

FUNCTIONAL SYSTEM LENGTH - 1997 1/

MILES BY VOLUME - SERVICE FLOW RATIO - RURAL

TABLE HM-61
SHEET 1 OF 4

OCTOBER 1998

| STATE | VOLUME-SERVICE FLOW RATIO (V/SF) | | | | | | | | | | | | | |
|-------------------|----------------------------------|-----------|-----------|-----------|-----------|--------|--------|--------------------------|-----------|-----------|-----------|-----------|--------|--------|
| | INTERSTATE | | | | | | | OTHER PRINCIPAL ARTERIAL | | | | | | |
| | < 0.21 | 0.21-0.40 | 0.41-0.70 | 0.71-0.79 | 0.80-0.95 | > 0.95 | TOTAL | < 0.21 | 0.21-0.40 | 0.41-0.70 | 0.71-0.79 | 0.80-0.95 | > 0.95 | TOTAL |
| Alabama | 7 | 189 | 356 | 27 | 15 | 8 | 602 | 898 | 956 | 209 | 9 | - | - | 2,072 |
| Alaska | 694 | 232 | 76 | 6 | 26 | 1 | 1,035 | 654 | 151 | 4 | - | - | - | 809 |
| Arizona | 742 | 250 | 4 | - | - | - | 996 | 566 | 459 | 138 | - | 22 | - | 1,185 |
| Arkansas | - | 155 | 228 | 10 | - | 3 | 396 | 884 | 797 | 426 | 48 | 46 | 31 | 2,232 |
| California | 297 | 334 | 599 | 24 | 84 | 15 | 1,353 | 759 | 1,361 | 1,233 | 88 | 78 | 165 | 3,684 |
| Colorado | 248 | 294 | 87 | 48 | 47 | 42 | 766 | 708 | 875 | 490 | 60 | 35 | 33 | 2,201 |
| Connecticut | - | 35 | 49 | 11 | 4 | 2 | 101 | 36 | 64 | 119 | 14 | 26 | 4 | 263 |
| Delaware | - | - | - | - | - | - | - | 8 | 72 | 118 | 3 | 13 | 6 | 220 |
| Dist. of Columbia | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Florida | 29 | 482 | 368 | 50 | 21 | 4 | 954 | 1,647 | 1,639 | 386 | 27 | - | 21 | 3,720 |
| Georgia 2/ | 37 | 200 | 412 | 62 | 95 | - | 806 | 1,713 | 590 | 308 | 33 | 107 | 42 | 2,793 |
| Hawaii | - | - | - | - | - | - | - | - | 15 | 85 | 7 | 18 | - | 125 |
| Idaho | 262 | 242 | 23 | - | 3 | - | 530 | 657 | 815 | 170 | 23 | 3 | 13 | 1,681 |
| Illinois | 386 | 915 | 193 | 5 | 10 | 8 | 1,517 | 1,671 | 921 | 11 | 15 | 3 | 4 | 2,625 |
| Indiana | 92 | 581 | 141 | 39 | - | - | 853 | 281 | 921 | 443 | 4 | 47 | 10 | 1,706 |
| Iowa | 103 | 284 | 244 | 1 | 2 | - | 634 | 2,005 | 1,263 | 148 | 2 | - | - | 3,418 |
| Kansas | 339 | 322 | 38 | - | - | - | 699 | 2,335 | 766 | 74 | - | - | - | 3,175 |
| Kentucky | 37 | 100 | 255 | 64 | 50 | 30 | 536 | 889 | 731 | 204 | 68 | 86 | 64 | 2,042 |
| Louisiana | 143 | 176 | 291 | 2 | - | - | 612 | 420 | 662 | 124 | 3 | 2 | - | 1,211 |
| Maine | 129 | 95 | 58 | 1 | 16 | 13 | 312 | 246 | 335 | 174 | 26 | 7 | - | 788 |
| Maryland 2/ | - | 41 | 103 | 23 | 39 | 22 | 228 | 84 | 235 | 160 | 26 | 36 | 8 | 549 |
| Massachusetts | 16 | 39 | 70 | 17 | 20 | - | 162 | 82 | 85 | 125 | 14 | 3 | 4 | 313 |
| Michigan | 109 | 384 | 194 | 38 | 10 | 5 | 740 | 913 | 1,191 | 481 | 52 | 66 | 52 | 2,755 |
| Minnesota | 226 | 129 | 244 | 19 | 51 | 12 | 681 | 1,190 | 1,573 | 615 | 77 | 60 | 57 | 3,572 |
