |
| 6-7 | 40 | 0 | 0 | 2485 | 1458 | 238 | 503 | 935 | 90 | 368 | 633 | 443 | 443 | 633 | 7435 | | |
| 7-8 | 123 | 0 | 0 | 6856 | 3985 | 475 | 1540 | 2955 | 297 | 957 | 1765 | 885 | 885 | 1770 | 22353 | | |
| 8-9 | 125 | 0 | 0 | 6720 | 3860 | 475 | 1480 | 3024 | 297 | 957 | 1765 | 885 | 885 | 1770 | 22525 | | |
| 9-10 | 122 | 0 | 0 | 7022 | 4000 | 475 | 1620 | 2893 | 304 | 974 | 1765 | 885 | 983 | 1845 | 22428 | | |
| 10-11 | 120 | 0 | 0 | 7468 | 4355 | 475 | 1680 | 2799 | 307 | 1000 | 1780 | 885 | 983 | 2138 | 22233 | | |
| 11-12 | 117 | 0 | 119 | 7897 | 4758 | 725 | 1950 | 2653 | 284 | 913 | 2003 | 1253 | 1350 | 2038 | 22265 | | |
| 12-13 | 113 | 0 | 119 | 8386 | 5128 | 725 | 2090 | 2497 | 294 | 956 | 2018 | 1253 | 1350 | 1865 | 22183 | | |
| 13-14 | 110 | 0 | 119 | 8630 | 5128 | 725 | 2090 | 2428 | 294 | 956 | 2018 | 1253 | 1350 | 2060 | 22108 | | |
| 14-15 | 107 | 0 | 119 | 9120 | 5498 | 725 | 2230 | 2273 | 304 | 999 | 2033 | 1253 | 1350 | 2233 | 22025 | | |
| 15-16 | 104 | 0 | 238 | 9549 | 5900 | 975 | 2500 | 2126 | 281 | 912 | 2255 | 1620 | 1718 | 1960 | 22058 | | |
| 16-17 | 100 | 0 | 238 | 9995 | 6255 | 975 | 2560 | 2033 | 283 | 938 | 2270 | 1620 | 1718 | 2425 | 21863 | | |
| 17-18 | 97 | 0 | 238 | 10297 | 6395 | 975 | 2700 | 1902 | 291 | 955 | 2270 | 1620 | 1718 | 2523 | 21765 | | |
| 18-19 | 99 | 0 | 238 | 10160 | 6270 | 975 | 2640 | 1971 | 291 | 955 | 2270 | 1620 | 1718 | 2523 | 21936 | | |
| 19-20 | 83 | 0 | 119 | 8206 | 5093 | 725 | 2053 | 1724 | 246 | 784 | 1923 | 1253 | 1350 | 2098 | 18168 | | |
| 20-21 | 68 | 0 | 119 | 6491 | 3765 | 488 | 1588 | 1417 | 205 | 595 | 1385 | 810 | 908 | 1525 | 14553 | | |
| 21-22 | 69 | 0 | 119 | 6418 | 3765 | 488 | 1588 | 1476 | 203 | 588 | 1385 | 810 | 810 | 1135 | 14628 | | |
| 22-23 | 53 | 0 | 119 | 4537 | 2828 | 488 | 1210 | 1141 | 135 | 434 | 1120 | 810 | 810 | 980 | 11003 | | |
| 23-0 | 53 | 0 | 119 | 4522 | 2703 | 488 | 1150 | 1175 | 135 | 434 | 1120 | 810 | 810 | 980 | 11153 | | |
| Total | 1834 | 0 | 2023 | 144504 | 86753 | 11990 | 35260 | 40418 | 4953 | 15577 | 33940 | 20585 | 21755 | 34000 | 368538 | 0 | |

| VKT (Veh-km) Diesel | | Type 1 Local Road (50km/h) | | | | | | | | | | | | | | | |
|---------------------|-------------|----------------------------|----------|---------------|---------------|--------------|--------------|--------------|--------------|--------------|---------------|--------------|---------------|--------------|---------------|----------|--|
| EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | |
| Hour | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 0-1 | 69 | 0 | 0 | 3923 | 1688 | 15 | 413 | 380 | 272 | 1073 | 300 | 15 | 15 | 15 | 2160 | | |
| 1-2 | 73 | 0 | 0 | 3894 | 1673 | 0 | 413 | 374 | 271 | 1067 | 300 | 15 | 15 | 0 | 1713 | | |
| 2-3 | 37 | 0 | 0 | 1372 | 690 | 0 | 263 | 7 | 63 | 133 | 15 | 0 | 0 | 0 | 553 | | |
| 3-4 | 38 | 0 | 0 | 1357 | 690 | 0 | 263 | 7 | 63 | 133 | 15 | 0 | 0 | 0 | 553 | | |
| 4-5 | 38 | 0 | 0 | 1040 | 598 | 0 | 263 | 7 | 63 | 133 | 15 | 0 | 0 | 0 | 553 | | |
| 5-6 | 84 | 0 | 0 | 3479 | 1270 | 0 | 308 | 374 | 275 | 1129 | 300 | 0 | 0 | 0 | 1713 | | |
| 6-7 | 181 | 0 | 0 | 6464 | 4060 | 840 | 2343 | 801 | 703 | 2293 | 2795 | 2625 | 2625 | 15 | 5410 | | |
| 7-8 | 576 | 0 | 0 | 16376 | 9470 | 1680 | 5075 | 2114 | 1882 | 6753 | 6190 | 4090 | 4090 | 4023 | 12100 | | |
| 8-9 | 640 | 0 | 0 | 16671 | 9470 | 1680 | 5300 | 2372 | 1954 | 7126 | 6190 | 4090 | 4090 | 4023 | 12785 | | |
| 9-10 | 603 | 0 | 0 | 20481 | 11978 | 1680 | 5653 | 1985 | 1929 | 6869 | 6840 | 5250 | 6813 | 4023 | 13278 | | |
| 10-11 | 580 | 0 | 0 | 21802 | 12683 | 1928 | 6573 | 1982 | 1783 | 6652 | 7570 | 4715 | 7385 | 8015 | 13173 | | |
| 11-12 | 556 | 0 | 0 | 24131 | 14833 | 2455 | 6650 | 1819 | 1663 | 6251 | 7378 | 5193 | 7065 | 6453 | 13448 | | |
| 12-13 | 524 | 0 | 0 | 25179 | 15590 | 2455 | 6755 | 1815 | 1623 | 5836 | 7378 | 5193 | 6995 | 4718 | 13448 | | |
| 13-14 | 492 | 0 | 0 | 25844 | 16115 | 2455 | 6755 | 1687 | 1619 | 5528 | 6728 | 5193 | 8558 | 4718 | 12868 | | |
| 14-15 | 503 | 0 | 0 | 28887 | 17688 | 2703 | 8028 | 1797 | 1702 | 5933 | 8038 | 5238 | 8843 | 6280 | 14258 | | |
| 15-16 | 466 | 0 | 0 | 30200 | 20155 | 3230 | 8083 | 1891 | 1505 | 5424 | 8425 | 5135 | 8740 | 4718 | 14813 | | |
| 16-17 | 437 | 0 | 0 | 31221 | 20318 | 3230 | 8210 | 1903 | 1468 | 5019 | 8495 | 5135 | 7873 | 5413 | 15270 | | |
| 17-18 | 366 | 0 | 0 | 33619 | 21710 | 3230 | 8210 | 1517 | 1406 | 4475 | 8425 | 5135 | 7873 | 8538 | 14690 | | |
| 18-19 | 292 | 0 | 0 | 23164 | 15483 | 1878 | 5655 | 1392 | 1131 | 3649 | 6953 | 3803 | 5845 | 6975 | 11390 | | |
| 19-20 | 243 | 0 | 0 | 19256 | 11750 | 1630 | 4345 | 1037 | 887 | 3148 | 5968 | 3743 | 5545 | 3850 | 9733 | | |
| 20-21 | 200 | 0 | 0 | 14682 | 10143 | 1615 | 3723 | 1030 | 787 | 2492 | 4833 | 3798 | 5600 | 3835 | 7528 | | |
| 21-22 | 137 | 0 | 0 | 10579 | 6325 | 840 | 2440 | 648 | 523 | 1935 | 3783 | 2353 | 2353 | 710 | 6578 | | |
| 22-23 | 136 | 0 | 0 | 9420 | 4850 | 840 | 2425 | 645 | 522 | 1691 | 3768 | 2353 | 2353 | 710 | 5358 | | |
| 23-0 | 99 | 0 | 0 | 5280 | 3943 | 263 | 1550 | 387 | 334 | 1262 | 2160 | 1235 | 1475 | 710 | 2340 | | |
| Total | 7373 | 0 | 0 | 378321 | 233168 | 34645 | 99690 | 27969 | 24427 | 86002 | 112858 | 74303 | 104148 | 77738 | 205705 | 0 | |

Appendix 3.8 - Trips and VKT for Yr 2017

| VKT (Veh-km) LPG | | Type 3 Trunk Road (70km/h) | | | | | | | | | | | | | | | |
|------------------|-------------|----------------------------|----------|----------|----------|----------|----------|--------------|----------|--------------|----------|----------|----------|----------|----------|----------|----------|
| Hour | EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 0-1 | | 8700 | | | | | | 934 | 0 | 664 | | | | | | | |
| 1-2 | | 4500 | | | | | | 467 | 0 | 332 | | | | | | | |
| 2-3 | | 4500 | | | | | | 467 | 0 | 332 | | | | | | | |
| 3-4 | | 4800 | | | | | | 467 | 0 | 332 | | | | | | | |
| 4-5 | | 4800 | | | | | | 467 | 0 | 332 | | | | | | | |
| 5-6 | | 4800 | | | | | | 467 | 0 | 332 | | | | | | | |
| 6-7 | | 9900 | | | | | | 700 | 0 | 664 | | | | | | | |
| 7-8 | | 31200 | | | | | | 2334 | 0 | 1991 | | | | | | | |
| 8-9 | | 31800 | | | | | | 2334 | 0 | 1991 | | | | | | | |
| 9-10 | | 31200 | | | | | | 2334 | 0 | 1991 | | | | | | | |
| 10-11 | | 30600 | | | | | | 2334 | 0 | 1991 | | | | | | | |
| 11-12 | | 29400 | | | | | | 2801 | 0 | 1659 | | | | | | | |
| 12-13 | | 27900 | | | | | | 2801 | 0 | 1659 | | | | | | | |
| 13-14 | | 26400 | | | | | | 2801 | 0 | 1659 | | | | | | | |
| 14-15 | | 25800 | | | | | | 2801 | 0 | 1659 | | | | | | | |
| 15-16 | | 24300 | | | | | | 3267 | 0 | 1328 | | | | | | | |
| 16-17 | | 23400 | | | | | | 3267 | 0 | 1328 | | | | | | | |
| 17-18 | | 22200 | | | | | | 3267 | 0 | 1328 | | | | | | | |
| 18-19 | | 22800 | | | | | | 3267 | 0 | 1328 | | | | | | | |
| 19-20 | | 19200 | | | | | | 2567 | 0 | 1328 | | | | | | | |
| 20-21 | | 15900 | | | | | | 2100 | 0 | 996 | | | | | | | |
| 21-22 | | 16200 | | | | | | 2100 | 0 | 996 | | | | | | | |
| 22-23 | | 12600 | | | | | | 1634 | 0 | 664 | | | | | | | |
| 23-0 | | 12900 | | | | | | 1634 | 0 | 664 | | | | | | | |
| Total | 0 | 445800 | 0 | 0 | 0 | 0 | 0 | 47609 | 0 | 27547 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| VKT (Veh-km) LPG | | Type 2 Trunk Road (50km/h) | | | | | | | | | | | | | | | |
|------------------|-------------|----------------------------|----------|----------|----------|----------|----------|---------------|----------|--------------|----------|----------|----------|----------|----------|----------|----------|
| Hour | EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 0-1 | | 6363 | | | | | | 2766 | 0 | 383 | | | | | | | |
| 1-2 | | 3178 | | | | | | 1464 | 0 | 159 | | | | | | | |
| 2-3 | | 3068 | | | | | | 1464 | 0 | 147 | | | | | | | |
| 3-4 | | 3143 | | | | | | 1585 | 0 | 147 | | | | | | | |
| 4-5 | | 3208 | | | | | | 1585 | 0 | 147 | | | | | | | |
| 5-6 | | 3223 | | | | | | 1632 | 0 | 147 | | | | | | | |
| 6-7 | | 6710 | | | | | | 3275 | 0 | 459 | | | | | | | |
| 7-8 | | 20253 | | | | | | 10350 | 0 | 1195 | | | | | | | |
| 8-9 | | 20430 | | | | | | 10591 | 0 | 1195 | | | | | | | |
| 9-10 | | 20983 | | | | | | 10132 | 0 | 1216 | | | | | | | |
| 10-11 | | 21693 | | | | | | 9806 | 0 | 1249 | | | | | | | |
| 11-12 | | 21253 | | | | | | 9292 | 0 | 1139 | | | | | | | |
| 12-13 | | 20605 | | | | | | 8748 | 0 | 1193 | | | | | | | |
| 13-14 | | 20250 | | | | | | 8507 | 0 | 1193 | | | | | | | |
| 14-15 | | 20315 | | | | | | 7962 | 0 | 1247 | | | | | | | |
| 15-16 | | 19605 | | | | | | 7449 | 0 | 1138 | | | | | | | |
| 16-17 | | 20240 | | | | | | 7122 | 0 | 1171 | | | | | | | |
| 17-18 | | 19960 | | | | | | 6663 | 0 | 1192 | | | | | | | |
| 18-19 | | 20138 | | | | | | 6904 | 0 | 1192 | | | | | | | |
| 19-20 | | 16548 | | | | | | 6039 | 0 | 979 | | | | | | | |
| 20-21 | | 13593 | | | | | | 4963 | 0 | 743 | | | | | | | |
| 21-22 | | 12293 | | | | | | 5169 | 0 | 734 | | | | | | | |
| 22-23 | | 9448 | | | | | | 3997 | 0 | 542 | | | | | | | |
| 23-0 | | 9560 | | | | | | 4117 | 0 | 542 | | | | | | | |
| Total | 0 | 336053 | 0 | 0 | 0 | 0 | 0 | 141582 | 0 | 19449 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| VKT (Veh-km) LPG | | Type 1 Local Road (50km/h) | | | | | | | | | | | | | | | |
|------------------|-------------|----------------------------|----------|----------|----------|----------|----------|--------------|----------|---------------|----------|----------|----------|----------|----------|----------|----------|
| Hour | EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 0-1 | | 7400 | | | | | | 1332 | 0 | 1340 | | | | | | | |
| 1-2 | | 7325 | | | | | | 1309 | 0 | 1332 | | | | | | | |
| 2-3 | | 3103 | | | | | | 23 | 0 | 166 | | | | | | | |
| 3-4 | | 3118 | | | | | | 23 | 0 | 166 | | | | | | | |
| 4-5 | | 3073 | | | | | | 23 | 0 | 166 | | | | | | | |
| 5-6 | | 7275 | | | | | | 1309 | 0 | 1409 | | | | | | | |
| 6-7 | | 16378 | | | | | | 2806 | 0 | 2863 | | | | | | | |
| 7-8 | | 48273 | | | | | | 7406 | 0 | 8431 | | | | | | | |
| 8-9 | | 53490 | | | | | | 8308 | 0 | 8897 | | | | | | | |
| 9-10 | | 65923 | | | | | | 6955 | 0 | 8577 | | | | | | | |
| 10-11 | | 78435 | | | | | | 6943 | 0 | 8305 | | | | | | | |
| 11-12 | | 70560 | | | | | | 6371 | 0 | 7805 | | | | | | | |
| 12-13 | | 62223 | | | | | | 6360 | 0 | 7286 | | | | | | | |
| 13-14 | | 59830 | | | | | | 5908 | 0 | 6902 | | | | | | | |
| 14-15 | | 70090 | | | | | | 6293 | 0 | 7408 | | | | | | | |
| 15-16 | | 64150 | | | | | | 6624 | 0 | 6772 | | | | | | | |
| 16-17 | | 68828 | | | | | | 6667 | 0 | 6267 | | | | | | | |
| 17-18 | | 63978 | | | | | | 5313 | 0 | 5587 | | | | | | | |
| 18-19 | | 54603 | | | | | | 4876 | 0 | 4557 | | | | | | | |
| 19-20 | | 41925 | | | | | | 3633 | 0 | 3930 | | | | | | | |
| 20-21 | | 36588 | | | | | | 3610 | 0 | 3111 | | | | | | | |
| 21-22 | | 15735 | | | | | | 2270 | 0 | 2416 | | | | | | | |
| 22-23 | | 14400 | | | | | | 2258 | 0 | 2112 | | | | | | | |
| 23-0 | | 10543 | | | | | | 1356 | 0 | 1575 | | | | | | | |
| Total | 0 | 927240 | 0 | 0 | 0 | 0 | 0 | 97976 | 0 | 107380 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Multiplication Factor = 100

