

NATIONAL HIGHWAY SYSTEM LENGTH - 1998
PAVED MILES BY MEASURED PAVEMENT ROUGHNESS - RURAL

TABLE HM-47
SHEET 1 OF 4

OCTOBER 1999

| STATE | INTERNATIONAL ROUGHNESS INDEX (IRI) 1/ | | | | | | | | | | | | | | | | | | | |
|-------------------|--|-------|--------|--------|---------|---------|---------|---------|-------|----------------|--------------|-------|--------|--------|---------|---------|---------|---------|-------|----------------|
| | INTERSTATE SYSTEM 2/ | | | | | | | | | | OTHER | | | | | | | | | |
| | NOT REPORTED | < 60 | 60-94 | 95-119 | 120-144 | 145-170 | 171-194 | 195-220 | > 220 | TOTAL REPORTED | NOT REPORTED | < 60 | 60-94 | 95-119 | 120-144 | 145-170 | 171-194 | 195-220 | > 220 | TOTAL REPORTED |
| Alabama | - | 94 | 348 | 95 | 43 | 21 | - | - | - | 601 | - | 154 | 1,107 | 592 | 140 | 40 | 10 | 2 | 7 | 2,052 |
| Alaska | - | 12 | 238 | 337 | 326 | 30 | 69 | 13 | 5 | 1,030 | 455 | 6 | 95 | 107 | 196 | 20 | 36 | 30 | 1 | 491 |
| Arizona | - | 363 | 518 | 76 | 24 | 2 | 12 | 1 | 1 | 997 | - | 131 | 361 | 318 | 161 | 82 | 47 | 16 | 22 | 1,138 |
| Arkansas | - | - | 56 | 38 | 50 | 83 | 51 | 49 | 66 | 393 | 22 | 9 | 608 | 572 | 311 | 182 | 74 | 37 | 13 | 1,806 |
| California | - | 7 | 608 | 298 | 240 | 124 | 40 | 13 | 27 | 1,357 | - | 24 | 1,020 | 1,076 | 852 | 432 | 87 | 47 | 2 | 3,540 |
| Colorado | - | 9 | 187 | 154 | 177 | 137 | 38 | 56 | 11 | 769 | - | 6 | 229 | 459 | 415 | 257 | 96 | 150 | 223 | 1,835 |
| Connecticut | - | 1 | 66 | 15 | 13 | 4 | 1 | - | 2 | 102 | - | 3 | 58 | 84 | 61 | 30 | 11 | 4 | 3 | 254 |
| Delaware | - | - | - | - | - | - | - | - | - | - | - | 4 | 78 | 85 | 21 | 2 | 3 | 3 | 1 | 197 |
| Dist. of Columbia | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Florida | 45 | 703 | 70 | 45 | 75 | 16 | - | - | - | 909 | 33 | 890 | 651 | 122 | 47 | 29 | 2 | 6 | 5 | 1,752 |
| Georgia | - | 620 | 175 | 12 | - | - | - | - | - | 807 | - | 2,065 | 387 | 32 | 1 | 2 | - | - | - | 2,487 |
| Hawaii | 6 | - | - | - | - | - | - | - | - | - | 139 | - | - | - | - | - | - | - | - | - |
| Idaho | - | 168 | 257 | 83 | 10 | - | 7 | - | 1 | 526 | - | 276 | 647 | 461 | 200 | 65 | 9 | 4 | 3 | 1,665 |
| Illinois | 1,518 | - | - | - | - | - | - | - | - | - | 1,860 | - | - | - | - | - | - | - | - | - |
| Indiana | - | 292 | 393 | 76 | 34 | 58 | - | - | - | 853 | 4 | 163 | 489 | 269 | 199 | 114 | 35 | 1 | 1 | 1,271 |
| Iowa | - | 61 | 323 | 203 | 41 | 6 | 1 | - | - | 635 | 61 | 216 | 781 | 350 | 202 | 126 | 14 | 18 | 1 | 1,928 |