| Mississippi | 139 | 315 | 92 | 10 | 2 | - | 558 | 1,272 | 487 | 54 | 6 | 13 | - | 1,832 |
| Missouri | 10 | 315 | 401 | 49 | 11 | 23 | 809 | 902 | 1,565 | 483 | 42 | 35 | 24 | 3,051 |
| Montana | 969 | 156 | 12 | - | - | - | 1,137 | 2,193 | 319 | 99 | 10 | 1 | - | 2,622 |
| Nebraska | 104 | 259 | 72 | 3 | - | - | 438 | 2,137 | 559 | 28 | 2 | - | - | 2,726 |
| Nevada | 356 | 83 | 13 | 1 | 28 | - | 481 | 1,010 | 311 | 67 | - | - | 3 | 1,391 |
| New Hampshire | 35 | 40 | 79 | 7 | 1 | 14 | 176 | 26 | 172 | 170 | 27 | 33 | 29 | 457 |
| New Jersey | - | 3 | 55 | 15 | 21 | 25 | 119 | 36 | 99 | 151 | 35 | 79 | 133 | 533 |
| New Mexico | 421 | 337 | 133 | 1 | - | - | 892 | 972 | 670 | 146 | 3 | 5 | 1 | 1,797 |
| New York | 29 | 333 | 319 | 54 | 62 | - | 797 | 626 | 925 | 324 | 32 | 48 | 44 | 1,999 |
| North Carolina | - | 218 | 307 | 48 | 44 | 22 | 639 | 462 | 1,048 | 520 | 77 | 68 | 43 | 2,218 |
| North Dakota | 509 | 22 | - | - | - | - | 531 | 2,870 | 58 | 1 | - | - | - | 2,929 |
| Ohio | 2 | 146 | 509 | 90 | 58 | 25 | 830 | 893 | 850 | 408 | 11 | 62 | 6 | 2,230 |
| Oklahoma | 114 | 442 | 141 | 18 | 6 | 1 | 722 | 1,679 | 520 | 167 | - | 1 | - | 2,367 |
| Oregon | 156 | 238 | 172 | 10 | 6 | - | 582 | 1,046 | 984 | 509 | 128 | 92 | 73 | 2,832 |
| Pennsylvania | 95 | 722 | 335 | 10 | 37 | 2 | 1,201 | 809 | 1,150 | 379 | 70 | 62 | 14 | 2,484 |
| Rhode Island | - | - | 5 | 14 | 2 | 1 | 22 | 45 | 6 | 11 | - | 3 | 2 | 67 |
| South Carolina | - | 101 | 417 | 43 | 82 | 29 | 672 | 498 | 641 | 283 | 9 | 16 | 7 | 1,454 |
| South Dakota | 447 | 171 | 11 | - | - | - | 629 | 2,048 | 432 | 60 | - | - | - | 2,540 |
| Tennessee | 16 | 178 | 470 | 58 | 13 | - | 735 | 503 | 1,024 | 205 | 38 | 33 | - | 1,803 |
| Texas | 922 | 640 | 495 | 119 | 19 | 13 | 2,208 | 4,029 | 2,019 | 614 | 42 | 59 | 14 | 6,777 |
| Utah | 482 | 242 | 46 | 1 | - | - | 771 | 405 | 294 | 244 | 9 | 36 | 20 | 1,008 |
| Vermont | 87 | 162 | 31 | - | - | - | 280 | 26 | 143 | 140 | 4 | 5 | - | 318 |
| Virginia | 6 | 130 | 399 | 65 | 97 | 17 | 714 | 660 | 633 | 185 | 24 | 17 | 41 | 1,560 |
| Washington | 56 | 157 | 193 | 10 | 71 | 15 | 502 | 856 | 1,018 | 160 | 13 | 20 | 13 | 2,080 |
| West Virginia | 105 | 196 | 158 | - | - | - | 459 | 556 | 340 | 102 | 13 | 40 | - | 1,051 |
| Wisconsin | 30 | 126 | 285 | 45 | 44 | 44 | 574 | 458 | 1,792 | 1,036 | 41 | 24 | 5 | 3,356 |
| Wyoming | 583 | 233 | 10 | - | - | - | 826 | 1,273 | 280 | 68 | 4 | 7 | 1 | 1,633 |
| U.S. Total | 9,569 | 11,444 | 9,193 | 1,118 | 1,097 | 396 | 32,817 | 46,936 | 34,816 | 12,859 | 1,239 | 1,417 | 987 | 98,254 |
| Puerto Rico | 4 | 36 | 56 | 6 | - | - | 102 | 14 | 44 | 38 | 2 | 2 | - | 100 |
| Grand Total | 9,573 | 11,480 | 9,249 | 1,124 | 1,097 | 396 | 32,919 | 46,950 | 34,860 | 12,897 | 1,241 | 1,419 | 987 | 98,354 |