| Trips_Petrol | | Type 1 Local Road (50km/h) | | | | | | | | | | | | | | | |
|--------------|-------------|----------------------------|----------|----------|-------------|----------|----------|----------|----------|--------------|------------|----------|----------|----------|----------|----------|---------------|
| Hour | EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| | | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC |
| 0-1 | | 15416 | | 0 | 48 | | | | | 894 | 1 | | | | | | 3006 |
| 1-2 | | 16320 | | 0 | 45 | | | | | 889 | 1 | | | | | | 2970 |
| 2-3 | | 8067 | | 0 | 16 | | | | | 346 | 0 | | | | | | 851 |
| 3-4 | | 8198 | | 0 | 16 | | | | | 346 | 0 | | | | | | 851 |
| 4-5 | | 8382 | | 0 | 16 | | | | | 346 | 0 | | | | | | 1809 |
| 5-6 | | 18461 | | 0 | 36 | | | | | 910 | 2 | | | | | | 3541 |
| 6-7 | | 38634 | | 0 | 84 | | | | | 2423 | 4 | | | | | | 13600 |
| 7-8 | | 124731 | | 0 | 206 | | | | | 6438 | 10 | | | | | | 37825 |
| 8-9 | | 138137 | | 0 | 206 | | | | | 6984 | 10 | | | | | | 40688 |
| 9-10 | | 132128 | | 0 | 248 | | | | | 6875 | 10 | | | | | | 37926 |
| 10-11 | | 126556 | | 0 | 268 | | | | | 6506 | 10 | | | | | | 38385 |
| 11-12 | | 120732 | | 0 | 286 | | | | | 6499 | 9 | | | | | | 33837 |
| 12-13 | | 114254 | | 0 | 302 | | | | | 6445 | 9 | | | | | | 32909 |
| 13-14 | | 106993 | | 0 | 311 | | | | | 6259 | 8 | | | | | | 31135 |
| 14-15 | | 108169 | | 0 | 350 | | | | | 6605 | 9 | | | | | | 31760 |
| 15-16 | | 99553 | | 1 | 358 | | | | | 6607 | 8 | | | | | | 28427 |
| 16-17 | | 92874 | | 1 | 376 | | | | | 6409 | 8 | | | | | | 27832 |
| 17-18 | | 78734 | | 1 | 397 | | | | | 6058 | 7 | | | | | | 24510 |
| 18-19 | | 62035 | | 0 | 287 | | | | | 4532 | 6 | | | | | | 19963 |
| 19-20 | | 52344 | | 0 | 224 | | | | | 3741 | 5 | | | | | | 15481 |
| 20-21 | | 42454 | | 0 | 169 | | | | | 3226 | 4 | | | | | | 11702 |
| 21-22 | | 28895 | | 0 | 125 | | | | | 2167 | 3 | | | | | | 7851 |
| 22-23 | | 29025 | | 0 | 111 | | | | | 2268 | 3 | | | | | | 8738 |
| 23-0 | | 21405 | | 0 | 64 | | | | | 1150 | 2 | | | | | | 4910 |
| Total | | 1592500 | 0 | 3 | 4548 | 0 | 0 | 0 | 0 | 94926 | 130 | 0 | 0 | 0 | 0 | 0 | 460509 |

| Trips_LPG | | Type 1 Local Road (50km/h) | | | | | | | | | | | | | | | |
|--------------|-------------|----------------------------|--------------|----------|----------|----------|----------|----------|--------------|----------|--------------|----------|----------|----------|----------|----------|----------|
| Hour | EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| | | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC |
| 0-1 | | | 753 | | | | | | 156 | 0 | 520 | | | | | | |
| 1-2 | | | 737 | | | | | | 153 | 0 | 518 | | | | | | |
| 2-3 | | | 358 | | | | | | 4 | 0 | 161 | | | | | | |
| 3-4 | | | 358 | | | | | | 4 | 0 | 161 | | | | | | |
| 4-5 | | | 345 | | | | | | 4 | 0 | 149 | | | | | | |
| 5-6 | | | 739 | | | | | | 153 | 0 | 564 | | | | | | |
| 6-7 | | | 1653 | | | | | | 404 | 0 | 1270 | | | | | | |
| 7-8 | | | 4996 | | | | | | 1110 | 0 | 3475 | | | | | | |
| 8-9 | | | 5479 | | | | | | 1120 | 0 | 3750 | | | | | | |
| 9-10 | | | 6544 | | | | | | 963 | 0 | 3616 | | | | | | |
| 10-11 | | | 7594 | | | | | | 969 | 0 | 3602 | | | | | | |
| 11-12 | | | 7047 | | | | | | 889 | 0 | 3270 | | | | | | |
| 12-13 | | | 6238 | | | | | | 826 | 0 | 3139 | | | | | | |
| 13-14 | | | 5995 | | | | | | 773 | 0 | 3003 | | | | | | |
| 14-15 | | | 6907 | | | | | | 825 | 0 | 3281 | | | | | | |
| 15-16 | | | 6325 | | | | | | 797 | 0 | 3043 | | | | | | |
| 16-17 | | | 6813 | | | | | | 793 | 0 | 2850 | | | | | | |
| 17-18 | | | 6385 | | | | | | 636 | 0 | 2610 | | | | | | |
| 18-19 | | | 5238 | | | | | | 578 | 0 | 2032 | | | | | | |
| 19-20 | | | 4103 | | | | | | 433 | 0 | 1797 | | | | | | |
| 20-21 | | | 3534 | | | | | | 422 | 0 | 1331 | | | | | | |
| 21-22 | | | 1604 | | | | | | 275 | 0 | 1049 | | | | | | |
| 22-23 | | | 1498 | | | | | | 272 | 0 | 1049 | | | | | | |
| 23-0 | | | 1034 | | | | | | 160 | 0 | 681 | | | | | | |
| Total | | 0 | 92277 | 0 | 0 | 0 | 0 | 0 | 12719 | 0 | 46922 | 0 | 0 | 0 | 0 | 0 | 0 |

Note: Trips only account for cold start of petrol and LPG vehicles. There is no cold start for Road type 1 - 3 or 5.

Appendix 3.8 - Trips and VKT for Yr 2022

| VKT (Veh-km) Petrol | | Type 3 Trunk Road (70km/h) | | | | | | | | | | | | | | |
|---------------------|----------------|----------------------------|-----------|-------------|----------|----------|----------|----------|--------------|-----------|----------|----------|----------|----------|----------|---------------|
| EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| Hour | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC |
| 0-1 | 30250 | | 0 | 130 | | | | | 1329 | 2 | | | | | | 2700 |
| 1-2 | 15275 | | 0 | 65 | | | | | 532 | 1 | | | | | | 1200 |
| 2-3 | 15574 | | 0 | 65 | | | | | 532 | 1 | | | | | | 1200 |
| 3-4 | 15574 | | 0 | 65 | | | | | 532 | 1 | | | | | | 1200 |
| 4-5 | 15874 | | 0 | 53 | | | | | 532 | 1 | | | | | | 1200 |
| 5-6 | 16173 | | 0 | 53 | | | | | 797 | 1 | | | | | | 1200 |
| 6-7 | 32346 | | 0 | 107 | | | | | 1595 | 2 | | | | | | 2400 |
| 7-8 | 98537 | | 0 | 332 | | | | | 4785 | 7 | | | | | | 6600 |
| 8-9 | 99435 | | 0 | 320 | | | | | 4785 | 7 | | | | | | 6600 |
| 9-10 | 98237 | | 0 | 332 | | | | | 4785 | 7 | | | | | | 6600 |
| 10-11 | 96141 | | 0 | 344 | | | | | 4519 | 7 | | | | | | 7200 |
| 11-12 | 94643 | | 4 | 356 | | | | | 4253 | 6 | | | | | | 7200 |
| 12-13 | 92846 | | 4 | 367 | | | | | 3987 | 6 | | | | | | 7800 |
| 13-14 | 91049 | | 4 | 391 | | | | | 3987 | 6 | | | | | | 7800 |
| 14-15 | 89252 | | 4 | 403 | | | | | 3721 | 6 | | | | | | 8400 |
| 15-16 | 87754 | | 9 | 415 | | | | | 3455 | 5 | | | | | | 8400 |
| 16-17 | 85658 | | 9 | 427 | | | | | 3190 | 5 | | | | | | 9000 |
| 17-18 | 84160 | | 9 | 439 | | | | | 3190 | 5 | | | | | | 9000 |
| 18-19 | 85059 | | 9 | 427 | | | | | 3190 | 5 | | | | | | 9000 |
| 19-20 | 71581 | | 4 | 350 | | | | | 2658 | 4 | | | | | | 7200 |
| 20-21 | 58104 | | 4 | 273 | | | | | 2392 | 3 | | | | | | 5700 |
| 21-22 | 58703 | | 4 | 273 | | | | | 2392 | 3 | | | | | | 5700 |
| 22-23 | 44626 | | 4 | 196 | | | | | 1861 | 2 | | | | | | 3900 |
| 23-0 | 44925 | | 4 | 196 | | | | | 1861 | 2 | | | | | | 3900 |
| Total | 1521775 | 0 | 75 | 6377 | 0 | 0 | 0 | 0 | 64857 | 94 | 0 | 0 | 0 | 0 | 0 | 131100 |

| VKT (Veh-km) Petrol | | Type 2 Trunk Road (50km/h) | | | | | | | | | | | | | | |
|---------------------|---------------|----------------------------|-----------|-------------|----------|----------|----------|----------|--------------|-----------|----------|----------|----------|----------|----------|--------------|
| EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| Hour | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC |
| 0-1 | 17716 | | 1 | 78 | | | | | 1077 | 2 | | | | | | 1363 |
| 1-2 | 9082 | | 0 | 38 | | | | | 569 | 1 | | | | | | 545 |
| 2-3 | 9222 | | 0 | 38 | | | | | 569 | 1 | | | | | | 465 |
| 3-4 | 9290 | | 0 | 33 | | | | | 569 | 1 | | | | | | 465 |
| 4-5 | 9437 | | 0 | 30 | | | | | 569 | 1 | | | | | | 465 |
| 5-6 | 9637 | | 0 | 30 | | | | | 516 | 1 | | | | | | 450 |
| 6-7 | 19568 | | 1 | 60 | | | | | 986 | 1 | | | | | | 973 |
| 7-8 | 59641 | | 2 | 183 | | | | | 2950 | 5 | | | | | | 2725 |
| 8-9 | 60694 | | 2 | 175 | | | | | 2937 | 5 | | | | | | 2725 |
| 9-10 | 59456 | | 2 | 186 | | | | | 2970 | 5 | | | | | | 2850 |
| 10-11 | 58218 | | 2 | 197 | | | | | 3037 | 5 | | | | | | 3020 |
| 11-12 | 56481 | | 3 | 210 | | | | | 2906 | 5 | | | | | | 3270 |
| 12-13 | 55081 | | 3 | 221 | | | | | 2993 | 5 | | | | | | 3565 |
| 13-14 | 53616 | | 3 | 226 | | | | | 3019 | 5 | | | | | | 3565 |
| 14-15 | 52216 | | 3 | 237 | | | | | 3105 | 5 | | | | | | 3860 |
| 15-16 | 50479 | | 4 | 250 | | | | | 2975 | 5 | | | | | | 4110 |
| 16-17 | 48949 | | 4 | 261 | | | | | 3041 | 5 | | | | | | 4280 |
| 17-18 | 47441 | | 4 | 273 | | | | | 3074 | 5 | | | | | | 4405 |
| 18-19 | 48397 | | 4 | 264 | | | | | 3061 | 5 | | | | | | 4405 |
| 19-20 | 40942 | | 3 | 216 | | | | | 2667 | 4 | | | | | | 3580 |
| 20-21 | 33417 | | 2 | 167 | | | | | 2053 | 3 | | | | | | 2653 |
| 21-22 | 33587 | | 2 | 165 | | | | | 2020 | 3 | | | | | | 2593 |
| 22-23 | 25573 | | 2 | 122 | | | | | 1438 | 2 | | | | | | 1908 |
| 23-0 | 26047 | | 2 | 115 | | | | | 1438 | 2 | | | | | | 1908 |
| Total | 894187 | 0 | 48 | 3778 | 0 | 0 | 0 | 0 | 50541 | 81 | 0 | 0 | 0 | 0 | 0 | 60145 |

| VKT (Veh-km) Petrol | | Type 1 Local Road (50km/h) | | | | | | | | | | | | | | |
|---------------------|----------------|----------------------------|----------|--------------|----------|----------|----------|----------|---------------|------------|----------|----------|----------|----------|----------|---------------|
| EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| Hour | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC |
| 0-1 | 34937 | | 0 | 107 | | | | | 2623 | 4 | | | | | | 1263 |
| 1-2 | 36986 | | 0 | 99 | | | | | 2609 | 4 | | | | | | 1248 |
| 2-3 | 18282 | | 0 | 34 | | | | | 1017 | 1 | | | | | | 358 |
| 3-4 | 18579 | | 0 | 34 | | | | | 1017 | 1 | | | | | | 358 |
| 4-5 | 18996 | | 0 | 34 | | | | | 1017 | 1 | | | | | | 760 |
| 5-6 | 41838 | | 0 | 81 | | | | | 2671 | 5 | | | | | | 1488 |
| 6-7 | 87555 | | 0 | 187 | | | | | 7110 | 10 | | | | | | 5713 |
| 7-8 | 282671 | | 0 | 456 | | | | | 18892 | 28 | | | | | | 15888 |
| 8-9 | 313051 | | 0 | 458 | | | | | 20494 | 31 | | | | | | 17090 |
| 9-10 | 299433 | | 0 | 549 | | | | | 20175 | 29 | | | | | | 15930 |
| 10-11 | 286807 | | 0 | 595 | | | | | 19092 | 29 | | | | | | 16123 |
| 11-12 | 273609 | | 1 | 634 | | | | | 19072 | 27 | | | | | | 14213 |
| 12-13 | 258928 | | 1 | 669 | | | | | 18912 | 26 | | | | | | 13823 |
| 13-14 | 242473 | | 1 | 691 | | | | | 18365 | 24 | | | | | | 13078 |
| 14-15 | 245136 | | 1 | 777 | | | | | 19382 | 27 | | | | | | 13340 |
| 15-16 | 225611 | | 1 | 793 | | | | | 19388 | 25 | | | | | | 11940 |
| 16-17 | 210476 | | 1 | 835 | | | | | 18806 | 23 | | | | | | 11690 |
| 17-18 | 178429 | | 1 | 880 | | | | | 17778 | 21 | | | | | | 10295 |
| 18-19 | 140587 | | 1 | 636 | | | | | 13299 | 17 | | | | | | 8385 |
| 19-20 | 118623 | | 1 | 496 | | | | | 10978 | 15 | | | | | | 6503 |
| 20-21 | 96210 | | 1 | 376 | | | | | 9465 | 11 | | | | | | 4915 |
| 21-22 | 65484 | | 0 | 278 | | | | | 6359 | 9 | | | | | | 3298 |
| 22-23 | 65778 | | 0 | 247 | | | | | 6654 | 9 | | | | | | 3670 |
| 23-0 | 48510 | | 0 | 142 | | | | | 3376 | 6 | | | | | | 2063 |
| Total | 3608988 | 0 | 9 | 10090 | 0 | 0 | 0 | 0 | 278549 | 383 | 0 | 0 | 0 | 0 | 0 | 193425 |