| Kansas | - | 254 | 303 | 50 | 69 | 15 | 7 | - | - | 698 | 61 | 622 | 1,306 | 390 | 153 | 76 | 19 | 15 | 3 | 2,584 |
| Kentucky | - | 131 | 215 | 33 | 102 | 54 | - | - | - | 535 | - | 252 | 1,023 | 192 | 144 | 111 | 8 | - | - | 1,730 |
| Louisiana | 37 | - | 140 | 145 | 91 | 142 | - | 27 | 6 | 574 | 22 | 13 | 371 | 235 | 184 | 156 | 108 | 64 | 37 | 1,168 |
| Maine | 41 | 38 | 206 | 26 | 2 | - | - | - | - | 272 | 7 | 101 | 398 | 170 | 64 | 25 | 9 | 7 | 7 | 781 |
| Maryland | - | 12 | 164 | 45 | 6 | 1 | 1 | - | - | 229 | - | 49 | 330 | 117 | 30 | 18 | 9 | 3 | 3 | 559 |
| Massachusetts | - | 3 | 86 | 65 | 6 | - | - | - | 1 | 161 | 13 | - | 97 | 121 | 41 | 32 | 10 | 10 | 2 | 313 |
| Michigan | - | 35 | 257 | 172 | 130 | 82 | 42 | 20 | 4 | 742 | 7 | 287 | 853 | 497 | 330 | 200 | 65 | 41 | 29 | 2,302 |
| Minnesota | - | 47 | 299 | 165 | 85 | 30 | 35 | 10 | 10 | 681 | - | 436 | 847 | 570 | 375 | 149 | 96 | 41 | 63 | 2,577 |
| Mississippi | - | 12 | 212 | 152 | 69 | 83 | 23 | 1 | 5 | 557 | - | 15 | 562 | 456 | 382 | 180 | 36 | 36 | 21 | 1,688 |
| Missouri | - | 7 | 230 | 260 | 213 | 79 | 16 | 1 | - | 806 | 1 | 57 | 491 | 790 | 684 | 377 | 125 | 23 | 22 | 2,569 |
| Montana | - | 275 | 576 | 154 | 76 | 43 | 5 | 5 | - | 1,134 | - | 259 | 1,355 | 530 | 226 | 140 | 63 | 24 | 9 | 2,606 |
| Nebraska | - | 95 | 139 | 57 | 63 | 57 | 25 | - | - | 436 | - | 419 | 732 | 353 | 318 | 155 | 152 | 90 | 44 | 2,263 |
| Nevada | - | 228 | 145 | 42 | 24 | 12 | 21 | 4 | 4 | 480 | - | 165 | 626 | 195 | 338 | 87 | 23 | - | 2 | 1,436 |
| New Hampshire | - | 51 | 95 | 24 | 6 | - | - | - | - | 176 | - | 64 | 234 | 85 | 30 | 20 | 12 | 7 | 5 | 457 |
| New Jersey | 6 | - | 32 | 34 | 18 | 6 | 12 | 8 | 3 | 113 | 94 | - | 43 | 89 | 106 | 76 | 41 | 36 | 61 | 452 |
| New Mexico | - | 204 | 364 | 217 | 56 | 27 | 16 | 7 | 1 | 892 | - | 78 | 553 | 422 | 314 | 169 | 68 | 57 | 81 | 1,742 |
| New York | - | - | 521 | 151 | 79 | 26 | 10 | 2 | 7 | 796 | 6 | 2 | 1,024 | 351 | 169 | 150 | 113 | 64 | 93 | 1,966 |
| North Carolina | - | 28 | 161 | 109 | 109 | 144 | 63 | 21 | 1 | 636 | 44 | 19 | 823 | 473 | 412 | 261 | 84 | 31 | 26 | 2,129 |
| North Dakota | - | 73 | 314 | 105 | 38 | - | - | - | - | 530 | - | 195 | 1,048 | 589 | 169 | 37 | 42 | 7 | 2 | 2,089 |
| Ohio | - | 328 | 427 | 55 | 19 | 1 | - | - | - | 830 | - | 351 | 1,173 | 179 | 85 | 33 | 10 | 2 | 3 | 1,836 |
| Oklahoma | - | 81 | 351 | 147 | 105 | 14 | 22 | 1 | 1 | 722 | - | 45 | 942 | 528 | 292 | 186 | 76 | 24 | 17 | 2,110 |