**FUNCTIONAL SYSTEM LENGTH - 1997 1/
MILES BY VOLUME - SERVICE FLOW RATIO - RURAL**

TABLE HM-61
SHEET 2 OF 4

OCTOBER 1998

| STATE | VOLUME SERVICE FLOW RATIO (V/SF) | | | | | | | | | | | | | |
|-------------------|----------------------------------|-----------|-----------|-----------|-----------|--------|---------|-----------------|-----------|-----------|-----------|-----------|--------|---------|
| | MINOR ARTERIAL | | | | | | | MAJOR COLLECTOR | | | | | | |
| | < 0.21 | 0.21-0.40 | 0.41-0.70 | 0.71-0.79 | 0.80-0.95 | > 0.95 | TOTAL | < 0.21 | 0.21-0.40 | 0.41-0.70 | 0.71-0.79 | 0.80-0.95 | > 0.95 | TOTAL |
| Alabama | 2,882 | 688 | 100 | 31 | 1 | - | 3,702 | 11,395 | 260 | 51 | 11 | - | - | 11,717 |
| Alaska | 421 | 11 | - | - | 10 | - | 442 | 1,327 | 86 | 10 | 1 | - | 1 | 1,425 |
| Arizona | 772 | 350 | 57 | 71 | 1 | 6 | 1,257 | 4,077 | 279 | 96 | 20 | 26 | 8 | 4,506 |
| Arkansas | 1,794 | 952 | 163 | 16 | 19 | 18 | 2,962 | 12,055 | 360 | 60 | 2 | 1 | 21 | 12,499 |
| California | 3,802 | 2,044 | 627 | 239 | 60 | 132 | 6,904 | 11,017 | 1,519 | 376 | 7 | 81 | 67 | 13,067 |
| Colorado | 2,615 | 478 | 490 | 5 | 67 | 26 | 3,681 | 5,687 | 273 | 38 | - | 4 | - | 6,002 |
| Connecticut | 166 | 237 | 60 | 24 | 11 | 1 | 499 | 926 | 131 | 107 | - | 43 | - | 1,207 |
| Delaware | 22 | 52 | 11 | 7 | 1 | 13 | 106 | 364 | 141 | 34 | 5 | 6 | 2 | 552 |
| Dist. of Columbia | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Florida | 1,701 | 740 | 111 | 13 | - | 11 | 2,576 | 4,053 | 321 | 5 | - | - | 11 | 4,390 |
| Georgia 2/ | 4,057 | 1,293 | 215 | - | 4 | 5 | 5,574 | 12,200 | 1,212 | 175 | 14 | 11 | 44 | 13,656 |
| Hawaii | 171 | 111 | 57 | 12 | 9 | 15 | 375 | 256 | 72 | 23 | - | - | - | 351 |
| Idaho | 989 | 236 | 55 | 13 | 2 | - | 1,295 | 5,329 | 27 | 24 | - | - | - | 5,380 |
| Illinois | 3,698 | 1,039 | 94 | - | - | - | 4,831 | 13,325 | 840 | 8 | - | - | 13 | 14,186 |
| Indiana | 842 | 944 | 426 | 18 | - | 5 | 2,235 | 6,876 | 3,289 | 496 | 15 | 17 | - | 10,693 |
| Iowa | 3,540 | 402 | 11 | - | - | - | 3,953 | 13,882 | 402 | 16 | - | - | - | 14,300 |
| Kansas | 3,909 | 392 | 3 | - | - | 2 | 4,306 | 22,699 | 249 | 3 | 5 | - | - | 22,956 |
| Kentucky | 713 | 633 | 195 | 9 | 41 | 15 | 1,606 | 5,168 | 1,410 | 284 | 27 | 65 | 17 | 6,971 |
| Louisiana | 831 | 595 | 127 | 14 | 6 | 45 | 1,618 | 6,419 | 492 | 72 | 60 | 6 | 7 | 7,056 |
| Maine | 487 | 397 | 146 | 22 | 12 | 5 | 1,069 | 2,702 | 411 | 94 | 5 | - | - | 3,212 |
| Maryland 2/ | 257 | 419 | 236 | 17 | 1 | 21 | 951 | 1,305 | 462 | 44 | 33 | 9 | 5 | 1,858 |
| Massachusetts | 386 | 229 | 39 | 15 | - | 2 | 671 | 1,648 | 131 | 4 | - | 12 | - | 1,795 |
| Michigan | 1,819 | 1,533 | 588 | 24 | 58 | 5 | 4,027 | 15,133 | 1,637 | 221 | 7 | - | 25 | 17,023 |
| Minnesota | 4,996 | 916 | 435 | 7 | 21 | 18 | 6,393 | 15,699 | 340 | 128 | - | 7 | 4 | 16,178 |