Appendix 3.8 - Trips and VKT for Yr 2022

| VKT (Veh-km) Diesel | | Type 3 Trunk Road (70km/h) | | | | | | | | | | | | | | | | |
|---------------------|-------------|----------------------------|-------------|---------------|---------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|-------------|--------------|----------|--|--|
| EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | | |
| Hour | PC | taxi | LG3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | | |
| 0-1 | 50 | 0 | 0 | 6470 | 3900 | 600 | 2100 | 333 | 171 | 510 | 600 | 600 | 600 | 0 | 1200 | | | |
| 1-2 | 25 | 0 | 0 | 3235 | 2100 | 600 | 1200 | 200 | 68 | 255 | 600 | 0 | 0 | 0 | 600 | | | |
| 2-3 | 26 | 0 | 0 | 3235 | 1800 | 0 | 900 | 133 | 68 | 255 | 0 | 0 | 0 | 0 | 600 | | | |
| 3-4 | 26 | 0 | 0 | 3235 | 1800 | 0 | 600 | 133 | 68 | 255 | 0 | 0 | 0 | 0 | 900 | | | |
| 4-5 | 26 | 0 | 0 | 2647 | 1800 | 0 | 600 | 133 | 68 | 255 | 0 | 0 | 0 | 0 | 900 | | | |
| 5-6 | 27 | 0 | 0 | 2647 | 1800 | 0 | 600 | 133 | 103 | 255 | 0 | 0 | 0 | 0 | 900 | | | |
| 6-7 | 54 | 0 | 0 | 5293 | 3300 | 600 | 1200 | 333 | 205 | 637 | 600 | 600 | 600 | 0 | 2100 | | | |
| 7-8 | 163 | 0 | 0 | 16468 | 9600 | 1200 | 3900 | 933 | 615 | 1784 | 1200 | 1200 | 1200 | 0 | 6300 | | | |
| 8-9 | 165 | 0 | 0 | 15880 | 9600 | 1200 | 3600 | 933 | 615 | 1784 | 1200 | 1200 | 1200 | 0 | 6600 | | | |
| 9-10 | 163 | 0 | 0 | 16468 | 10200 | 1200 | 4200 | 933 | 615 | 1784 | 1200 | 1200 | 1200 | 300 | 6000 | | | |
| 10-11 | 159 | 0 | 0 | 17056 | 10200 | 1200 | 4500 | 933 | 581 | 1784 | 1200 | 1200 | 1200 | 300 | 5700 | | | |
| 11-12 | 157 | 0 | 296 | 17644 | 10800 | 1800 | 5100 | 1066 | 547 | 1529 | 1800 | 1200 | 1200 | 300 | 5100 | | | |
| 12-13 | 154 | 0 | 296 | 18233 | 11400 | 1800 | 5700 | 1066 | 513 | 1529 | 1800 | 1200 | 1200 | 0 | 4500 | | | |
| 13-14 | 151 | 0 | 296 | 19409 | 11400 | 1800 | 5700 | 1066 | 513 | 1529 | 1800 | 1200 | 1200 | 0 | 4500 | | | |
| 14-15 | 148 | 0 | 296 | 19997 | 12000 | 1800 | 6300 | 1066 | 479 | 1529 | 1800 | 1200 | 1200 | 300 | 3900 | | | |
| 15-16 | 146 | 0 | 591 | 20585 | 12600 | 2400 | 6900 | 1199 | 445 | 1274 | 2400 | 1200 | 1200 | 0 | 3300 | | | |
| 16-17 | 142 | 0 | 591 | 21173 | 12600 | 2400 | 7200 | 1199 | 410 | 1274 | 2400 | 1200 | 1200 | 300 | 3000 | | | |
| 17-18 | 140 | 0 | 591 | 21761 | 13200 | 2400 | 7800 | 1199 | 410 | 1274 | 2400 | 1200 | 1200 | 300 | 2400 | | | |
| 18-19 | 141 | 0 | 591 | 21173 | 13200 | 2400 | 7500 | 1199 | 410 | 1274 | 2400 | 1200 | 1200 | 300 | 2700 | | | |
| 19-20 | 119 | 0 | 296 | 17350 | 10500 | 1800 | 6000 | 933 | 342 | 1147 | 1800 | 1200 | 1200 | 0 | 2400 | | | |
| 20-21 | 96 | 0 | 296 | 13527 | 8400 | 1200 | 4500 | 733 | 308 | 892 | 1200 | 600 | 600 | 0 | 2100 | | | |
| 21-22 | 97 | 0 | 296 | 13527 | 8100 | 1200 | 4500 | 733 | 308 | 892 | 1200 | 600 | 600 | 0 | 2400 | | | |
| 22-23 | 74 | 0 | 296 | 9704 | 6000 | 1200 | 3300 | 600 | 239 | 637 | 1200 | 600 | 600 | 0 | 1800 | | | |
| 23-0 | 75 | 0 | 296 | 9704 | 6000 | 1200 | 3000 | 600 | 239 | 637 | 1200 | 600 | 600 | 0 | 2100 | | | |
| Total | 2525 | 0 | 5025 | 316423 | 192300 | 30000 | 96900 | 17788 | 8343 | 24974 | 30000 | 19200 | 19200 | 2100 | 72000 | 0 | | |

| VKT (Veh-km) Diesel | | Type 2 Trunk Road (50km/h) | | | | | | | | | | | | | | | | |
|---------------------|-------------|----------------------------|-------------|---------------|---------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|---------------|----------|--|--|
| EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | | |
| Hour | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | | |
| 0-1 | 29 | 0 | 59 | 3887 | 2220 | 238 | 865 | 1012 | 138 | 441 | 898 | 693 | 693 | 788 | 9623 | | | |
| 1-2 | 15 | 0 | 0 | 1907 | 1238 | 140 | 488 | 546 | 73 | 273 | 348 | 348 | 348 | 340 | 4878 | | | |
| 2-3 | 15 | 0 | 0 | 1907 | 1223 | 140 | 378 | 546 | 73 | 273 | 288 | 155 | 155 | 340 | 4768 | | | |
| 3-4 | 15 | 0 | 0 | 1647 | 1163 | 140 | 298 | 546 | 73 | 273 | 288 | 155 | 155 | 340 | 4828 | | | |
| 4-5 | 16 | 0 | 0 | 1510 | 1163 | 140 | 298 | 580 | 73 | 273 | 288 | 155 | 155 | 340 | 4828 | | | |
| 5-6 | 16 | 0 | 0 | 1510 | 1053 | 0 | 298 | 577 | 66 | 238 | 265 | 140 | 140 | 340 | 4828 | | | |
| 6-7 | 32 | 0 | 59 | 2997 | 1945 | 238 | 585 | 1229 | 127 | 388 | 693 | 633 | 633 | 788 | 9648 | | | |
| 7-8 | 99 | 0 | 118 | 9077 | 5620 | 475 | 1785 | 3801 | 380 | 1244 | 1885 | 1545 | 1545 | 2450 | 29063 | | | |
| 8-9 | 101 | 0 | 118 | 8665 | 5480 | 475 | 1645 | 3894 | 378 | 1238 | 1885 | 1545 | 1545 | 2450 | 29145 | | | |
| 9-10 | 99 | 0 | 118 | 9236 | 5635 | 475 | 1785 | 3719 | 382 | 1244 | 1900 | 1545 | 1545 | 2525 | 29025 | | | |
| 10-11 | 97 | 0 | 118 | 9766 | 6063 | 615 | 1925 | 3553 | 391 | 1286 | 1923 | 1560 | 1658 | 2818 | 28668 | | | |
| 11-12 | 94 | 0 | 197 | 10405 | 6278 | 725 | 2475 | 3377 | 374 | 1239 | 2248 | 1813 | 1910 | 2548 | 29003 | | | |
| 12-13 | 91 | 0 | 197 | 10957 | 6720 | 865 | 2615 | 3198 | 385 | 1281 | 2285 | 1828 | 1925 | 2375 | 28905 | | | |
| 13-14 | 89 | 0 | 197 | 11231 | 6720 | 865 | 2735 | 3060 | 388 | 1281 | 2285 | 1828 | 1925 | 2570 | 28870 | | | |
| 14-15 | 87 | 0 | 197 | 11783 | 7163 | 1005 | 2875 | 2881 | 400 | 1322 | 2323 | 1843 | 1940 | 2743 | 28773 | | | |
| 15-16 | 84 | 0 | 276 | 12422 | 7378 | 1115 | 3425 | 2705 | 383 | 1275 | 2648 | 2095 | 2193 | 2300 | 28908 | | | |
| 16-17 | 81 | 0 | 276 | 12951 | 7805 | 1255 | 3565 | 2539 | 391 | 1317 | 2670 | 2110 | 2208 | 2765 | 28750 | | | |
| 17-18 | 79 | 0 | 276 | 13522 | 7960 | 1255 | 3705 | 2364 | 396 | 1323 | 2685 | 2110 | 2208 | 2863 | 28630 | | | |
| 18-19 | 80 | 0 | 276 | 13111 | 7820 | 1255 | 3565 | 2457 | 394 | 1317 | 2685 | 2110 | 2208 | 2863 | 28713 | | | |
| 19-20 | 68 | 0 | 197 | 10707 | 6310 | 1005 | 2718 | 2163 | 343 | 1137 | 2263 | 1763 | 1860 | 2328 | 23825 | | | |
| 20-21 | 55 | 0 | 138 | 8271 | 5033 | 628 | 2150 | 1759 | 264 | 899 | 1608 | 1195 | 1293 | 1880 | 19143 | | | |
| 21-22 | 56 | 0 | 138 | 8190 | 4953 | 628 | 2090 | 1865 | 260 | 893 | 1593 | 1195 | 1195 | 1490 | 19025 | | | |
| 22-23 | 42 | 0 | 138 | 6073 | 3538 | 488 | 1653 | 1430 | 185 | 620 | 1305 | 1040 | 1040 | 1150 | 14430 | | | |
| 23-0 | 43 | 0 | 138 | 5720 | 3398 | 488 | 1573 | 1489 | 185 | 614 | 1305 | 1040 | 1040 | 1150 | 14518 | | | |
| Total | 1483 | 0 | 3232 | 187450 | 113873 | 14650 | 45490 | 51291 | 6502 | 21688 | 38558 | 30440 | 31610 | 42540 | 480988 | 0 | | |

| VKT (Veh-km) Diesel | | Type 1 Local Road (50km/h) | | | | | | | | | | | | | | | | |
|---------------------|-------------|----------------------------|------------|---------------|---------------|--------------|---------------|--------------|--------------|---------------|---------------|--------------|---------------|--------------|---------------|----------|--|--|
| EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | | |
| Hour | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | | |
| 0-1 | 58 | 0 | 0 | 5306 | 2488 | 240 | 1483 | 384 | 337 | 1131 | 648 | 300 | 300 | 15 | 2205 | | | |
| 1-2 | 61 | 0 | 0 | 4923 | 2388 | 225 | 1468 | 377 | 336 | 1124 | 633 | 300 | 300 | 0 | 2115 | | | |
| 2-3 | 30 | 0 | 0 | 1708 | 900 | 0 | 308 | 10 | 131 | 349 | 60 | 15 | 15 | 0 | 568 | | | |
| 3-4 | 31 | 0 | 0 | 1708 | 900 | 0 | 308 | 10 | 131 | 349 | 60 | 15 | 15 | 0 | 568 | | | |
| 4-5 | 32 | 0 | 0 | 1708 | 805 | 0 | 263 | 10 | 131 | 323 | 15 | 15 | 15 | 0 | 568 | | | |
| 5-6 | 69 | 0 | 0 | 4017 | 1953 | 225 | 1468 | 377 | 344 | 1226 | 633 | 300 | 300 | 0 | 2955 | | | |
| 6-7 | 145 | 0 | 0 | 9276 | 4705 | 1243 | 2458 | 994 | 915 | 2760 | 3145 | 2850 | 2850 | 15 | 5913 | | | |
| 7-8 | 469 | 0 | 0 | 22631 | 11990 | 2935 | 7625 | 2735 | 2430 | 7550 | 7780 | 5140 | 5140 | 4023 | 15013 | | | |
| 8-9 | 519 | 0 | 0 | 22707 | 11975 | 2935 | 7850 | 2758 | 2636 | 8148 | 8005 | 5140 | 5140 | 4023 | 16065 | | | |
| 9-10 | 497 | 0 | 0 | 27263 | 14933 | 2935 | 8143 | 2372 | 2595 | 7858 | 8700 | 6300 | 7933 | 4023 | 16558 | | | |
| 10-11 | 476 | 0 | 0 | 29532 | 15953 | 2958 | 9255 | 2387 | 2456 | 7826 | 9330 | 6875 | 9305 | 8015 | 16735 | | | |
| 11-12 | 454 | 0 | 44 | 31466 | 18915 | 3445 | 9255 | 2189 | 2453 | 7106 | 9653 | 6698 | 8260 | 6840 | 17335 | | | |
| 12-13 | 430 | 0 | 44 | 33216 | 19913 | 3445 | 9278 | 2034 | 2433 | 6820 | 8848 | 6628 | 8190 | 5105 | 15930 | | | |
| 13-14 | 402 | 0 | 44 | 34287 | 20778 | 3445 | 9300 | 1905 | 2363 | 6525 | 8198 | 6628 | 9753 | 5105 | 15738 | | | |
| 14-15 | 407 | 0 | 44 | 38568 | 23013 | 3468 | 10683 | 2033 | 2493 | 7128 | 9678 | 7203 | 10328 | 6668 | 16755 | | | |
| 15-16 | 374 | 0 | 89 | 39364 | 25080 | 3955 | 10683 | 1964 | 2494 | 6612 | 9775 | 6955 | 10080 | 5493 | 17443 | | | |
| 16-17 | 349 | 0 | 89 | 41423 | 26318 | 3955 | 10683 | 1953 | 2419 | 6193 | 9620 | 6955 | 9213 | 6188 | 16935 | | | |
| 17-18 | 296 | 0 | 89 | 43685 | 27850 | 3955 | 10705 | 1567 | 2287 | 5670 | 9550 | 6955 | 9213 | 9313 | 16375 | | | |
| 18-19 | 233 | 0 | 44 | 31576 | 19918 | 2240 | 7630 | 1424 | 1711 | 4414 | 7838 | 5483 | 7045 | 7363 | 13415 | | | |
| 19-20 | 197 | 0 | 44 | 24621 | 15225 | 1993 | 5608 | 1065 | 1412 | 3903 | 6545 | 4653 | 6215 | 4238 | 10620 | | | |
| 20-21 | 160 | 0 | 44 | 18637 | 12410 | 1978 | 4473 | 1040 | 1218 | 2892 | 5155 | 4678 | 6240 | 4223 | 8945 | | | |
| 21-22 | 109 | 0 | 0 | 13785 | 7613 | 1243 | 3113 | 676 | 818 | 2280 | 4093 | 2678 | 2678 | 710 | 7273 | | | |
| 22-23 | 109 | 0 | 0 | 12256 | 6330 | 1243 | 3098 | 670 | 856 | 2280 | 4078 | 2663 | 2663 | 710 | 6023 | | | |
| 23-0 | 80 | 0 | 0 | 7026 | 4643 | 263 | 2053 | 394 | 434 | 1480 | 2483 | 2005 | 2005 | 710 | 3508 | | | |
| Total | 5987 | 0 | 576 | 500688 | 296990 | 48320 | 137183 | 31327 | 35833 | 101947 | 134518 | 97428 | 123193 | 82775 | 245553 | 0 | | |

Appendix 3.8 - Trips and VKT for Yr 2022

VKT (Veh-km) LPG

Type 3 Trunk Road (70km/h)

| Hour | EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|--------------|-------------|---------------|----------|----------|----------|----------|----------|--------------|----------|--------------|----------|----------|----------|----------|----------|----------|----------|
| | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 0-1 | | 10500 | | | | | | 1167 | 0 | 688 | | | | | | | |
| 1-2 | | 5400 | | | | | | 700 | 0 | 344 | | | | | | | |
| 2-3 | | 5400 | | | | | | 467 | 0 | 344 | | | | | | | |
| 3-4 | | 6000 | | | | | | 467 | 0 | 344 | | | | | | | |
| 4-5 | | 6000 | | | | | | 467 | 0 | 344 | | | | | | | |
| 5-6 | | 6000 | | | | | | 467 | 0 | 344 | | | | | | | |
| 6-7 | | 12300 | | | | | | 1167 | 0 | 861 | | | | | | | |
| 7-8 | | 38100 | | | | | | 3267 | 0 | 2409 | | | | | | | |
| 8-9 | | 39000 | | | | | | 3267 | 0 | 2409 | | | | | | | |
| 9-10 | | 38100 | | | | | | 3267 | 0 | 2409 | | | | | | | |
| 10-11 | | 37500 | | | | | | 3267 | 0 | 2409 | | | | | | | |
| 11-12 | | 35700 | | | | | | 3734 | 0 | 2065 | | | | | | | |
| 12-13 | | 33900 | | | | | | 3734 | 0 | 2065 | | | | | | | |
| 13-14 | | 32400 | | | | | | 3734 | 0 | 2065 | | | | | | | |
| 14-15 | | 31500 | | | | | | 3734 | 0 | 2065 | | | | | | | |
| 15-16 | | 29400 | | | | | | 4201 | 0 | 1721 | | | | | | | |
| 16-17 | | 28500 | | | | | | 4201 | 0 | 1721 | | | | | | | |
| 17-18 | | 27000 | | | | | | 4201 | 0 | 1721 | | | | | | | |
| 18-19 | | 27900 | | | | | | 4201 | 0 | 1721 | | | | | | | |
| 19-20 | | 23700 | | | | | | 3267 | 0 | 1549 | | | | | | | |
| 20-21 | | 19500 | | | | | | 2567 | 0 | 1205 | | | | | | | |
| 21-22 | | 19800 | | | | | | 2567 | 0 | 1205 | | | | | | | |
| 22-23 | | 15300 | | | | | | 2100 | 0 | 861 | | | | | | | |
| 23-0 | | 15900 | | | | | | 2100 | 0 | 861 | | | | | | | |
| Total | 0 | 544800 | 0 | 0 | 0 | 0 | 0 | 62312 | 0 | 33732 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

VKT (Veh-km) LPG

Type 2 Trunk Road (50km/h)

| Hour | EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|--------------|-------------|---------------|----------|----------|----------|----------|----------|---------------|----------|--------------|----------|----------|----------|----------|----------|----------|----------|
| | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 0-1 | | 8015 | | | | | | 3545 | 0 | 595 | | | | | | | |
| 1-2 | | 4040 | | | | | | 1912 | 0 | 369 | | | | | | | |
| 2-3 | | 3975 | | | | | | 1912 | 0 | 369 | | | | | | | |
| 3-4 | | 4035 | | | | | | 1912 | 0 | 369 | | | | | | | |
| 4-5 | | 4073 | | | | | | 2032 | 0 | 369 | | | | | | | |
| 5-6 | | 4088 | | | | | | 2021 | 0 | 321 | | | | | | | |
| 6-7 | | 8585 | | | | | | 4306 | 0 | 523 | | | | | | | |
| 7-8 | | 25683 | | | | | | 13314 | 0 | 1681 | | | | | | | |
| 8-9 | | 25995 | | | | | | 13641 | 0 | 1672 | | | | | | | |
| 9-10 | | 26548 | | | | | | 13026 | 0 | 1681 | | | | | | | |
| 10-11 | | 27123 | | | | | | 12445 | 0 | 1737 | | | | | | | |
| 11-12 | | 26443 | | | | | | 11830 | 0 | 1674 | | | | | | | |
| 12-13 | | 25720 | | | | | | 11202 | 0 | 1730 | | | | | | | |
| 13-14 | | 25290 | | | | | | 10720 | 0 | 1730 | | | | | | | |
| 14-15 | | 25280 | | | | | | 10092 | 0 | 1786 | | | | | | | |
| 15-16 | | 24330 | | | | | | 9477 | 0 | 1722 | | | | | | | |
| 16-17 | | 24830 | | | | | | 8896 | 0 | 1778 | | | | | | | |
| 17-18 | | 24550 | | | | | | 8281 | 0 | 1787 | | | | | | | |
| 18-19 | | 24788 | | | | | | 8608 | 0 | 1778 | | | | | | | |
| 19-20 | | 20620 | | | | | | 7577 | 0 | 1536 | | | | | | | |
| 20-21 | | 16753 | | | | | | 6161 | 0 | 1215 | | | | | | | |
| 21-22 | | 15453 | | | | | | 6535 | 0 | 1206 | | | | | | | |
| 22-23 | | 11855 | | | | | | 5010 | 0 | 838 | | | | | | | |
| 23-0 | | 11980 | | | | | | 5216 | 0 | 829 | | | | | | | |
| Total | 0 | 420048 | 0 | 0 | 0 | 0 | 0 | 179669 | 0 | 29293 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

VKT (Veh-km) LPG

Type 1 Local Road (50km/h)

| Hour | EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|--------------|-------------|----------------|----------|----------|----------|----------|----------|---------------|----------|---------------|----------|----------|----------|----------|----------|----------|----------|
| | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 0-1 | | 8920 | | | | | | 1344 | 0 | 1527 | | | | | | | |
| 1-2 | | 8730 | | | | | | 1321 | 0 | 1519 | | | | | | | |
| 2-3 | | 4235 | | | | | | 35 | 0 | 472 | | | | | | | |
| 3-4 | | 4235 | | | | | | 35 | 0 | 472 | | | | | | | |
| 4-5 | | 4080 | | | | | | 35 | 0 | 436 | | | | | | | |
| 5-6 | | 8745 | | | | | | 1321 | 0 | 1656 | | | | | | | |
| 6-7 | | 19568 | | | | | | 3483 | 0 | 3727 | | | | | | | |
| 7-8 | | 59153 | | | | | | 9580 | 0 | 10197 | | | | | | | |
| 8-9 | | 64865 | | | | | | 9662 | 0 | 11006 | | | | | | | |
| 9-10 | | 77480 | | | | | | 8308 | 0 | 10613 | | | | | | | |
| 10-11 | | 89910 | | | | | | 8361 | 0 | 10570 | | | | | | | |
| 11-12 | | 83430 | | | | | | 7668 | 0 | 9598 | | | | | | | |
| 12-13 | | 73855 | | | | | | 7124 | 0 | 9212 | | | | | | | |
| 13-14 | | 70973 | | | | | | 6673 | 0 | 8813 | | | | | | | |
| 14-15 | | 81778 | | | | | | 7122 | 0 | 9628 | | | | | | | |
| 15-16 | | 74888 | | | | | | 6881 | 0 | 8931 | | | | | | | |
| 16-17 | | 80655 | | | | | | 6842 | 0 | 8364 | | | | | | | |
| 17-18 | | 75593 | | | | | | 5488 | 0 | 7659 | | | | | | | |
| 18-19 | | 62013 | | | | | | 4986 | 0 | 5962 | | | | | | | |
| 19-20 | | 48578 | | | | | | 3732 | 0 | 5272 | | | | | | | |
| 20-21 | | 41835 | | | | | | 3645 | 0 | 3907 | | | | | | | |
| 21-22 | | 18990 | | | | | | 2369 | 0 | 3079 | | | | | | | |
| 22-23 | | 17740 | | | | | | 2345 | 0 | 3079 | | | | | | | |
| 23-0 | | 12245 | | | | | | 1379 | 0 | 1999 | | | | | | | |
| Total | 0 | 1092490 | 0 | 0 | 0 | 0 | 0 | 109738 | 0 | 137698 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Multiplication Factor = 100

| Trips_Petrol | | Type 1 Local Road (50km/h) | | | | | | | | | | | | | | | |
|--------------|-------------|----------------------------|----------|----------|-------------|----------|----------|----------|----------|--------------|-----------|----------|----------|----------|----------|----------|---------------|
| Hour | EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| | | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC |
| 0-1 | | 15777 | | 0 | 36 | | | | | 882 | 1 | | | | | | 3101 |
| 1-2 | | 16642 | | 0 | 35 | | | | | 878 | 1 | | | | | | 3065 |
| 2-3 | | 8206 | | 0 | 12 | | | | | 342 | 0 | | | | | | 1018 |
| 3-4 | | 8369 | | 0 | 12 | | | | | 342 | 0 | | | | | | 1018 |
| 4-5 | | 8651 | | 0 | 12 | | | | | 342 | 0 | | | | | | 1809 |
| 5-6 | | 19315 | | 0 | 29 | | | | | 899 | 1 | | | | | | 3541 |
| 6-7 | | 39857 | | 0 | 65 | | | | | 2414 | 2 | | | | | | 13969 |
| 7-8 | | 128865 | | 0 | 158 | | | | | 6543 | 5 | | | | | | 38361 |
| 8-9 | | 142865 | | 0 | 162 | | | | | 7082 | 6 | | | | | | 41426 |
| 9-10 | | 136545 | | 0 | 193 | | | | | 6970 | 6 | | | | | | 40045 |
| 10-11 | | 130659 | | 0 | 207 | | | | | 6783 | 6 | | | | | | 39194 |
| 11-12 | | 124514 | | 0 | 223 | | | | | 6772 | 5 | | | | | | 34480 |
| 12-13 | | 118026 | | 0 | 239 | | | | | 6718 | 5 | | | | | | 33611 |
| 13-14 | | 110269 | | 0 | 242 | | | | | 6344 | 5 | | | | | | 31671 |
| 14-15 | | 111788 | | 0 | 276 | | | | | 6859 | 5 | | | | | | 32296 |
| 15-16 | | 103046 | | 0 | 280 | | | | | 6839 | 5 | | | | | | 30248 |
| 16-17 | | 96348 | | 0 | 296 | | | | | 6648 | 5 | | | | | | 28165 |
| 17-18 | | 81612 | | 0 | 312 | | | | | 6125 | 4 | | | | | | 24844 |
| 18-19 | | 64727 | | 0 | 223 | | | | | 4618 | 3 | | | | | | 20296 |
| 19-20 | | 54138 | | 0 | 175 | | | | | 3765 | 3 | | | | | | 17029 |
| 20-21 | | 43902 | | 0 | 138 | | | | | 3185 | 2 | | | | | | 11868 |
| 21-22 | | 30158 | | 0 | 98 | | | | | 2216 | 2 | | | | | | 8017 |
| 22-23 | | 30220 | | 0 | 89 | | | | | 2327 | 2 | | | | | | 8738 |
| 23-0 | | 22318 | | 0 | 52 | | | | | 1224 | 1 | | | | | | 6458 |
| Total | | 1646817 | 0 | 1 | 3562 | 0 | 0 | 0 | 0 | 97115 | 76 | 0 | 0 | 0 | 0 | 0 | 474270 |

| Trips_LPG | | Type 1 Local Road (50km/h) | | | | | | | | | | | | | | | |
|--------------|-------------|----------------------------|--------------|----------|----------|----------|----------|----------|--------------|----------|--------------|----------|----------|----------|----------|----------|----------|
| Hour | EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| | | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC |
| 0-1 | | | 755 | | | | | | 153 | 0 | 564 | | | | | | |
| 1-2 | | | 742 | | | | | | 150 | 0 | 561 | | | | | | |
| 2-3 | | | 358 | | | | | | 4 | 0 | 179 | | | | | | |
| 3-4 | | | 358 | | | | | | 4 | 0 | 179 | | | | | | |
| 4-5 | | | 351 | | | | | | 4 | 0 | 163 | | | | | | |
| 5-6 | | | 800 | | | | | | 150 | 0 | 572 | | | | | | |
| 6-7 | | | 1716 | | | | | | 396 | 0 | 1308 | | | | | | |
| 7-8 | | | 5127 | | | | | | 1090 | 0 | 3591 | | | | | | |
| 8-9 | | | 5658 | | | | | | 1151 | 0 | 3871 | | | | | | |
| 9-10 | | | 6680 | | | | | | 997 | 0 | 3789 | | | | | | |
| 10-11 | | | 7720 | | | | | | 951 | 0 | 3681 | | | | | | |
| 11-12 | | | 7116 | | | | | | 873 | 0 | 3513 | | | | | | |
| 12-13 | | | 6361 | | | | | | 862 | 0 | 3457 | | | | | | |
| 13-14 | | | 6138 | | | | | | 811 | 0 | 3163 | | | | | | |
| 14-15 | | | 7057 | | | | | | 810 | 0 | 3479 | | | | | | |
| 15-16 | | | 6526 | | | | | | 783 | 0 | 3244 | | | | | | |
| 16-17 | | | 6940 | | | | | | 779 | 0 | 3158 | | | | | | |
| 17-18 | | | 6468 | | | | | | 625 | 0 | 2933 | | | | | | |
| 18-19 | | | 5387 | | | | | | 567 | 0 | 2175 | | | | | | |
| 19-20 | | | 4149 | | | | | | 527 | 0 | 1907 | | | | | | |
| 20-21 | | | 3613 | | | | | | 415 | 0 | 1426 | | | | | | |
| 21-22 | | | 1653 | | | | | | 270 | 0 | 1095 | | | | | | |
| 22-23 | | | 1521 | | | | | | 267 | 0 | 1095 | | | | | | |
| 23-0 | | | 1051 | | | | | | 157 | 0 | 696 | | | | | | |
| Total | | 0 | 94245 | 0 | 0 | 0 | 0 | 0 | 12796 | 0 | 49796 | 0 | 0 | 0 | 0 | 0 | 0 |

Note: Trips only account for cold start of petrol vehicles. There is no cold start for Road type 1 - 3 or 5.

Appendix 3.8 - Trips and VKT for Yr 2027

| VKT (Veh-km) Petrol | | Type 3 Trunk Road (70km/h) | | | | | | | | | | | | | | | |
|---------------------|----------------|----------------------------|-----------|-------------|----------|----------|----------|----------|----------|--------------|-----------|----------|----------|----------|----------|----------|---------------|
| Hour | EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 0-1 | 31477 | | 0 | 102 | | | | | | 1312 | 1 | | | | | | 2700 |
| 1-2 | 15889 | | 0 | 49 | | | | | | 787 | 1 | | | | | | 1200 |
| 2-3 | 16188 | | 0 | 49 | | | | | | 787 | 1 | | | | | | 1200 |
| 3-4 | 16188 | | 0 | 49 | | | | | | 787 | 1 | | | | | | 1200 |
| 4-5 | 16488 | | 0 | 49 | | | | | | 787 | 1 | | | | | | 1200 |
| 5-6 | 16788 | | 0 | 49 | | | | | | 787 | 1 | | | | | | 1200 |
| 6-7 | 33576 | | 0 | 89 | | | | | | 1575 | 1 | | | | | | 2400 |
| 7-8 | 101927 | | 0 | 267 | | | | | | 4724 | 4 | | | | | | 8600 |
| 8-9 | 103126 | | 0 | 258 | | | | | | 4724 | 4 | | | | | | 8600 |
| 9-10 | 101327 | | 0 | 267 | | | | | | 4724 | 4 | | | | | | 8600 |
| 10-11 | 99828 | | 0 | 276 | | | | | | 4724 | 4 | | | | | | 7200 |
| 11-12 | 97730 | | 1 | 285 | | | | | | 4199 | 3 | | | | | | 7200 |
| 12-13 | 95931 | | 1 | 294 | | | | | | 4199 | 3 | | | | | | 7800 |
| 13-14 | 94132 | | 1 | 303 | | | | | | 4199 | 3 | | | | | | 7800 |
| 14-15 | 92333 | | 1 | 312 | | | | | | 4199 | 3 | | | | | | 8400 |
| 15-16 | 90235 | | 2 | 321 | | | | | | 3674 | 3 | | | | | | 8400 |
| 16-17 | 88736 | | 2 | 330 | | | | | | 3674 | 3 | | | | | | 9000 |
| 17-18 | 86638 | | 2 | 339 | | | | | | 3674 | 3 | | | | | | 9000 |
| 18-19 | 87837 | | 2 | 330 | | | | | | 3674 | 3 | | | | | | 9000 |
| 19-20 | 73747 | | 1 | 272 | | | | | | 3149 | 2 | | | | | | 7200 |
| 20-21 | 59957 | | 1 | 218 | | | | | | 2624 | 2 | | | | | | 5700 |
| 21-22 | 60556 | | 1 | 209 | | | | | | 2624 | 2 | | | | | | 5700 |
| 22-23 | 45867 | | 1 | 156 | | | | | | 1837 | 1 | | | | | | 3900 |
| 23-0 | 46467 | | 1 | 151 | | | | | | 1837 | 1 | | | | | | 3900 |
| Total | 1572966 | 0 | 20 | 5026 | 0 | 0 | 0 | 0 | 0 | 69282 | 51 | 0 | 0 | 0 | 0 | 0 | 131100 |

| VKT (Veh-km) Petrol | | Type 2 Trunk Road (50km/h) | | | | | | | | | | | | | | | |
|---------------------|---------------|----------------------------|-----------|-------------|----------|----------|----------|----------|----------|--------------|-----------|----------|----------|----------|----------|----------|--------------|
| Hour | EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 0-1 | 18424 | | 0 | 61 | | | | | | 1063 | 1 | | | | | | 1363 |
| 1-2 | 9356 | | 0 | 29 | | | | | | 562 | 1 | | | | | | 545 |
| 2-3 | 9593 | | 0 | 29 | | | | | | 562 | 1 | | | | | | 530 |
| 3-4 | 9586 | | 0 | 29 | | | | | | 562 | 1 | | | | | | 530 |
| 4-5 | 9720 | | 0 | 27 | | | | | | 562 | 1 | | | | | | 530 |
| 5-6 | 10078 | | 0 | 25 | | | | | | 510 | 1 | | | | | | 450 |
| 6-7 | 20228 | | 0 | 48 | | | | | | 1069 | 1 | | | | | | 1098 |
| 7-8 | 61965 | | 0 | 142 | | | | | | 3105 | 3 | | | | | | 2975 |
| 8-9 | 63020 | | 0 | 137 | | | | | | 3092 | 3 | | | | | | 2975 |
| 9-10 | 61586 | | 0 | 145 | | | | | | 3125 | 3 | | | | | | 3035 |
| 10-11 | 60401 | | 0 | 152 | | | | | | 3191 | 3 | | | | | | 3270 |
| 11-12 | 58593 | | 1 | 162 | | | | | | 2965 | 3 | | | | | | 3455 |
| 12-13 | 57066 | | 1 | 171 | | | | | | 3051 | 3 | | | | | | 3750 |
| 13-14 | 55450 | | 1 | 180 | | | | | | 3077 | 3 | | | | | | 3750 |
| 14-15 | 53924 | | 1 | 188 | | | | | | 3162 | 3 | | | | | | 4045 |
| 15-16 | 52115 | | 1 | 199 | | | | | | 2937 | 3 | | | | | | 4230 |
| 16-17 | 50639 | | 1 | 205 | | | | | | 3003 | 3 | | | | | | 4465 |
| 17-18 | 48935 | | 1 | 214 | | | | | | 3035 | 3 | | | | | | 4525 |
| 18-19 | 49892 | | 1 | 209 | | | | | | 3022 | 3 | | | | | | 4525 |
| 19-20 | 42267 | | 1 | 168 | | | | | | 2633 | 2 | | | | | | 3765 |
| 20-21 | 34605 | | 1 | 131 | | | | | | 2027 | 2 | | | | | | 2713 |
| 21-22 | 34683 | | 1 | 128 | | | | | | 1994 | 2 | | | | | | 2713 |
| 22-23 | 26521 | | 1 | 94 | | | | | | 1419 | 1 | | | | | | 1968 |
| 23-0 | 26941 | | 1 | 92 | | | | | | 1419 | 1 | | | | | | 1968 |
| Total | 925585 | 0 | 13 | 2965 | 0 | 0 | 0 | 0 | 0 | 51150 | 46 | 0 | 0 | 0 | 0 | 0 | 63170 |