| Mississippi | 3,173 | 605 | 135 | 1 | 1 | - | 3,915 | 11,438 | 598 | 40 | - | 6 | 10 | 12,092 |
| Missouri | 2,415 | 866 | 90 | - | 26 | - | 3,397 | 17,288 | 630 | 46 | - | 8 | 35 | 18,007 |
| Montana | 2,846 | 134 | 9 | - | - | - | 2,989 | 7,002 | 32 | 16 | 16 | - | 4 | 7,070 |
| Nebraska | 3,979 | 190 | 27 | 2 | 2 | - | 4,200 | 11,402 | 106 | 7 | 4 | 7 | - | 11,526 |
| Nevada | 658 | 33 | 8 | 1 | 30 | - | 730 | 2,092 | 118 | - | - | 9 | 1 | 2,220 |
| New Hampshire | 181 | 214 | 62 | - | 6 | 25 | 488 | 873 | 223 | 85 | 14 | - | 3 | 1,198 |
| New Jersey | 63 | 190 | 132 | 5 | 36 | 61 | 487 | 1,101 | 268 | 180 | 13 | 8 | 10 | 1,580 |
| New Mexico | 1,251 | 403 | 205 | 9 | 3 | - | 1,871 | 3,473 | 324 | 152 | - | 6 | 2 | 3,957 |
| New York | 2,035 | 1,723 | 306 | - | 58 | 1 | 4,123 | 5,042 | 971 | 81 | 5 | 2 | 4 | 6,105 |
| North Carolina | 1,107 | 1,107 | 651 | 40 | 39 | 48 | 2,992 | 5,991 | 1,725 | 594 | 118 | 72 | 154 | 8,654 |
| North Dakota | 2,511 | 2 | - | - | - | - | 2,513 | 11,209 | - | - | - | - | - | 11,209 |
| Ohio | 1,058 | 1,079 | 549 | 15 | 115 | 11 | 2,827 | 9,053 | 1,994 | 515 | 230 | 27 | 38 | 11,857 |
| Oklahoma | 2,376 | 363 | 8 | - | - | 2 | 2,749 | 21,019 | 271 | 56 | - | - | - | 21,346 |
| Oregon | 1,738 | 321 | 135 | 1 | 1 | 8 | 2,204 | 8,715 | 546 | 42 | 15 | - | 3 | 9,321 |
| Pennsylvania | 2,698 | 1,920 | 321 | 81 | 37 | 49 | 5,106 | 6,937 | 929 | 198 | - | - | - | 8,064 |
| Rhode Island | 43 | 32 | 1 | - | - | - | 76 | 165 | 5 | 5 | - | - | - | 175 |
| South Carolina | 1,931 | 1,107 | 582 | - | 25 | 14 | 3,659 | 7,259 | 621 | 221 | 35 | 4 | - | 8,140 |
| South Dakota | 3,246 | 80 | 14 | - | - | - | 3,340 | 12,269 | 181 | 22 | - | - | - | 12,472 |
| Tennessee | 1,841 | 1,031 | 469 | 52 | 12 | 1 | 3,406 | 4,651 | 584 | 91 | 30 | 22 | 6 | 5,384 |
| Texas | 6,900 | 2,214 | 308 | 30 | 15 | 3 | 9,470 | 34,020 | 1,555 | 261 | 15 | 43 | - | 35,894 |
| Utah | 1,159 | 275 | 57 | 24 | 18 | 3 | 1,536 | 3,020 | 242 | 44 | - | - | 5 | 3,311 |
| Vermont | 328 | 289 | 88 | 18 | 7 | 4 | 734 | 1,607 | 292 | 90 | - | 2 | - | 1,991 |
| Virginia | 1,177 | 1,652 | 585 | 20 | 6 | 3 | 3,443 | 7,601 | 1,146 | 945 | 27 | 27 | 3 | 9,749 |
| Washington | 1,493 | 356 | 115 | 12 | 1 | 4 | 1,981 | 7,297 | 528 | 522 | - | 29 | - | 8,376 |
| West Virginia | 889 | 420 | 221 | 14 | 10 | 10 | 1,564 | 5,309 | 559 | 134 | 3 | - | 10 | 6,015 |
| Wisconsin | 2,617 | 1,957 | 388 | 14 | 15 | 5 | 4,996 | 13,147 | 409 | 23 | 2 | 18 | 8 | 13,607 |
| Wyoming | 1,450 | 197 | 24 | - | 4 | - | 1,675 | 2,390 | 37 | 3 | - | - | - | 2,430 |
| U.S. Total | 92,033 | 33,451 | 9,736 | 896 | 791 | 597 | 137,504 | 394,912 | 29,238 | 6,742 | 739 | 578 | 521 | 432,730 |
| Puerto Rico | 72 | 86 | 116 | 11 | - | 5 | 290 | 531 | 162 | 81 | 6 | 3 | - | 783 |
| Grand Total | 92,105 | 33,537 | 9,852 | 907 | 791 | 602 | 137,794 | 395,443 | 29,400 | 6,823 | 745 | 581 | 521 | 433,513 |