| VKT (Veh-km) Petrol | | Type 1 Local Road (50km/h) | | | | | | | | | | | | | | | |
|---------------------|----------------|----------------------------|----------|-------------|----------|----------|----------|----------|----------|---------------|------------|----------|----------|----------|----------|----------|---------------|
| Hour | EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 0-1 | 35754 | | 0 | 80 | | | | | | 2589 | 3 | | | | | | 1303 |
| 1-2 | 37715 | | 0 | 78 | | | | | | 2576 | 3 | | | | | | 1288 |
| 2-3 | 18597 | | 0 | 27 | | | | | | 1004 | 1 | | | | | | 428 |
| 3-4 | 18966 | | 0 | 26 | | | | | | 1004 | 1 | | | | | | 428 |
| 4-5 | 19606 | | 0 | 26 | | | | | | 1004 | 1 | | | | | | 760 |
| 5-6 | 43773 | | 0 | 64 | | | | | | 2637 | 3 | | | | | | 1488 |
| 6-7 | 90325 | | 0 | 144 | | | | | | 7083 | 6 | | | | | | 5868 |
| 7-8 | 292040 | | 0 | 350 | | | | | | 19199 | 16 | | | | | | 16113 |
| 8-9 | 323767 | | 0 | 360 | | | | | | 20780 | 17 | | | | | | 17400 |
| 9-10 | 309444 | | 0 | 427 | | | | | | 20452 | 17 | | | | | | 16820 |
| 10-11 | 296104 | | 0 | 460 | | | | | | 19903 | 16 | | | | | | 16463 |
| 11-12 | 282179 | | 0 | 494 | | | | | | 19870 | 16 | | | | | | 14483 |
| 12-13 | 267475 | | 0 | 530 | | | | | | 19713 | 15 | | | | | | 14118 |
| 13-14 | 249895 | | 0 | 538 | | | | | | 18615 | 14 | | | | | | 13303 |
| 14-15 | 253337 | | 0 | 611 | | | | | | 20126 | 16 | | | | | | 13565 |
| 15-16 | 233527 | | 0 | 621 | | | | | | 20069 | 15 | | | | | | 12705 |
| 16-17 | 218348 | | 0 | 656 | | | | | | 19507 | 14 | | | | | | 11830 |
| 17-18 | 184952 | | 0 | 692 | | | | | | 17972 | 13 | | | | | | 10435 |
| 18-19 | 146687 | | 0 | 496 | | | | | | 13550 | 10 | | | | | | 8525 |
| 19-20 | 122689 | | 0 | 388 | | | | | | 11048 | 9 | | | | | | 7153 |
| 20-21 | 99493 | | 0 | 305 | | | | | | 9345 | 6 | | | | | | 4985 |
| 21-22 | 68346 | | 0 | 217 | | | | | | 6502 | 5 | | | | | | 3368 |
| 22-23 | 68486 | | 0 | 197 | | | | | | 6830 | 5 | | | | | | 3670 |
| 23-0 | 50579 | | 0 | 115 | | | | | | 3593 | 3 | | | | | | 2713 |
| Total | 3732083 | 0 | 2 | 7902 | 0 | 0 | 0 | 0 | 0 | 284974 | 223 | 0 | 0 | 0 | 0 | 0 | 199205 |

VKT (Veh-km) Diesel

| EMFAC Index | | Type 3 Trunk Road (70km/h) | | | | | | | | | | | | | | | |
|--------------|-------------|----------------------------|-------------|---------------|---------------|--------------|--------------|--------------|-------------|----------|--------------|--------------|--------------|-------------|--------------|----------|----|
| | | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| Hour | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 0-1 | 23 | 0 | 0 | 6798 | 3900 | 600 | 2100 | 354 | 188 | 0 | 600 | 600 | 600 | 0 | 1500 | | |
| 1-2 | 11 | 0 | 0 | 3251 | 2100 | 600 | 1200 | 213 | 113 | 0 | 600 | 0 | 0 | 0 | 900 | | |
| 2-3 | 12 | 0 | 0 | 3251 | 1800 | 0 | 900 | 142 | 113 | 0 | 0 | 0 | 0 | 0 | 900 | | |
| 3-4 | 12 | 0 | 0 | 3251 | 1800 | 0 | 600 | 142 | 113 | 0 | 0 | 0 | 0 | 0 | 900 | | |
| 4-5 | 12 | 0 | 0 | 3251 | 1800 | 0 | 600 | 142 | 113 | 0 | 0 | 0 | 0 | 0 | 900 | | |
| 5-6 | 12 | 0 | 0 | 3251 | 1800 | 0 | 600 | 142 | 113 | 0 | 0 | 0 | 0 | 0 | 900 | | |
| 6-7 | 24 | 0 | 0 | 5911 | 3600 | 600 | 1200 | 354 | 225 | 0 | 600 | 600 | 600 | 0 | 2100 | | |
| 7-8 | 73 | 0 | 0 | 17733 | 10200 | 1200 | 3900 | 992 | 676 | 0 | 1200 | 1200 | 1200 | 0 | 6600 | | |
| 8-9 | 74 | 0 | 0 | 17142 | 10200 | 1200 | 3600 | 992 | 676 | 0 | 1200 | 1200 | 1200 | 0 | 6600 | | |
| 9-10 | 73 | 0 | 0 | 17733 | 10500 | 1200 | 4200 | 992 | 676 | 0 | 1200 | 1200 | 1200 | 300 | 6000 | | |
| 10-11 | 72 | 0 | 0 | 18324 | 10800 | 1200 | 4500 | 992 | 676 | 0 | 1200 | 1200 | 1200 | 300 | 6000 | | |
| 11-12 | 70 | 0 | 299 | 18915 | 11100 | 1800 | 5100 | 1134 | 601 | 0 | 1800 | 1200 | 1200 | 300 | 5400 | | |
| 12-13 | 69 | 0 | 299 | 19506 | 11700 | 1800 | 5700 | 1134 | 601 | 0 | 1800 | 1200 | 1200 | 0 | 4800 | | |
| 13-14 | 68 | 0 | 299 | 20097 | 11700 | 1800 | 5700 | 1134 | 601 | 0 | 1800 | 1200 | 1200 | 0 | 4800 | | |
| 14-15 | 67 | 0 | 299 | 20688 | 12300 | 1800 | 6300 | 1134 | 601 | 0 | 1800 | 1200 | 1200 | 300 | 4200 | | |
| 15-16 | 65 | 0 | 598 | 21279 | 12600 | 2400 | 6900 | 1275 | 526 | 0 | 2400 | 1200 | 1200 | 0 | 3600 | | |
| 16-17 | 64 | 0 | 598 | 21870 | 12900 | 2400 | 7200 | 1275 | 526 | 0 | 2400 | 1200 | 1200 | 300 | 3600 | | |
| 17-18 | 62 | 0 | 598 | 22461 | 13200 | 2400 | 7800 | 1275 | 526 | 0 | 2400 | 1200 | 1200 | 300 | 3000 | | |
| 18-19 | 63 | 0 | 598 | 21870 | 13200 | 2400 | 7500 | 1275 | 526 | 0 | 2400 | 1200 | 1200 | 300 | 3000 | | |
| 19-20 | 53 | 0 | 299 | 18028 | 10500 | 1800 | 6000 | 992 | 451 | 0 | 1800 | 1200 | 1200 | 0 | 3000 | | |
| 20-21 | 43 | 0 | 299 | 14482 | 8400 | 1200 | 4500 | 779 | 376 | 0 | 1200 | 600 | 600 | 0 | 2400 | | |
| 21-22 | 44 | 0 | 299 | 13891 | 8400 | 1200 | 4500 | 779 | 376 | 0 | 1200 | 600 | 600 | 0 | 2700 | | |
| 22-23 | 33 | 0 | 299 | 10344 | 6000 | 1200 | 3300 | 638 | 263 | 0 | 1200 | 600 | 600 | 0 | 2100 | | |
| 23-0 | 33 | 0 | 299 | 10049 | 6000 | 1200 | 3000 | 638 | 263 | 0 | 1200 | 600 | 600 | 0 | 2100 | | |
| Total | 1134 | 0 | 5980 | 333374 | 196500 | 30000 | 96900 | 18918 | 9918 | 0 | 30000 | 19200 | 19200 | 2100 | 78000 | 0 | |

VKT (Veh-km) Diesel

| EMFAC Index | | Type 2 Trunk Road (50km/h) | | | | | | | | | | | | | | | |
|--------------|------------|----------------------------|-------------|---------------|---------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|---------------|----------|----|
| | | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| Hour | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 0-1 | 13 | 0 | 60 | 4029 | 2430 | 238 | 880 | 1128 | 152 | 481 | 898 | 693 | 693 | 788 | 9903 | | |
| 1-2 | 7 | 0 | 0 | 1931 | 1238 | 140 | 488 | 580 | 80 | 276 | 348 | 348 | 348 | 340 | 5033 | | |
| 2-3 | 7 | 0 | 0 | 1916 | 1223 | 140 | 378 | 580 | 80 | 276 | 288 | 288 | 265 | 340 | 5033 | | |
| 3-4 | 7 | 0 | 0 | 1916 | 1223 | 140 | 378 | 617 | 80 | 276 | 288 | 265 | 265 | 340 | 4938 | | |
| 4-5 | 7 | 0 | 0 | 1763 | 1163 | 140 | 378 | 643 | 80 | 276 | 288 | 265 | 265 | 340 | 4953 | | |
| 5-6 | 7 | 0 | 0 | 1690 | 1053 | 0 | 378 | 694 | 73 | 250 | 265 | 250 | 250 | 340 | 4953 | | |
| 6-7 | 15 | 0 | 60 | 3199 | 1960 | 238 | 680 | 1370 | 153 | 418 | 693 | 633 | 633 | 788 | 9893 | | |
| 7-8 | 45 | 0 | 120 | 9388 | 5650 | 475 | 1975 | 4175 | 445 | 1310 | 1885 | 1765 | 1765 | 2450 | 30083 | | |
| 8-9 | 45 | 0 | 120 | 9083 | 5510 | 475 | 1835 | 4274 | 443 | 1303 | 1885 | 1765 | 1765 | 2450 | 30165 | | |
| 9-10 | 44 | 0 | 120 | 9642 | 5665 | 475 | 1975 | 4101 | 447 | 1319 | 1900 | 1765 | 1863 | 2525 | 30045 | | |
| 10-11 | 44 | 0 | 120 | 10081 | 6093 | 615 | 2115 | 3941 | 457 | 1351 | 1923 | 1780 | 1878 | 2818 | 29828 | | |
| 11-12 | 42 | 0 | 199 | 10768 | 6438 | 725 | 2650 | 3752 | 425 | 1288 | 2248 | 1923 | 2020 | 2703 | 29963 | | |
| 12-13 | 41 | 0 | 199 | 11322 | 6880 | 865 | 2790 | 3592 | 437 | 1330 | 2285 | 1938 | 2035 | 2530 | 29865 | | |
| 13-14 | 40 | 0 | 199 | 11933 | 7130 | 865 | 2910 | 3394 | 440 | 1330 | 2285 | 1938 | 2035 | 2725 | 29520 | | |
| 14-15 | 39 | 0 | 199 | 12487 | 7573 | 1005 | 3050 | 3234 | 453 | 1372 | 2323 | 1953 | 2050 | 2898 | 29423 | | |
| 15-16 | 38 | 0 | 279 | 13174 | 7918 | 1115 | 3585 | 3045 | 420 | 1309 | 2648 | 2095 | 2193 | 2610 | 29558 | | |
| 16-17 | 36 | 0 | 279 | 13612 | 8345 | 1255 | 3725 | 2885 | 430 | 1341 | 2670 | 2110 | 2208 | 3075 | 29340 | | |
| 17-18 | 35 | 0 | 279 | 14171 | 8500 | 1255 | 3865 | 2713 | 435 | 1357 | 2685 | 2110 | 2208 | 3173 | 29220 | | |
| 18-19 | 36 | 0 | 279 | 13866 | 8360 | 1255 | 3725 | 2812 | 433 | 1350 | 2685 | 2110 | 2208 | 3173 | 29303 | | |
| 19-20 | 30 | 0 | 199 | 11144 | 6790 | 1005 | 2813 | 2430 | 377 | 1185 | 2263 | 1763 | 1860 | 2483 | 24475 | | |
| 20-21 | 25 | 0 | 139 | 8711 | 5303 | 628 | 2310 | 2050 | 290 | 929 | 1608 | 1305 | 1403 | 2035 | 19563 | | |
| 21-22 | 25 | 0 | 139 | 8522 | 5238 | 628 | 2170 | 2083 | 286 | 912 | 1593 | 1305 | 1305 | 1645 | 19675 | | |
| 22-23 | 19 | 0 | 139 | 6226 | 3683 | 488 | 1733 | 1616 | 203 | 637 | 1305 | 1040 | 1040 | 1305 | 14880 | | |
| 23-0 | 19 | 0 | 139 | 6103 | 3668 | 488 | 1653 | 1652 | 203 | 630 | 1305 | 1040 | 1040 | 1305 | 14813 | | |
| Total | 667 | 0 | 3267 | 196677 | 119028 | 14650 | 48435 | 57362 | 7322 | 22505 | 38558 | 32420 | 33590 | 45175 | 494418 | 0 | |