**FUNCTIONAL SYSTEM LENGTH - 1997 1/
MILES BY VOLUME - SERVICE FLOW RATIO - URBAN**

TABLE HM-61
SHEET 3 OF 4

OCTOBER 1998

| STATE | VOLUME-SERVICE FLOW RATIO (V/SF) | | | | | | | | | | | | | | | | | | | | |
|-------------------|----------------------------------|-----------|-----------|-----------|-----------|--------|--------|--------------------------------|-----------|-----------|-----------|-----------|--------|-------|--------------------------|-----------|-----------|-----------|-----------|--------|--------|
| | INTERSTATE | | | | | | | OTHER FREEWAYS AND EXPRESSWAYS | | | | | | | OTHER PRINCIPAL ARTERIAL | | | | | | |
| | < 0.21 | 0.21-0.40 | 0.41-0.70 | 0.71-0.79 | 0.80-0.95 | > 0.95 | TOTAL | < 0.21 | 0.21-0.40 | 0.41-0.70 | 0.71-0.79 | 0.80-0.95 | > 0.95 | TOTAL | < 0.21 | 0.21-0.40 | 0.41-0.70 | 0.71-0.79 | 0.80-0.95 | > 0.95 | TOTAL |
| Alabama | 3 | 55 | 153 | 32 | 43 | 18 | 304 | 1 | 4 | 5 | 2 | 5 | 4 | 21 | 132 | 433 | 275 | 68 | 38 | 38 | 984 |
| Alaska | 1 | 14 | 31 | 4 | 1 | 2 | 53 | - | - | - | - | - | - | - | 5 | 19 | 18 | 6 | 4 | 4 | 56 |
| Arizona | 39 | 68 | 42 | 10 | 5 | 8 | 172 | 11 | 51 | 5 | 5 | 11 | 13 | 96 | 125 | 268 | 393 | 108 | 61 | 73 | 1,028 |
| Arkansas | - | 37 | 73 | 6 | 4 | 31 | 151 | 20 | 37 | 32 | 8 | 5 | 7 | 109 | 100 | 206 | 179 | 19 | 35 | 42 | 581 |
| California | 13 | 57 | 290 | 135 | 285 | 287 | 1,067 | 42 | 205 | 381 | 185 | 343 | 242 | 1,398 | 363 | 1,283 | 2,247 | 616 | 578 | 750 | 5,837 |
| Colorado | 31 | 22 | 52 | 25 | 4 | 51 | 185 | 10 | 56 | 75 | 11 | 48 | 30 | 230 | 115 | 199 | 296 | 80 | 71 | 81 | 842 |
| Connecticut | - | 9 | 77 | 48 | 73 | 38 | 245 | 12 | 34 | 74 | 22 | 27 | 29 | 198 | 17 | 150 | 265 | 50 | 48 | 75 | 605 |
| Delaware | - | 3 | 21 | 4 | 5 | 8 | 41 | 7 | 3 | 3 | 1 | - | - | 11 | 7 | 47 | 66 | 7 | 6 | 2 | 135 |
| Dist. of Columbia | - | 1 | 1 | - | 6 | 2 | 10 | - | 2 | 1 | 4 | 8 | 2 | 17 | - | 18 | 30 | 13 | 27 | 10 | 98 |
| Florida | 7 | 43 | 184 | 89 | 54 | 141 | 518 | 54 | 64 | 189 | 24 | 18 | 55 | 404 | 196 | 758 | 1,113 | 170 | 274 | 171 | 2,682 |
| Georgia 2/ | 5 | 18 | 112 | 68 | 77 | 156 | 436 | 15 | 53 | 31 | 10 | 13 | 39 | 161 | 327 | 610 | 564 | 79 | 84 | 94 | 1,758 |
| Hawaii | 5 | 4 | 19 | 8 | 4 | 10 | 50 | 4 | 11 | 11 | 1 | 13 | 5 | 34 | 2 | 39 | 53 | 2 | 24 | 16 | 136 |
| Idaho | 5 | 32 | 30 | 4 | 7 | 4 | 82 | - | - | - | - | - | - | - | 41 | 78 | 69 | 14 | 17 | 15 | 234 |
| Illinois | 11 | 146 | 188 | 26 | 107 | 168 | 646 | 19 | 20 | 27 | 1 | 5 | 3 | 75 | 204 | 689 | 1,013 | 189 | 293 | 218 | 2,606 |
| Indiana | 12 | 148 | 97 | 31 | 14 | 18 | 320 | 26 | 66 | 24 | 3 | 1 | 14 | 134 | 123 | 390 | 465 | 154 | 174 | 246 | 1,552 |
| Iowa | 4 | 40 | 76 | 6 | 12 | 8 | 146 | 8 | - | - | - | - | - | - | 300 | 315 | 84 | 14 | 2 | 3 | 718 |
| Kansas | 22 | 48 | 75 | 13 | 8 | 7 | 173 | 37 | 36 | 49 | 6 | 4 | 3 | 135 | 147 | 298 | 150 | 28 | 9 | 17 | 649 |
| Kentucky | 1 | 10 | 104 | 26 | 40 | 46 | 227 | 39 | 19 | 20 | 9 | 3 | 2 | 92 | 38 | 152 | 191 | 52 | 60 | 146 | 639 |
| Louisiana | 23 | 68 | 116 | 14 | 21 | 39 | 281 | 7 | 7 | 12 | - | 8 | 11 | 45 | 111 | 197 | 259 | 72 | 30 | 169 | 838 |
| Maine | 12 | 21 | 15 | 2 | 3 | 1 | 54 | 5 | 5 | 7 | - | - | - | 1 | 18 | 45 | 45 | 7 | 12 | 49 | 176 |
| Maryland 2/ | 1 | 12 | 75 | 38 | 68 | 58 | 252 | 20 | 52 | 82 | 26 | 34 | 22 | 236 | 47 | 194 | 340 | 57 | 105 | 115 | 858 |
| Massachusetts | 2 | 71 | 155 | 48 | 65 | 62 | 403 | 14 | 69 | 65 | 22 | 29 | 5 | 204 | 68 | 337 | 641 | 110 | 144 | 253 | 1,553 |
| Michigan | 10 | 61 | 203 | 85 | 87 | 54 | 500 | 15 | 52 | 72 | 28 | 33 | 22 | 222 | 147 | 461 | 855 | 93 | 186 | 235 | 1,977 |