VKT (Veh-km) Diesel

| EMFAC Index | | Type 1 Local Road (50km/h) | | | | | | | | | | | | | | | |
|--------------|-------------|----------------------------|------------|---------------|---------------|--------------|---------------|--------------|--------------|---------------|---------------|--------------|---------------|--------------|---------------|----------|----|
| | | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| Hour | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 0-1 | 26 | 0 | 0 | 5332 | 2488 | 240 | 1505 | 408 | 371 | 1246 | 705 | 300 | 300 | 15 | 2205 | | |
| 1-2 | 27 | 0 | 0 | 5189 | 2458 | 225 | 1468 | 401 | 369 | 1240 | 690 | 300 | 300 | 0 | 2130 | | |
| 2-3 | 13 | 0 | 0 | 1773 | 900 | 0 | 308 | 11 | 144 | 396 | 60 | 15 | 15 | 0 | 568 | | |
| 3-4 | 14 | 0 | 0 | 1717 | 900 | 0 | 308 | 11 | 144 | 396 | 60 | 15 | 15 | 0 | 568 | | |
| 4-5 | 14 | 0 | 0 | 1717 | 805 | 0 | 263 | 11 | 144 | 361 | 15 | 15 | 15 | 0 | 568 | | |
| 5-6 | 32 | 0 | 0 | 4273 | 2055 | 225 | 1468 | 401 | 378 | 1265 | 1270 | 300 | 300 | 0 | 3013 | | |
| 6-7 | 65 | 0 | 0 | 9558 | 4990 | 1243 | 2480 | 1058 | 1014 | 2893 | 3145 | 2850 | 2850 | 15 | 5928 | | |
| 7-8 | 210 | 0 | 0 | 23237 | 12080 | 2935 | 7670 | 2909 | 2748 | 7941 | 7895 | 5140 | 5140 | 4023 | 15738 | | |
| 8-9 | 233 | 0 | 0 | 23865 | 12065 | 2935 | 7895 | 3070 | 2975 | 8562 | 8120 | 5140 | 5720 | 4023 | 16790 | | |
| 9-10 | 223 | 0 | 0 | 28330 | 15775 | 2935 | 8350 | 2659 | 2928 | 8379 | 8815 | 6370 | 7933 | 4023 | 16703 | | |
| 10-11 | 213 | 0 | 0 | 30488 | 16465 | 2958 | 9278 | 2538 | 2849 | 8141 | 9445 | 6915 | 9398 | 8015 | 16865 | | |
| 11-12 | 203 | 0 | 45 | 32744 | 19373 | 3445 | 9463 | 2328 | 2845 | 7769 | 9768 | 6738 | 8353 | 6840 | 17480 | | |
| 12-13 | 193 | 0 | 45 | 35160 | 20665 | 3445 | 9463 | 2300 | 2822 | 7646 | 9543 | 6668 | 8283 | 5105 | 16583 | | |
| 13-14 | 180 | 0 | 45 | 35684 | 21460 | 3445 | 9463 | 2163 | 2665 | 6996 | 8893 | 6668 | 9845 | 5105 | 15810 | | |
| 14-15 | 183 | 0 | 45 | 40556 | 24230 | 3468 | 10868 | 2162 | 2881 | 7693 | 9793 | 7283 | 10513 | 6668 | 16813 | | |
| 15-16 | 168 | 0 | 90 | 41184 | 26935 | 3955 | 10845 | 2089 | 2873 | 7174 | 10470 | 7615 | 10845 | 5493 | 17515 | | |
| 16-17 | 157 | 0 | 90 | 43534 | 27368 | 3955 | 11030 | 2077 | 2793 | 6984 | 9735 | 7035 | 9978 | 6188 | 16935 | | |
| 17-18 | 133 | 0 | 90 | 45883 | 29125 | 3955 | 11030 | 1666 | 2573 | 6486 | 10895 | 8195 | 10558 | 9313 | 16375 | | |
| 18-19 | 106 | 0 | 45 | 32884 | 20555 | 2240 | 7955 | 1514 | 1940 | 4811 | 7895 | 5563 | 7810 | 7363 | 13543 | | |
| 19-20 | 88 | 0 | 45 | 25735 | 16443 | 1993 | 5793 | 1407 | 1582 | 4218 | 6603 | 4693 | 6308 | 4238 | 10620 | | |
| 20-21 | 72 | 0 | 45 | 20237 | 12808 | 1978 | 4635 | 1107 | 1338 | 3153 | 5735 | 4718 | 6333 | 4223 | 9525 | | |
| 21-22 | 49 | 0 | 0 | 14371 | 7728 | 1243 | 3113 | 719 | 931 | 2421 | 4150 | 2678 | 2678 | 710 | 7273 | | |
| 22-23 | 49 | 0 | 0 | 13090 | 6445 | 1243 | 3098 | 712 | 978 | 2421 | 4135 | 2663 | 2663 | 710 | 7198 | | |
| 23-0 | 36 | 0 | 0 | 7608 | 5223 | 263 | 2053 | 419 | 514 | 1539 | 2483 | 2045 | 2098 | 710 | 3580 | | |
| Total | 2690 | 0 | 583 | 524150 | 309335 | 48320 | 139795 | 34139 | 40796 | 110130 | 140315 | 99918 | 128245 | 82775 | 250320 | 0 | |

Appendix 3.8 - Trips and VKT for Yr 2027

| VKT (Veh-km) LPG | | Type 3 Trunk Road (70km/h) | | | | | | | | | | | | | | | |
|------------------|----------|----------------------------|----------|----------|----------|----------|----------|--------------|----------|--------------|----------|----------|----------|----------|----------|----------|--|
| EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | |
| Hour | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 0-1 | | 10800 | | | | | | 1146 | 0 | 684 | | | | | | | |
| 1-2 | | 5400 | | | | | | 687 | 0 | 342 | | | | | | | |
| 2-3 | | 6000 | | | | | | 458 | 0 | 342 | | | | | | | |
| 3-4 | | 6000 | | | | | | 458 | 0 | 342 | | | | | | | |
| 4-5 | | 6000 | | | | | | 458 | 0 | 342 | | | | | | | |
| 5-6 | | 6000 | | | | | | 458 | 0 | 342 | | | | | | | |
| 6-7 | | 12900 | | | | | | 1146 | 0 | 855 | | | | | | | |
| 7-8 | | 39300 | | | | | | 3208 | 0 | 2393 | | | | | | | |
| 8-9 | | 40200 | | | | | | 3208 | 0 | 2393 | | | | | | | |
| 9-10 | | 39300 | | | | | | 3208 | 0 | 2393 | | | | | | | |
| 10-11 | | 38700 | | | | | | 3208 | 0 | 2393 | | | | | | | |
| 11-12 | | 36600 | | | | | | 3666 | 0 | 2051 | | | | | | | |
| 12-13 | | 34800 | | | | | | 3666 | 0 | 2051 | | | | | | | |
| 13-14 | | 33300 | | | | | | 3666 | 0 | 2051 | | | | | | | |
| 14-15 | | 32400 | | | | | | 3666 | 0 | 2051 | | | | | | | |
| 15-16 | | 30000 | | | | | | 4125 | 0 | 1709 | | | | | | | |
| 16-17 | | 29100 | | | | | | 4125 | 0 | 1709 | | | | | | | |
| 17-18 | | 27600 | | | | | | 4125 | 0 | 1709 | | | | | | | |
| 18-19 | | 28500 | | | | | | 4125 | 0 | 1709 | | | | | | | |
| 19-20 | | 24300 | | | | | | 3208 | 0 | 1538 | | | | | | | |
| 20-21 | | 20100 | | | | | | 2521 | 0 | 1196 | | | | | | | |
| 21-22 | | 20400 | | | | | | 2521 | 0 | 1196 | | | | | | | |
| 22-23 | | 15600 | | | | | | 2062 | 0 | 855 | | | | | | | |
| 23-0 | | 16200 | | | | | | 2062 | 0 | 855 | | | | | | | |
| Total | 0 | 559500 | 0 | 0 | 0 | 0 | 0 | 61182 | 0 | 33501 | 0 | 0 | 0 | 0 | 0 | 0 | |

| VKT (Veh-km) LPG | | Type 2 Trunk Road (50km/h) | | | | | | | | | | | | | | | |
|------------------|----------|----------------------------|----------|----------|----------|----------|----------|---------------|----------|--------------|----------|----------|----------|----------|----------|----------|--|
| EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | |
| Hour | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 0-1 | | 8253 | | | | | | 3649 | 0 | 638 | | | | | | | |
| 1-2 | | 4358 | | | | | | 1877 | 0 | 366 | | | | | | | |
| 2-3 | | 4228 | | | | | | 1877 | 0 | 366 | | | | | | | |
| 3-4 | | 4228 | | | | | | 1995 | 0 | 366 | | | | | | | |
| 4-5 | | 4303 | | | | | | 2079 | 0 | 366 | | | | | | | |
| 5-6 | | 4368 | | | | | | 2244 | 0 | 332 | | | | | | | |
| 6-7 | | 8770 | | | | | | 4430 | 0 | 554 | | | | | | | |
| 7-8 | | 26588 | | | | | | 13500 | 0 | 1738 | | | | | | | |
| 8-9 | | 26900 | | | | | | 13821 | 0 | 1729 | | | | | | | |
| 9-10 | | 27393 | | | | | | 13264 | 0 | 1751 | | | | | | | |
| 10-11 | | 28028 | | | | | | 12746 | 0 | 1793 | | | | | | | |
| 11-12 | | 27243 | | | | | | 12135 | 0 | 1709 | | | | | | | |
| 12-13 | | 26520 | | | | | | 11618 | 0 | 1765 | | | | | | | |
| 13-14 | | 26090 | | | | | | 10976 | 0 | 1765 | | | | | | | |
| 14-15 | | 26080 | | | | | | 10459 | 0 | 1820 | | | | | | | |
| 15-16 | | 25025 | | | | | | 9847 | 0 | 1736 | | | | | | | |
| 16-17 | | 25585 | | | | | | 9330 | 0 | 1779 | | | | | | | |
| 17-18 | | 25245 | | | | | | 8772 | 0 | 1800 | | | | | | | |
| 18-19 | | 25543 | | | | | | 9093 | 0 | 1792 | | | | | | | |
| 19-20 | | 21088 | | | | | | 7860 | 0 | 1573 | | | | | | | |
| 20-21 | | 17380 | | | | | | 6630 | 0 | 1232 | | | | | | | |
| 21-22 | | 16140 | | | | | | 6737 | 0 | 1211 | | | | | | | |
| 22-23 | | 12203 | | | | | | 5224 | 0 | 845 | | | | | | | |
| 23-0 | | 12388 | | | | | | 5343 | 0 | 836 | | | | | | | |
| Total | 0 | 433940 | 0 | 0 | 0 | 0 | 0 | 185508 | 0 | 29862 | 0 | 0 | 0 | 0 | 0 | 0 | |

| VKT (Veh-km) LPG | | Type 1 Local Road (50km/h) | | | | | | | | | | | | | | | |
|------------------|----------|----------------------------|----------|----------|----------|----------|----------|---------------|----------|---------------|----------|----------|----------|----------|----------|----------|--|
| EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | |
| Hour | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 0-1 | | 8935 | | | | | | 1319 | 0 | 1654 | | | | | | | |
| 1-2 | | 8785 | | | | | | 1297 | 0 | 1645 | | | | | | | |
| 2-3 | | 4235 | | | | | | 34 | 0 | 526 | | | | | | | |
| 3-4 | | 4235 | | | | | | 34 | 0 | 526 | | | | | | | |
| 4-5 | | 4150 | | | | | | 34 | 0 | 479 | | | | | | | |
| 5-6 | | 9468 | | | | | | 1297 | 0 | 1678 | | | | | | | |
| 6-7 | | 20318 | | | | | | 3420 | 0 | 3839 | | | | | | | |
| 7-8 | | 60700 | | | | | | 9406 | 0 | 10537 | | | | | | | |
| 8-9 | | 66985 | | | | | | 9930 | 0 | 11361 | | | | | | | |
| 9-10 | | 79090 | | | | | | 8601 | 0 | 11119 | | | | | | | |
| 10-11 | | 91403 | | | | | | 8209 | 0 | 10802 | | | | | | | |
| 11-12 | | 84253 | | | | | | 7529 | 0 | 10308 | | | | | | | |
| 12-13 | | 75313 | | | | | | 7438 | 0 | 10146 | | | | | | | |
| 13-14 | | 72670 | | | | | | 6995 | 0 | 9283 | | | | | | | |
| 14-15 | | 83550 | | | | | | 6993 | 0 | 10208 | | | | | | | |
| 15-16 | | 77268 | | | | | | 6756 | 0 | 9519 | | | | | | | |
| 16-17 | | 82160 | | | | | | 6718 | 0 | 9267 | | | | | | | |
| 17-18 | | 76573 | | | | | | 5389 | 0 | 8606 | | | | | | | |
| 18-19 | | 63780 | | | | | | 4896 | 0 | 6384 | | | | | | | |
| 19-20 | | 49123 | | | | | | 4550 | 0 | 5596 | | | | | | | |
| 20-21 | | 42775 | | | | | | 3578 | 0 | 4183 | | | | | | | |
| 21-22 | | 19570 | | | | | | 2326 | 0 | 3212 | | | | | | | |
| 22-23 | | 18013 | | | | | | 2303 | 0 | 3212 | | | | | | | |
| 23-0 | | 12443 | | | | | | 1354 | 0 | 2043 | | | | | | | |
| Total | 0 | 1115790 | 0 | 0 | 0 | 0 | 0 | 110406 | 0 | 146132 | 0 | 0 | 0 | 0 | 0 | 0 | |

Multiplication Factor = 100

| Trips_Petrol | | Type 1 Local Road (50km/h) | | | | | | | | | | | | | | | |
|--------------|----------------|----------------------------|----------|-------------|----------|----------|----------|----------|--------------|-----------|----------|----------|----------|----------|----------|----------|---------------|
| Hour | EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 0-1 | 16604 | | 0 | 36 | | | | | 890 | 0 | | | | | | | 3101 |
| 1-2 | 16970 | | 0 | 35 | | | | | 881 | 0 | | | | | | | 3065 |
| 2-3 | 8263 | | 0 | 12 | | | | | 343 | 0 | | | | | | | 1018 |
| 3-4 | 8531 | | 0 | 12 | | | | | 343 | 0 | | | | | | | 1018 |
| 4-5 | 8930 | | 0 | 12 | | | | | 343 | 0 | | | | | | | 1809 |
| 5-6 | 19722 | | 0 | 29 | | | | | 907 | 0 | | | | | | | 3678 |
| 6-7 | 41553 | | 0 | 69 | | | | | 2430 | 1 | | | | | | | 13969 |
| 7-8 | 133017 | | 0 | 158 | | | | | 6756 | 3 | | | | | | | 38998 |
| 8-9 | 147917 | | 0 | 163 | | | | | 7296 | 3 | | | | | | | 43081 |
| 9-10 | 140452 | | 0 | 201 | | | | | 7015 | 3 | | | | | | | 40319 |
| 10-11 | 134288 | | 0 | 208 | | | | | 6823 | 3 | | | | | | | 39331 |
| 11-12 | 128342 | | 0 | 223 | | | | | 6983 | 3 | | | | | | | 36135 |
| 12-13 | 121446 | | 0 | 239 | | | | | 6929 | 3 | | | | | | | 35325 |
| 13-14 | 113304 | | 0 | 251 | | | | | 6380 | 3 | | | | | | | 32004 |
| 14-15 | 114887 | | 0 | 279 | | | | | 6897 | 3 | | | | | | | 34206 |
| 15-16 | 105518 | | 0 | 283 | | | | | 6875 | 3 | | | | | | | 30582 |
| 16-17 | 98748 | | 0 | 295 | | | | | 6678 | 3 | | | | | | | 29939 |
| 17-18 | 83352 | | 0 | 319 | | | | | 6505 | 3 | | | | | | | 25237 |
| 18-19 | 66514 | | 0 | 223 | | | | | 4645 | 2 | | | | | | | 20493 |
| 19-20 | 55286 | | 0 | 178 | | | | | 4132 | 2 | | | | | | | 17225 |
| 20-21 | 45494 | | 0 | 141 | | | | | 3206 | 1 | | | | | | | 12065 |
| 21-22 | 31676 | | 0 | 97 | | | | | 2236 | 1 | | | | | | | 8214 |
| 22-23 | 31023 | | 0 | 97 | | | | | 2348 | 1 | | | | | | | 8934 |
| 23-0 | 22832 | | 0 | 52 | | | | | 1234 | 1 | | | | | | | 7839 |
| Total | 1694671 | 0 | 0 | 3614 | 0 | 0 | 0 | 0 | 99077 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 487585 |

| Trips_LPG | | Type 1 Local Road (50km/h) | | | | | | | | | | | | | | | |
|--------------|-------------|----------------------------|----------|----------|----------|----------|----------|--------------|----------|--------------|----------|----------|----------|----------|----------|----------|----------|
| Hour | EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 0-1 | | 773 | | | | | | 156 | 0 | 586 | | | | | | | |
| 1-2 | | 764 | | | | | | 153 | 0 | 583 | | | | | | | |
| 2-3 | | 358 | | | | | | 4 | 0 | 186 | | | | | | | |
| 3-4 | | 359 | | | | | | 4 | 0 | 186 | | | | | | | |
| 4-5 | | 417 | | | | | | 4 | 0 | 182 | | | | | | | |
| 5-6 | | 865 | | | | | | 153 | 0 | 594 | | | | | | | |
| 6-7 | | 1725 | | | | | | 404 | 0 | 1370 | | | | | | | |
| 7-8 | | 5449 | | | | | | 1112 | 0 | 3883 | | | | | | | |
| 8-9 | | 5946 | | | | | | 1226 | 0 | 4187 | | | | | | | |
| 9-10 | | 6959 | | | | | | 1069 | 0 | 4118 | | | | | | | |
| 10-11 | | 8010 | | | | | | 978 | 0 | 3849 | | | | | | | |
| 11-12 | | 7342 | | | | | | 950 | 0 | 3822 | | | | | | | |
| 12-13 | | 6650 | | | | | | 939 | 0 | 3781 | | | | | | | |
| 13-14 | | 6360 | | | | | | 886 | 0 | 3606 | | | | | | | |
| 14-15 | | 7266 | | | | | | 946 | 0 | 3936 | | | | | | | |
| 15-16 | | 6724 | | | | | | 918 | 0 | 3683 | | | | | | | |
| 16-17 | | 7165 | | | | | | 913 | 0 | 3610 | | | | | | | |
| 17-18 | | 6629 | | | | | | 756 | 0 | 3493 | | | | | | | |
| 18-19 | | 5493 | | | | | | 638 | 0 | 2558 | | | | | | | |
| 19-20 | | 4352 | | | | | | 545 | 0 | 2159 | | | | | | | |
| 20-21 | | 3673 | | | | | | 423 | 0 | 1758 | | | | | | | |
| 21-22 | | 1754 | | | | | | 387 | 0 | 1286 | | | | | | | |
| 22-23 | | 1713 | | | | | | 279 | 0 | 1286 | | | | | | | |
| 23-0 | | 1072 | | | | | | 160 | 0 | 723 | | | | | | | |
| Total | 0 | 97818 | 0 | 0 | 0 | 0 | 0 | 14004 | 0 | 55424 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Note: Trips only account for cold start of petrol vehicles. There is no cold start for Road type 1 - 3 or 5.

| VKT (Veh-km) Petrol | | Type 3 Trunk Road (70km/h) | | | | | | | | | | | | | | | |
|---------------------|----------------|----------------------------|----------|-------------|----------|----------|----------|----------|--------------|-----------|----------|----------|----------|----------|----------|---------------|--|
| EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | |
| Hour | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 0-1 | 32095 | | 0 | 107 | | | | | 1317 | 1 | | | | | | 2700 | |
| 1-2 | 16197 | | 0 | 49 | | | | | 790 | 0 | | | | | | 1200 | |
| 2-3 | 16497 | | 0 | 49 | | | | | 790 | 0 | | | | | | 1200 | |
| 3-4 | 16797 | | 0 | 49 | | | | | 790 | 0 | | | | | | 1200 | |
| 4-5 | 16797 | | 0 | 49 | | | | | 790 | 0 | | | | | | 1200 | |
| 5-6 | 16797 | | 0 | 49 | | | | | 790 | 0 | | | | | | 1200 | |
| 6-7 | 34195 | | 0 | 89 | | | | | 1581 | 1 | | | | | | 2400 | |
| 7-8 | 104083 | | 0 | 267 | | | | | 4742 | 2 | | | | | | 6600 | |
| 8-9 | 104983 | | 0 | 258 | | | | | 4742 | 2 | | | | | | 6600 | |
| 9-10 | 103483 | | 0 | 267 | | | | | 4742 | 2 | | | | | | 6600 | |
| 10-11 | 101684 | | 0 | 276 | | | | | 4742 | 2 | | | | | | 7200 | |
| 11-12 | 99884 | | 0 | 285 | | | | | 4215 | 2 | | | | | | 7200 | |
| 12-13 | 98084 | | 0 | 293 | | | | | 4215 | 2 | | | | | | 7800 | |
| 13-14 | 96285 | | 0 | 311 | | | | | 4215 | 2 | | | | | | 7800 | |
| 14-15 | 94485 | | 0 | 320 | | | | | 4215 | 2 | | | | | | 8400 | |
| 15-16 | 92685 | | 1 | 329 | | | | | 3688 | 1 | | | | | | 8400 | |
| 16-17 | 90885 | | 1 | 338 | | | | | 3688 | 1 | | | | | | 9000 | |
| 17-18 | 89086 | | 1 | 347 | | | | | 3688 | 1 | | | | | | 9000 | |
| 18-19 | 89986 | | 1 | 338 | | | | | 3688 | 1 | | | | | | 9000 | |
| 19-20 | 75888 | | 0 | 280 | | | | | 3162 | 1 | | | | | | 7200 | |
| 20-21 | 61190 | | 0 | 222 | | | | | 2635 | 1 | | | | | | 5700 | |
| 21-22 | 62090 | | 0 | 213 | | | | | 2635 | 1 | | | | | | 5700 | |
| 22-23 | 47092 | | 0 | 156 | | | | | 1844 | 1 | | | | | | 3900 | |
| 23-0 | 47392 | | 0 | 156 | | | | | 1844 | 1 | | | | | | 3900 | |
| Total | 1608642 | 0 | 5 | 5096 | 0 | 0 | 0 | 0 | 69554 | 26 | 0 | 0 | 0 | 0 | 0 | 131100 | |

| VKT (Veh-km) Petrol | | Type 2 Trunk Road (50km/h) | | | | | | | | | | | | | | | |
|---------------------|---------------|----------------------------|----------|-------------|----------|----------|----------|----------|--------------|-----------|----------|----------|----------|----------|----------|--------------|--|
| EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | |
| Hour | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 0-1 | 18627 | | 0 | 61 | | | | | 1067 | 0 | | | | | | 1363 | |
| 1-2 | 9576 | | 0 | 29 | | | | | 564 | 0 | | | | | | 700 | |
| 2-3 | 9613 | | 0 | 29 | | | | | 564 | 0 | | | | | | 530 | |
| 3-4 | 9791 | | 0 | 29 | | | | | 564 | 0 | | | | | | 530 | |
| 4-5 | 9821 | | 0 | 27 | | | | | 564 | 0 | | | | | | 530 | |
| 5-6 | 10268 | | 0 | 27 | | | | | 512 | 0 | | | | | | 450 | |
| 6-7 | 20454 | | 0 | 49 | | | | | 1074 | 0 | | | | | | 1253 | |
| 7-8 | 62755 | | 0 | 143 | | | | | 3118 | 1 | | | | | | 3285 | |
| 8-9 | 63810 | | 0 | 138 | | | | | 3104 | 1 | | | | | | 3285 | |
| 9-10 | 62375 | | 0 | 147 | | | | | 3137 | 1 | | | | | | 3345 | |
| 10-11 | 61153 | | 0 | 153 | | | | | 3203 | 1 | | | | | | 3425 | |
| 11-12 | 59315 | | 0 | 163 | | | | | 2977 | 1 | | | | | | 3765 | |
| 12-13 | 57816 | | 0 | 171 | | | | | 3063 | 1 | | | | | | 3905 | |
| 13-14 | 56198 | | 0 | 181 | | | | | 3089 | 1 | | | | | | 3905 | |
| 14-15 | 54699 | | 0 | 189 | | | | | 3175 | 1 | | | | | | 4045 | |
| 15-16 | 52862 | | 0 | 199 | | | | | 2949 | 1 | | | | | | 4385 | |
| 16-17 | 51347 | | 0 | 205 | | | | | 3014 | 1 | | | | | | 4465 | |
| 17-18 | 49642 | | 0 | 214 | | | | | 3047 | 1 | | | | | | 4525 | |
| 18-19 | 50599 | | 0 | 209 | | | | | 3034 | 1 | | | | | | 4525 | |
| 19-20 | 42896 | | 0 | 169 | | | | | 2643 | 1 | | | | | | 3765 | |
| 20-21 | 35149 | | 0 | 132 | | | | | 2035 | 1 | | | | | | 2713 | |
| 21-22 | 35079 | | 0 | 129 | | | | | 2002 | 1 | | | | | | 2713 | |
| 22-23 | 26848 | | 0 | 94 | | | | | 1425 | 1 | | | | | | 2123 | |
| 23-0 | 27383 | | 0 | 93 | | | | | 1425 | 1 | | | | | | 2123 | |
| Total | 938077 | 0 | 3 | 2979 | 0 | 0 | 0 | 0 | 51351 | 23 | 0 | 0 | 0 | 0 | 0 | 65650 | |

| VKT (Veh-km) Petrol | | Type 1 Local Road (50km/h) | | | | | | | | | | | | | | | |
|---------------------|----------------|----------------------------|----------|-------------|----------|----------|----------|----------|---------------|------------|----------|----------|----------|----------|----------|---------------|--|
| EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | |
| Hour | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 0-1 | 37629 | | 0 | 80 | | | | | 2613 | 1 | | | | | | 1303 | |
| 1-2 | 38459 | | 0 | 78 | | | | | 2586 | 1 | | | | | | 1288 | |
| 2-3 | 18727 | | 0 | 27 | | | | | 1008 | 0 | | | | | | 428 | |
| 3-4 | 19334 | | 0 | 26 | | | | | 1008 | 0 | | | | | | 428 | |
| 4-5 | 20237 | | 0 | 26 | | | | | 1008 | 0 | | | | | | 760 | |
| 5-6 | 44695 | | 0 | 65 | | | | | 2661 | 1 | | | | | | 1545 | |
| 6-7 | 94170 | | 0 | 152 | | | | | 7131 | 3 | | | | | | 5868 | |
| 7-8 | 301449 | | 0 | 352 | | | | | 19823 | 9 | | | | | | 16380 | |
| 8-9 | 335216 | | 0 | 362 | | | | | 21411 | 9 | | | | | | 18095 | |
| 9-10 | 318299 | | 0 | 446 | | | | | 20585 | 9 | | | | | | 16935 | |
| 10-11 | 304329 | | 0 | 461 | | | | | 20021 | 8 | | | | | | 16520 | |
| 11-12 | 290853 | | 0 | 495 | | | | | 20491 | 8 | | | | | | 15178 | |
| 12-13 | 275226 | | 0 | 530 | | | | | 20333 | 8 | | | | | | 14838 | |
| 13-14 | 256774 | | 0 | 556 | | | | | 18721 | 8 | | | | | | 13443 | |
| 14-15 | 260361 | | 0 | 620 | | | | | 20238 | 9 | | | | | | 14368 | |
| 15-16 | 239129 | | 0 | 629 | | | | | 20175 | 8 | | | | | | 12845 | |
| 16-17 | 223787 | | 0 | 656 | | | | | 19597 | 8 | | | | | | 12575 | |
| 17-18 | 188895 | | 0 | 708 | | | | | 19088 | 8 | | | | | | 10600 | |
| 18-19 | 150736 | | 0 | 496 | | | | | 13630 | 6 | | | | | | 8608 | |
| 19-20 | 125292 | | 0 | 396 | | | | | 12124 | 5 | | | | | | 7235 | |
| 20-21 | 103101 | | 0 | 313 | | | | | 9408 | 4 | | | | | | 5068 | |
| 21-22 | 71786 | | 0 | 216 | | | | | 6560 | 3 | | | | | | 3450 | |
| 22-23 | 70306 | | 0 | 215 | | | | | 6890 | 3 | | | | | | 3753 | |
| 23-0 | 51742 | | 0 | 114 | | | | | 3620 | 2 | | | | | | 3293 | |
| Total | 3840531 | 0 | 1 | 8017 | 0 | 0 | 0 | 0 | 290730 | 122 | 0 | 0 | 0 | 0 | 0 | 204798 | |

| VKT (Veh-km) Diesel | | Type 3 Trunk Road (70km/h) | | | | | | | | | | | | | | | | |
|---------------------|-------------|----------------------------|-------------|---------------|---------------|--------------|---------------|--------------|-------------|----------|--------------|--------------|--------------|-------------|--------------|----------|----|--|
| EMFAC Index | | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | |
| Hour | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | | |
| 0-1 | 83 | 0 | 0 | 7093 | 4200 | 600 | 2100 | 332 | 183 | 0 | 600 | 600 | 600 | 0 | 1500 | | | |
| 1-2 | 42 | 0 | 0 | 3251 | 2100 | 600 | 1200 | 199 | 110 | 0 | 600 | 0 | 0 | 0 | 900 | | | |
| 2-3 | 43 | 0 | 0 | 3251 | 2100 | 300 | 900 | 133 | 110 | 0 | 0 | 0 | 0 | 0 | 900 | | | |
| 3-4 | 43 | 0 | 0 | 3251 | 2100 | 300 | 900 | 133 | 110 | 0 | 0 | 0 | 0 | 0 | 900 | | | |
| 4-5 | 43 | 0 | 0 | 3251 | 2100 | 300 | 900 | 133 | 110 | 0 | 0 | 0 | 0 | 0 | 900 | | | |
| 5-6 | 43 | 0 | 0 | 3251 | 2100 | 0 | 900 | 133 | 110 | 0 | 0 | 0 | 0 | 0 | 900 | | | |
| 6-7 | 89 | 0 | 0 | 5911 | 3900 | 600 | 1500 | 332 | 219 | 0 | 600 | 600 | 600 | 0 | 2100 | | | |
| 7-8 | 270 | 0 | 0 | 17733 | 10800 | 1200 | 4200 | 928 | 658 | 0 | 1200 | 1200 | 1200 | 0 | 6600 | | | |
| 8-9 | 272 | 0 | 0 | 17142 | 10800 | 1200 | 4200 | 928 | 658 | 0 | 1200 | 1200 | 1200 | 0 | 6600 | | | |
| 9-10 | 268 | 0 | 0 | 17733 | 11100 | 1200 | 4800 | 928 | 658 | 0 | 1200 | 1200 | 1200 | 300 | 6000 | | | |
| 10-11 | 263 | 0 | 0 | 18324 | 11400 | 1500 | 4800 | 928 | 658 | 0 | 1200 | 1200 | 1200 | 300 | 6000 | | | |
| 11-12 | 259 | 0 | 300 | 18915 | 11700 | 1800 | 5400 | 1061 | 585 | 0 | 1800 | 1200 | 1200 | 300 | 5400 | | | |
| 12-13 | 254 | 0 | 300 | 19507 | 12300 | 2100 | 6000 | 1061 | 585 | 0 | 1800 | 1200 | 1200 | 0 | 4800 | | | |
| 13-14 | 249 | 0 | 300 | 20689 | 12300 | 2100 | 6000 | 1061 | 585 | 0 | 1800 | 1200 | 1200 | 0 | 4800 | | | |
| 14-15 | 245 | 0 | 300 | 21280 | 12900 | 2400 | 6600 | 1061 | 585 | 0 | 1800 | 1200 | 1200 | 300 | 4200 | | | |
| 15-16 | 240 | 0 | 599 | 21871 | 13200 | 2700 | 7200 | 1194 | 512 | 0 | 2400 | 1200 | 1200 | 0 | 3600 | | | |
| 16-17 | 235 | 0 | 599 | 22462 | 13500 | 3000 | 7200 | 1194 | 512 | 0 | 2400 | 1200 | 1200 | 300 | 3600 | | | |
| 17-18 | 231 | 0 | 599 | 23053 | 13800 | 3000 | 7800 | 1194 | 512 | 0 | 2400 | 1200 | 1200 | 300 | 3000 | | | |
| 18-19 | 233 | 0 | 599 | 22462 | 13800 | 3000 | 7800 | 1194 | 512 | 0 | 2400 | 1200 | 1200 | 300 | 3000 | | | |
| 19-20 | 197 | 0 | 300 | 18620 | 11100 | 2400 | 6000 | 928 | 438 | 0 | 1800 | 1200 | 1200 | 0 | 3000 | | | |
| 20-21 | 158 | 0 | 300 | 14778 | 9000 | 1500 | 4800 | 729 | 365 | 0 | 1200 | 600 | 600 | 0 | 2400 | | | |
| 21-22 | 161 | 0 | 300 | 14187 | 8700 | 1500 | 4500 | 729 | 365 | 0 | 1200 | 600 | 600 | 0 | 2700 | | | |
| 22-23 | 122 | 0 | 300 | 10344 | 6300 | 1200 | 3300 | 597 | 256 | 0 | 1200 | 600 | 600 | 0 | 2100 | | | |
| 23-0 | 123 | 0 | 300 | 10344 | 6300 | 1200 | 3300 | 597 | 256 | 0 | 1200 | 600 | 600 | 0 | 2100 | | | |
| Total | 4166 | 0 | 5095 | 338704 | 207600 | 35700 | 102300 | 17704 | 9646 | 0 | 30000 | 19200 | 19200 | 2100 | 78000 | 0 | | |