| Minnesota | 3 | 12 | 66 | 43 | 56 | 52 | 232 | - | 16 | 39 | 26 | 23 | 38 | 142 | 91 | 203 | 148 | 39 | 33 | 39 | 553 |
| Mississippi | 5 | 32 | 62 | 4 | 17 | 6 | 126 | 20 | 23 | - | - | - | - | 43 | 73 | 273 | 212 | 24 | 32 | 17 | 631 |
| Missouri | 15 | 58 | 112 | 50 | 88 | 46 | 369 | 58 | 73 | 101 | 12 | 23 | 20 | 287 | 156 | 447 | 327 | 68 | 56 | 65 | 1,119 |
| Montana | 30 | 24 | - | - | - | - | 54 | - | - | - | - | - | - | 44 | 64 | 64 | 51 | 5 | 4 | 6 | 174 |
| Nebraska | 2 | 10 | 22 | 7 | 3 | 1 | 45 | - | 5 | 6 | - | 1 | 5 | 17 | 106 | 131 | 141 | 12 | 11 | 18 | 419 |
| Nevada | 20 | 3 | 17 | 9 | 21 | 10 | 80 | 10 | 2 | 11 | 5 | 6 | 7 | 41 | 11 | 81 | 92 | 22 | 4 | 30 | 240 |
| New Hampshire | - | 2 | 29 | 3 | 3 | 10 | 47 | - | 3 | 28 | 1 | 2 | 5 | 39 | 11 | 46 | 70 | 15 | 16 | 15 | 173 |
| New Jersey | - | 18 | 132 | 21 | 54 | 77 | 302 | 22 | 44 | 107 | 36 | 38 | 65 | 312 | 43 | 144 | 444 | 106 | 109 | 460 | 1,306 |
| New Mexico | 26 | 47 | 13 | 4 | 5 | 13 | 108 | 3 | - | - | - | - | - | 3 | 198 | 152 | 94 | 19 | 22 | 38 | 523 |
| New York | 29 | 152 | 257 | 32 | 100 | 132 | 702 | 109 | 250 | 245 | 24 | 31 | 167 | 826 | 167 | 446 | 901 | 313 | 356 | 332 | 2,515 |
| North Carolina | 4 | 7 | 178 | 36 | 51 | 72 | 348 | 25 | 61 | 103 | 18 | 28 | 48 | 283 | 97 | 309 | 483 | 119 | 145 | 207 | 1,360 |
| North Dakota | 27 | 9 | 5 | - | - | - | 41 | - | - | - | - | - | - | - | 52 | 70 | 38 | 2 | 3 | - | 165 |
| Ohio | 3 | 38 | 250 | 76 | 194 | 181 | 742 | 65 | 153 | 105 | 15 | 27 | 16 | 381 | 230 | 608 | 648 | 170 | 145 | 185 | 1,986 |
| Oklahoma | 13 | 51 | 86 | 18 | 19 | 22 | 209 | 39 | 18 | 39 | 9 | 17 | 11 | 133 | 293 | 317 | 116 | 30 | 24 | 23 | 803 |
| Oregon | 9 | 33 | 24 | 15 | 35 | 30 | 146 | - | 30 | 24 | 3 | 7 | 15 | 52 | 78 | 247 | 245 | 33 | 28 | 26 | 657 |
| Pennsylvania | 14 | 123 | 248 | 52 | 50 | 62 | 549 | 60 | 175 | 169 | 29 | 25 | 26 | 484 | 136 | 568 | 990 | 165 | 132 | 277 | 2,268 |
| Rhode Island | - | 8 | 14 | - | 12 | 12 | 46 | 13 | 9 | 27 | 9 | 8 | 2 | 68 | 48 | 127 | 90 | 28 | 28 | 7 | 328 |
| South Carolina | 1 | 5 | 73 | 26 | 36 | 17 | 158 | 7 | 16 | 20 | - | 2 | 22 | 67 | 34 | 198 | 283 | 41 | 48 | 92 | 696 |
| South Dakota | 12 | 28 | 10 | - | - | - | 50 | - | 1 | 2 | - | - | - | 3 | 45 | 34 | 38 | 1 | - | - | 118 |
| Tennessee | 1 | 55 | 100 | 37 | 50 | 93 | 336 | 12 | 32 | 38 | 6 | 14 | 12 | 114 | 71 | 441 | 513 | 58 | 86 | 139 | 1,308 |
| Texas | 62 | 140 | 348 | 114 | 221 | 140 | 1,025 | 113 | 206 | 472 | 68 | 131 | 190 | 1,180 | 1,053 | 1,589 | 1,476 | 307 | 303 | 298 | 5,026 |
| Utah | 21 | 15 | 80 | 15 | 29 | 9 | 169 | - | 3 | 3 | - | 2 | 1 | 9 | 18 | 107 | 109 | 14 | 12 | 12 | 272 |
| Vermont | 6 | 17 | 17 | - | - | - | 40 | 2 | 11 | 5 | - | 1 | 1 | 20 | 2 | 17 | 46 | 7 | 17 | 7 | 96 |
| Virginia | 2 | 53 | 150 | 29 | 81 | 76 | 391 | 14 | 49 | 63 | 5 | 20 | 68 | 219 | 107 | 292 | 388 | 47 | 50 | 245 | 1,129 |
| Washington | 3 | 21 | 67 | 48 | 70 | 53 | 262 | 21 | 60 | 123 | 21 | 29 | 58 | 312 | 79 | 248 | 405 | 103 | 83 | 178 | 1,096 |
| West Virginia | - | 51 | 37 | - | 2 | - | 90 | 7 | 2 | - | - | - | - | 9 | 31 | 71 | 62 | 19 | 12 | 9 | 204 |
| Wisconsin | 12 | 43 | 47 | 19 | 29 | 23 | 173 | 9 | 49 | 67 | 31 | 17 | 4 | 177 | 238 | 396 | 444 | 80 | 95 | 67 | 1,320 |
| Wyoming | 68 | 19 | - | - | - | - | 87 | 3 | - | - | - | - | - | 3 | 99 | 59 | 38 | 2 | 3 | 3 | 204 |
| U.S. Total | 595 | 2,962 | 4,633 | 1,380 | 2,219 | 2,354 | 13,243 | 959 | 2,107 | 2,962 | 686 | 1,060 | 1,290 | 9,064 | 6,237 | 14,878 | 18,503 | 3,857 | 4,139 | 5,617 | 53,231 |
| Puerto Rico | 4 | 30 | 56 | 8 | 22 | 28 | 148 | 6 | 11 | 18 | 2 | 8 | 6 | 51 | 13 | 27 | 91 | 19 | 39 | 59 | 248 |