| VKT (Veh-km) Diesel | | Type 2 Trunk Road (50km/h) | | | | | | | | | | | | | | | | |
|---------------------|-------------|----------------------------|-------------|---------------|---------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|---------------|----------|----|--|
| EMFAC Index | | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | |
| Hour | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | | |
| 0-1 | 48 | 0 | 60 | 4044 | 2430 | 238 | 880 | 1105 | 148 | 456 | 898 | 693 | 758 | 788 | 9963 | | | |
| 1-2 | 25 | 0 | 0 | 1931 | 1238 | 140 | 488 | 566 | 78 | 262 | 348 | 348 | 348 | 340 | 5093 | | | |
| 2-3 | 25 | 0 | 0 | 1916 | 1223 | 140 | 378 | 591 | 78 | 262 | 288 | 265 | 265 | 340 | 5093 | | | |
| 3-4 | 25 | 0 | 0 | 1916 | 1223 | 140 | 378 | 615 | 78 | 262 | 288 | 265 | 265 | 340 | 5108 | | | |
| 4-5 | 25 | 0 | 0 | 1763 | 1163 | 140 | 378 | 615 | 78 | 262 | 288 | 265 | 265 | 340 | 5108 | | | |
| 5-6 | 27 | 0 | 0 | 1763 | 1053 | 0 | 378 | 649 | 71 | 237 | 265 | 250 | 250 | 340 | 5108 | | | |
| 6-7 | 53 | 0 | 60 | 3258 | 2025 | 238 | 680 | 1295 | 149 | 396 | 693 | 633 | 633 | 788 | 10113 | | | |
| 7-8 | 163 | 0 | 120 | 9507 | 5780 | 475 | 1975 | 4030 | 432 | 1243 | 1900 | 1765 | 1765 | 2450 | 30553 | | | |
| 8-9 | 165 | 0 | 120 | 9202 | 5640 | 475 | 1835 | 4123 | 431 | 1237 | 1885 | 1765 | 1765 | 2450 | 30635 | | | |
| 9-10 | 162 | 0 | 120 | 9775 | 5950 | 475 | 1975 | 3934 | 435 | 1252 | 1900 | 1765 | 1863 | 2525 | 30515 | | | |
| 10-11 | 158 | 0 | 120 | 10199 | 6223 | 615 | 2115 | 3778 | 444 | 1283 | 1938 | 1780 | 1878 | 2818 | 30418 | | | |
| 11-12 | 154 | 0 | 200 | 10842 | 6723 | 725 | 2650 | 3608 | 413 | 1223 | 2263 | 1923 | 2085 | 2703 | 30538 | | | |
| 12-13 | 150 | 0 | 200 | 11396 | 7165 | 865 | 2790 | 3424 | 425 | 1262 | 2300 | 1938 | 2100 | 2530 | 30440 | | | |
| 13-14 | 146 | 0 | 200 | 12007 | 7285 | 865 | 2910 | 3287 | 428 | 1262 | 2300 | 1938 | 2100 | 2725 | 29965 | | | |
| 14-15 | 142 | 0 | 200 | 12561 | 7728 | 1005 | 3050 | 3103 | 440 | 1302 | 2338 | 1953 | 2115 | 2898 | 29868 | | | |
| 15-16 | 137 | 0 | 280 | 13204 | 8228 | 1115 | 3585 | 2933 | 409 | 1242 | 2663 | 2095 | 2323 | 2610 | 29988 | | | |
| 16-17 | 133 | 0 | 280 | 13627 | 8500 | 1255 | 3725 | 2776 | 418 | 1272 | 2700 | 2110 | 2338 | 3075 | 29890 | | | |
| 17-18 | 129 | 0 | 280 | 14201 | 8810 | 1255 | 3865 | 2587 | 423 | 1288 | 2715 | 2110 | 2338 | 3173 | 29770 | | | |
| 18-19 | 131 | 0 | 280 | 13896 | 8670 | 1255 | 3725 | 2680 | 421 | 1282 | 2700 | 2110 | 2338 | 3173 | 29853 | | | |
| 19-20 | 111 | 0 | 200 | 11219 | 7100 | 1005 | 2813 | 2312 | 367 | 1125 | 2278 | 1763 | 1990 | 2483 | 24750 | | | |
| 20-21 | 91 | 0 | 140 | 8785 | 5458 | 628 | 2310 | 1943 | 282 | 881 | 1623 | 1305 | 1468 | 2035 | 19993 | | | |
| 21-22 | 91 | 0 | 140 | 8596 | 5458 | 628 | 2170 | 1974 | 278 | 866 | 1608 | 1305 | 1370 | 1645 | 20015 | | | |
| 22-23 | 70 | 0 | 140 | 6241 | 3903 | 488 | 1733 | 1546 | 198 | 604 | 1320 | 1040 | 1105 | 1305 | 15220 | | | |
| 23-0 | 71 | 0 | 140 | 6162 | 3823 | 488 | 1653 | 1605 | 198 | 598 | 1305 | 1040 | 1105 | 1305 | 15103 | | | |
| Total | 2429 | 0 | 3277 | 198013 | 122793 | 14650 | 48435 | 55068 | 7121 | 21359 | 38798 | 32420 | 34825 | 45175 | 503093 | 0 | | |

| VKT (Veh-km) Diesel | | Type 1 Local Road (50km/h) | | | | | | | | | | | | | | | | |
|---------------------|-------------|----------------------------|------------|---------------|---------------|--------------|---------------|--------------|--------------|---------------|---------------|---------------|---------------|--------------|---------------|----------|----|--|
| EMFAC Index | | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | |
| Hour | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | | |
| 0-1 | 97 | 0 | 0 | 5332 | 2488 | 240 | 1505 | 382 | 362 | 1183 | 705 | 300 | 300 | 15 | 2205 | | | |
| 1-2 | 100 | 0 | 0 | 5189 | 2473 | 225 | 1468 | 375 | 359 | 1177 | 690 | 300 | 300 | 0 | 2130 | | | |
| 2-3 | 48 | 0 | 0 | 1773 | 900 | 0 | 308 | 10 | 140 | 376 | 60 | 15 | 15 | 0 | 583 | | | |
| 3-4 | 50 | 0 | 0 | 1717 | 900 | 0 | 308 | 10 | 140 | 376 | 60 | 15 | 15 | 0 | 583 | | | |
| 4-5 | 52 | 0 | 0 | 1717 | 860 | 0 | 263 | 10 | 140 | 368 | 15 | 15 | 15 | 0 | 583 | | | |
| 5-6 | 116 | 0 | 0 | 4313 | 2055 | 225 | 1468 | 375 | 369 | 1200 | 1850 | 300 | 300 | 0 | 3013 | | | |
| 6-7 | 244 | 0 | 0 | 10130 | 5060 | 1243 | 2480 | 990 | 989 | 2768 | 3145 | 2850 | 2850 | 15 | 5928 | | | |
| 7-8 | 781 | 0 | 0 | 23366 | 12235 | 2935 | 7670 | 2722 | 2749 | 7844 | 7895 | 5140 | 5140 | 4023 | 16318 | | | |
| 8-9 | 868 | 0 | 0 | 24033 | 12815 | 2935 | 7895 | 3002 | 2969 | 8458 | 8120 | 5720 | 5720 | 4023 | 16790 | | | |
| 9-10 | 824 | 0 | 0 | 29642 | 15875 | 2935 | 8350 | 2617 | 2855 | 8317 | 9395 | 6370 | 7933 | 4023 | 17863 | | | |
| 10-11 | 788 | 0 | 0 | 30617 | 16550 | 2958 | 9278 | 2393 | 2776 | 7774 | 9445 | 6968 | 9623 | 8015 | 17105 | | | |
| 11-12 | 753 | 0 | 45 | 32912 | 20093 | 3445 | 9463 | 2325 | 2842 | 7720 | 9768 | 6790 | 8578 | 6840 | 18348 | | | |
| 12-13 | 713 | 0 | 45 | 35245 | 21385 | 3445 | 9463 | 2298 | 2820 | 7637 | 9543 | 6720 | 8508 | 5105 | 16885 | | | |
| 13-14 | 665 | 0 | 45 | 36981 | 21600 | 3445 | 9463 | 2170 | 2596 | 7284 | 9473 | 6720 | 10070 | 5105 | 17273 | | | |
| 14-15 | 674 | 0 | 45 | 41212 | 25005 | 3468 | 10868 | 2315 | 2807 | 7951 | 10373 | 7388 | 10963 | 6668 | 17710 | | | |
| 15-16 | 619 | 0 | 90 | 41801 | 27060 | 3955 | 10845 | 2247 | 2798 | 7440 | 10470 | 7720 | 11295 | 5493 | 19040 | | | |
| 16-17 | 580 | 0 | 90 | 43574 | 28058 | 3955 | 11030 | 2236 | 2718 | 7292 | 10315 | 7790 | 10498 | 6188 | 18638 | | | |
| 17-18 | 489 | 0 | 90 | 47027 | 29235 | 3955 | 11030 | 1851 | 2647 | 7056 | 10895 | 8300 | 11008 | 9313 | 18140 | | | |
| 18-19 | 390 | 0 | 45 | 32954 | 20680 | 2240 | 7955 | 1563 | 1890 | 5167 | 9055 | 6828 | 8840 | 7363 | 14503 | | | |
| 19-20 | 324 | 0 | 45 | 26307 | 17148 | 1993 | 5793 | 1334 | 1681 | 4360 | 6603 | 4745 | 6533 | 4238 | 12098 | | | |
| 20-21 | 267 | 0 | 45 | 20809 | 12863 | 1978 | 4635 | 1036 | 1305 | 3550 | 6315 | 4770 | 6558 | 4223 | 9765 | | | |
| 21-22 | 186 | 0 | 0 | 14371 | 7728 | 1243 | 3113 | 947 | 910 | 2597 | 4150 | 3838 | 3838 | 710 | 7420 | | | |
| 22-23 | 182 | 0 | 0 | 14273 | 7605 | 1243 | 3098 | 684 | 955 | 2597 | 4135 | 2663 | 2663 | 710 | 7260 | | | |
| 23-0 | 134 | 0 | 0 | 7608 | 5238 | 263 | 2053 | 392 | 502 | 1461 | 2483 | 2098 | 2323 | 710 | 4160 | | | |
| Total | 9946 | 0 | 584 | 532905 | 315905 | 48320 | 139795 | 34283 | 40318 | 111955 | 144955 | 104360 | 133880 | 82775 | 264335 | 0 | | |

VKT (Veh-km) LPG

Type 3 Trunk Road (70km/h)

Appendix 3.8 - Trips and VKT for Yr 2032

| Hour | EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|--------------|-------------|----|--------|------|------|------|------|------|-------|-----|-------|------|------|------|------|------|----|
| | | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC |
| 0-1 | | | 11100 | | | | | | 1168 | 0 | 710 | | | | | | |
| 1-2 | | | 6000 | | | | | | 701 | 0 | 355 | | | | | | |
| 2-3 | | | 6000 | | | | | | 467 | 0 | 355 | | | | | | |
| 3-4 | | | 6000 | | | | | | 467 | 0 | 355 | | | | | | |
| 4-5 | | | 6000 | | | | | | 467 | 0 | 355 | | | | | | |
| 5-6 | | | 6300 | | | | | | 467 | 0 | 355 | | | | | | |
| 6-7 | | | 12900 | | | | | | 1168 | 0 | 888 | | | | | | |
| 7-8 | | | 39900 | | | | | | 3272 | 0 | 2487 | | | | | | |
| 8-9 | | | 40800 | | | | | | 3272 | 0 | 2487 | | | | | | |
| 9-10 | | | 39900 | | | | | | 3272 | 0 | 2487 | | | | | | |
| 10-11 | | | 39000 | | | | | | 3272 | 0 | 2487 | | | | | | |
| 11-12 | | | 37200 | | | | | | 3739 | 0 | 2131 | | | | | | |
| 12-13 | | | 35400 | | | | | | 3739 | 0 | 2131 | | | | | | |
| 13-14 | | | 33900 | | | | | | 3739 | 0 | 2131 | | | | | | |
| 14-15 | | | 33000 | | | | | | 3739 | 0 | 2131 | | | | | | |
| 15-16 | | | 30900 | | | | | | 4206 | 0 | 1776 | | | | | | |
| 16-17 | | | 29700 | | | | | | 4206 | 0 | 1776 | | | | | | |
| 17-18 | | | 28200 | | | | | | 4206 | 0 | 1776 | | | | | | |
| 18-19 | | | 29100 | | | | | | 4206 | 0 | 1776 | | | | | | |
| 19-20 | | | 24900 | | | | | | 3272 | 0 | 1599 | | | | | | |
| 20-21 | | | 20400 | | | | | | 2571 | 0 | 1243 | | | | | | |
| 21-22 | | | 20700 | | | | | | 2571 | 0 | 1243 | | | | | | |
| 22-23 | | | 15900 | | | | | | 2103 | 0 | 888 | | | | | | |
| 23-0 | | | 16500 | | | | | | 2103 | 0 | 888 | | | | | | |
| Total | | 0 | 569700 | 0 | 0 | 0 | 0 | 0 | 62396 | 0 | 34812 | 0 | 0 | 0 | 0 | 0 | 0 |

VKT (Veh-km) LPG

Type 2 Trunk Road (50km/h)

| Hour | EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|--------------|-------------|----|--------|------|------|------|------|------|--------|-----|-------|------|------|------|------|------|----|
| | | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC |
| 0-1 | | | 8428 | | | | | | 3893 | 0 | 663 | | | | | | |
| 1-2 | | | 4358 | | | | | | 1961 | 0 | 380 | | | | | | |
| 2-3 | | | 4228 | | | | | | 2082 | 0 | 380 | | | | | | |
| 3-4 | | | 4303 | | | | | | 2167 | 0 | 380 | | | | | | |
| 4-5 | | | 4368 | | | | | | 2167 | 0 | 380 | | | | | | |
| 5-6 | | | 4368 | | | | | | 2288 | 0 | 345 | | | | | | |
| 6-7 | | | 8970 | | | | | | 4565 | 0 | 576 | | | | | | |
| 7-8 | | | 27118 | | | | | | 14205 | 0 | 1806 | | | | | | |
| 8-9 | | | 27430 | | | | | | 14532 | 0 | 1797 | | | | | | |
| 9-10 | | | 27908 | | | | | | 13866 | 0 | 1819 | | | | | | |
| 10-11 | | | 28558 | | | | | | 13315 | 0 | 1863 | | | | | | |
| 11-12 | | | 27648 | | | | | | 12715 | 0 | 1776 | | | | | | |
| 12-13 | | | 26925 | | | | | | 12066 | 0 | 1834 | | | | | | |
| 13-14 | | | 26495 | | | | | | 11583 | 0 | 1834 | | | | | | |
| 14-15 | | | 26485 | | | | | | 10935 | 0 | 1892 | | | | | | |
| 15-16 | | | 25305 | | | | | | 10335 | 0 | 1804 | | | | | | |
| 16-17 | | | 25880 | | | | | | 9784 | 0 | 1849 | | | | | | |
| 17-18 | | | 25525 | | | | | | 9118 | 0 | 1871 | | | | | | |
| 18-19 | | | 25838 | | | | | | 9445 | 0 | 1862 | | | | | | |
| 19-20 | | | 21493 | | | | | | 8148 | 0 | 1634 | | | | | | |
| 20-21 | | | 17520 | | | | | | 6847 | 0 | 1280 | | | | | | |
| 21-22 | | | 16295 | | | | | | 6956 | 0 | 1258 | | | | | | |
| 22-23 | | | 12343 | | | | | | 5449 | 0 | 878 | | | | | | |
| 23-0 | | | 12543 | | | | | | 5655 | 0 | 869 | | | | | | |
| Total | | 0 | 440325 | 0 | 0 | 0 | 0 | 0 | 194077 | 0 | 31030 | 0 | 0 | 0 | 0 | 0 | 0 |

VKT (Veh-km) LPG

Type 1 Local Road (50km/h)

| Hour | EMFAC Index | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|--------------|-------------|----|---------|------|------|------|------|------|--------|-----|--------|------|------|------|------|------|----|
| | | PC | taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC |
| 0-1 | | | 9148 | | | | | | 1346 | 0 | 1718 | | | | | | |
| 1-2 | | | 9043 | | | | | | 1322 | 0 | 1710 | | | | | | |
| 2-3 | | | 4235 | | | | | | 35 | 0 | 546 | | | | | | |
| 3-4 | | | 4250 | | | | | | 35 | 0 | 546 | | | | | | |
| 4-5 | | | 4943 | | | | | | 35 | 0 | 534 | | | | | | |
| 5-6 | | | 10243 | | | | | | 1322 | 0 | 1744 | | | | | | |
| 6-7 | | | 20420 | | | | | | 3488 | 0 | 4021 | | | | | | |
| 7-8 | | | 64513 | | | | | | 9593 | 0 | 11395 | | | | | | |
| 8-9 | | | 70395 | | | | | | 10578 | 0 | 12288 | | | | | | |
| 9-10 | | | 82390 | | | | | | 9223 | 0 | 12084 | | | | | | |
| 10-11 | | | 94828 | | | | | | 8434 | 0 | 11295 | | | | | | |
| 11-12 | | | 86920 | | | | | | 8193 | 0 | 11216 | | | | | | |
| 12-13 | | | 78728 | | | | | | 8099 | 0 | 11095 | | | | | | |
| 13-14 | | | 75298 | | | | | | 7648 | 0 | 10583 | | | | | | |
| 14-15 | | | 86028 | | | | | | 8160 | 0 | 11551 | | | | | | |
| 15-16 | | | 79608 | | | | | | 7918 | 0 | 10809 | | | | | | |
| 16-17 | | | 84823 | | | | | | 7879 | 0 | 10595 | | | | | | |
| 17-18 | | | 78488 | | | | | | 6524 | 0 | 10251 | | | | | | |
| 18-19 | | | 65038 | | | | | | 5507 | 0 | 7507 | | | | | | |
| 19-20 | | | 51523 | | | | | | 4703 | 0 | 6335 | | | | | | |
| 20-21 | | | 43488 | | | | | | 3649 | 0 | 5158 | | | | | | |
| 21-22 | | | 20765 | | | | | | 3338 | 0 | 3773 | | | | | | |
| 22-23 | | | 20280 | | | | | | 2411 | 0 | 3773 | | | | | | |
| 23-0 | | | 12698 | | | | | | 1381 | 0 | 2122 | | | | | | |
| Total | | 0 | 1158085 | 0 | 0 | 0 | 0 | 0 | 120822 | 0 | 162649 | 0 | 0 | 0 | 0 | 0 | 0 |