**FUNCTIONAL SYSTEM LENGTH - 1997 1/
MILES BY VOLUME - SERVICE FLOW RATIO - URBAN**

TABLE HM-61
SHEET 4 OF 4

OCTOBER 1998

| STATE | VOLUME SERVICE FLOW RATIO (V/SF) | | | | | | | | | | | | | |
|-------------------|----------------------------------|-----------|-----------|-----------|-----------|--------|--------|-----------|-----------|-----------|-----------|-----------|--------|--------|
| | MINOR ARTERIAL | | | | | | | COLLECTOR | | | | | | |
| | < 0.21 | 0.21-0.40 | 0.41-0.70 | 0.71-0.79 | 0.80-0.95 | > 0.95 | TOTAL | < 0.21 | 0.21-0.40 | 0.41-0.70 | 0.71-0.79 | 0.80-0.95 | > 0.95 | TOTAL |
| Alabama | 990 | 693 | 240 | 22 | 34 | 7 | 1,986 | 1,558 | 391 | 106 | 36 | 19 | 50 | 2,160 |
| Alaska | 67 | 55 | 57 | 8 | 13 | 4 | 204 | 143 | 51 | 21 | 9 | - | 4 | 228 |
| Arizona | 362 | 429 | 278 | 37 | 94 | 76 | 1,276 | 1,120 | 240 | 232 | 60 | 66 | 31 | 1,749 |
| Arkansas | 532 | 262 | 185 | 39 | 25 | 15 | 1,058 | 753 | 122 | 57 | 4 | 6 | - | 942 |
| California | 2,108 | 2,961 | 2,860 | 345 | 1,194 | 803 | 10,271 | 4,186 | 2,878 | 1,822 | 435 | 314 | 392 | 10,027 |
| Colorado | 489 | 410 | 351 | 33 | 45 | 98 | 1,426 | 589 | 513 | 128 | 4 | 61 | 25 | 1,320 |
| Connecticut | 324 | 576 | 378 | 55 | 81 | 68 | 1,482 | 632 | 363 | 125 | 18 | 40 | 10 | 1,188 |
| Delaware | 18 | 70 | 56 | 2 | 9 | 3 | 158 | 69 | 85 | 55 | 6 | 2 | 7 | 224 |
| Dist. of Columbia | 5 | 55 | 60 | 17 | 10 | 10 | 157 | 26 | 51 | 55 | 9 | 7 | 8 | 156 |
| Florida | 540 | 855 | 999 | 197 | 223 | 203 | 3,017 | 1,910 | 1,789 | 1,369 | 178 | 261 | 345 | 5,852 |
| Georgia 2/ | 880 | 845 | 827 | 139 | 151 | 104 | 2,946 | 781 | 631 | 503 | 24 | 79 | 91 | 2,109 |
| Hawaii | 9 | 28 | 47 | 7 | 9 | 19 | 119 | 77 | 72 | 90 | 22 | 25 | 52 | 338 |
| Idaho | 165 | 168 | 107 | 15 | 23 | 11 | 489 | 314 | 116 | 79 | 10 | 7 | 8 | 534 |
| Illinois | 648 | 921 | 1,133 | 279 | 360 | 483 | 3,824 | 1,472 | 792 | 636 | 141 | 197 | 544 | 3,782 |
| Indiana | 268 | 617 | 795 | 207 | 185 | 347 | 2,419 | 1,159 | 464 | 324 | 67 | 53 | 136 | 2,203 |
| Iowa | 498 | 471 | 285 | 35 | 65 | 3 | 1,357 | 505 | 279 | 128 | 13 | 18 | - | 943 |
| Kansas | 405 | 306 | 196 | 32 | 57 | 76 | 1,072 | 687 | 193 | 45 | 32 | 25 | 31 | 1,013 |
| Kentucky | 241 | 363 | 297 | 40 | 72 | 152 | 1,165 | 412 | 322 | 207 | 53 | 32 | 126 | 1,152 |
| Louisiana | 411 | 341 | 395 | 39 | 145 | 281 | 1,612 | 583 | 280 | 162 | 40 | 39 | 202 | 1,306 |
| Maine | 29 | 80 | 68 | 27 | 16 | 61 | 281 | 224 | 111 | 85 | 9 | 21 | 34 | 484 |
| Maryland 2/ | 177 | 334 | 493 | 93 | 62 | 36 | 1,195 | 559 | 310 | 228 | 37 | 78 | 97 | 1,309 |
| Massachusetts | 883 | 1,074 | 512 | 204 | 285 | 149 | 3,107 | 1,211 | 659 | 336 | 94 | 223 | 5 | 2,528 |
| Michigan | 591 | 966 | 980 | 166 | 229 | 470 | 3,402 | 1,219 | 663 | 450 | 43 | 82 | 77 | 2,534 |
| Minnesota | 447 | 710 | 492 | 119 | 107 | 224 | 2,099 | 805 | 385 | 264 | 10 | 41 | 20 | 1,525 |
| Mississippi | 166 | 238 | 190 | 17 | 39 | 18 | 668 | 489 | 356 | 117 | 7 | 10 | 1 | 980 |
| Missouri | 552 | 611 | 337 | 29 | 69 | 139 | 1,737 | 823 | 391 | 290 | 39 | 27 | 41 | 1,611 |
| Montana | 85 | 88 | 28 | 3 | 8 | 6 | 218 | 241 | 33 | 18 | 1 | 3 | - | 296 |
| Nebraska | 140 | 175 | 132 | 35 | 25 | 31 | 538 | 154 | 126 | 96 | 8 | 24 | 5 | 413 |
| Nevada | 94 | 196 | 179 | 26 | 23 | 39 | 557 | 397 | 172 | 93 | 2 | 27 | 55 | 746 |
| New Hampshire | 71 | 144 | 141 | 22 | 22 | 31 | 431 | 93 | 107 | 53 | 5 | 7 | 16 | 281 |
| New Jersey | 648 | 1,102 | 804 | 160 | 176 | 192 | 3,082 | 728 | 658 | 502 | 118 | 48 | 110 | 2,164 |
| New Mexico | 149 | 74 | 63 | 15 | 5 | 15 | 321 | 293 | 119 | 34 | 8 | 1 | - | 455 |
| New York | 462 | 2,082 | 1,552 | 553 | 256 | 96 | 5,001 | 1,434 | 1,742 | 682 | 22 | 112 | 56 | 4,048 |
| North Carolina | 456 | 689 | 669 | 115 | 182 | 211 | 2,322 | 940 | 337 | 215 | 37 | 47 | 88 | 1,664 |
| North Dakota | 119 | 74 | 56 | 9 | 3 | 5 | 266 | 146 | 54 | 21 | 1 | 2 | 1 | 225 |
| Ohio | 766 | 850 | 1,248 | 205 | 226 | 272 | 3,567 | 1,241 | 1,351 | 644 | 104 | 70 | 119 | 3,529 |
| Oklahoma | 1,136 | 509 | 220 | 10 | 23 | 22 | 1,920 | 830 | 126 | 25 | 1 | 1 | - | 983 |
| Oregon | 425 | 329 | 192 | 32 | 20 | 19 | 1,017 | 876 | 235 | 107 | 8 | 15 | 10 | 1,251 |
| Pennsylvania | 499 | 1,064 | 1,128 | 122 | 115 | 369 | 3,297 | 1,588 | 1,125 | 630 | 85 | 53 | 263 | 3,744 |
| Rhode Island | 147 | 119 | 75 | 11 | 4 | - | 356 | 443 | 61 | 11 | - | - | - | 515 |
| South Carolina | 122 | 310 | 318 | 64 | 86 | 95 | 995 | 751 | 324 | 230 | 33 | 56 | 70 | 1,464 |
| South Dakota | 161 | 63 | 60 | - | - | - | 284 | 147 | 25 | 25 | 2 | - | - | 199 |
| Tennessee | 343 | 653 | 718 | 70 | 154 | 152 | 2,090 | 716 | 454 | 265 | 75 | 30 | 100 | 1,640 |
| Texas | 1,922 | 2,206 | 1,828 | 340 | 419 | 303 | 7,018 | 4,692 | 2,282 | 1,347 | 215 | 339 | 211 | 9,086 |
| Utah | 80 | 205 | 157 | 25 | 10 | 34 | 511 | 273 | 114 | 120 | 25 | 8 | 8 | 548 |
| Vermont | 21 | 62 | 46 | 2 | 17 | 2 | 150 | 106 | 60 | 32 | 10 | - | 4 | 212 |
| Virginia | 892 | 436 | 339 | 76 | 128 | 148 | 2,019 | 1,437 | 293 | 97 | 54 | 14 | 34 | 1,929 |
| Washington | 592 | 575 | 635 | 77 | 95 | 165 | 2,139 | 951 | 529 | 417 | 41 | 44 | 58 | 2,040 |
| West Virginia | 84 | 126 | 98 | 19 | 49 | 42 | 418 | 333 | 59 | 40 | 1 | 7 | 4 | 444 |
| Wisconsin | 463 | 761 | 487 | 101 | 94 | 97 | 2,003 | 880 | 441 | 138 | 8 | 24 | 10 | 1,501 |
| Wyoming | 85 | 45 | 17 | 2 | 1 | 2 | 152 | 347 | 79 | 31 | 5 | 9 | 2 | 473 |
| U.S. Total | 21,767 | 27,376 | 23,808 | 4,297 | 5,743 | 6,208 | 89,199 | 42,343 | 23,413 | 13,787 | 2,269 | 2,674 | 3,561 | 88,047 |
| Puerto Rico | 71 | 130 | 153 | 32 | 52 | 63 | 501 | 224 | 198 | 106 | 6 | 8 | 59 | 601 |
| Grand Total | 21,838 | 27,506 | 23,961 | 4,329 | 5,795 | 6,271 | 89,700 | 42,567 | 23,611 | 13,893 | 2,275 | 2,682 | 3,620 | 88,648 |

1/ In 1995, updated capacity (service flow) calculation procedures were instituted in the HPMS data reporting process. The procedures are based on the Highway Capacity Manual, Third Edition, 1994, published by the Transportation Research Board.

2/ 1996 data.