| Oregon | - | - | 4 | 39 | 151 | 165 | 103 | 77 | 41 | 580 | 4 | - | 517 | 1,110 | 769 | 163 | 46 | 30 | 47 | 2,682 |
| Pennsylvania | - | 42 | 713 | 297 | 101 | 41 | 6 | - | 1 | 1,201 | 1 | 106 | 849 | 592 | 368 | 212 | 81 | 39 | 17 | 2,264 |
| Rhode Island | - | - | 18 | 4 | - | - | - | - | - | 22 | - | - | 26 | 21 | 12 | 6 | 1 | 1 | - | 67 |
| South Carolina | - | 271 | 289 | 91 | 21 | - | - | - | - | 672 | - | 76 | 509 | 334 | 192 | 95 | 26 | 22 | 19 | 1,273 |
| South Dakota | 23 | - | 199 | 175 | 83 | 112 | 33 | 3 | - | 605 | 95 | 17 | 406 | 459 | 526 | 345 | 200 | 87 | 57 | 2,097 |
| Tennessee | 637 | 20 | 62 | 4 | 12 | - | - | - | - | 98 | 1,317 | 19 | 117 | 19 | 12 | 7 | - | - | - | 174 |
| Texas | - | 303 | 1,411 | 351 | 99 | 49 | 2 | - | 1 | 2,216 | - | 691 | 2,880 | 1,925 | 645 | 179 | 47 | 19 | 25 | 6,411 |
| Utah | - | 239 | 318 | 117 | 49 | 31 | 13 | 3 | - | 770 | - | 88 | 536 | 224 | 114 | 41 | 5 | 2 | 2 | 1,012 |
| Vermont | - | 100 | 146 | 19 | 13 | 3 | - | - | - | 281 | - | 13 | 69 | 55 | 75 | 53 | 23 | 11 | 19 | 318 |
| Virginia | - | 7 | 356 | 284 | 56 | 9 | 4 | - | - | 716 | - | 6 | 545 | 490 | 234 | 117 | 52 | 23 | 22 | 1,489 |
| Washington | - | 211 | 218 | 51 | 19 | - | 2 | - | - | 501 | 11 | 344 | 1,259 | 343 | 81 | 31 | 5 | 4 | 2 | 2,069 |
| West Virginia | - | 78 | 214 | 69 | 56 | 33 | 3 | 2 | - | 455 | - | 153 | 424 | 257 | 157 | 62 | 13 | 5 | 8 | 1,079 |
| Wisconsin | - | 46 | 199 | 145 | 135 | 42 | 8 | 1 | - | 576 | - | 130 | 716 | 607 | 475 | 310 | 170 | 118 | 114 | 2,640 |
| Wyoming | - | 252 | 369 | 134 | 52 | 19 | - | - | - | 826 | - | 575 | 1,185 | 140 | 38 | 16 | 4 | - | - | 1,958 |
| U.S. Total | 2,313 | 5,801 | 12,992 | 5,420 | 3,246 | 1,801 | 718 | 304 | 216 | 30,498 | 4,268 | 9,594 | 31,380 | 18,435 | 11,350 | 5,751 | 2,378 | 1,257 | 1,161 | 81,306 |
| Puerto Rico | - | - | 5 | 24 | 51 | 15 | 5 | - | 3 | 103 | 22 | - | - | 2 | 1 | 16 | 5 | - | - | 24 |
| Grand Total | 2,313 | 5,801 | 12,997 | 5,444 | 3,297 | 1,816 | 723 | 304 | 219 | 30,601 | 4,290 | 9,594 | 31,380 | 18,437 | 11,351 | 5,767 | 2,383 | 1,257 | 1,161 | 81,330 |

NATIONAL HIGHWAY SYSTEM LENGTH - 1998
PAVED MILES BY MEASURED PAVEMENT ROUGHNESS - RURAL

TABLE HM-47
SHEET 2 OF 4

OCTOBER 1999

| STATE | INTERNATIONAL ROUGHNESS INDEX (IRI) 1/ | | | | | | | | | |
|-------------------|--|--------|--------|--------|---------|---------|---------|---------|-------|-------------------|
| | TOTAL RURAL NHS | | | | | | | | | TOTAL REPORTED |
| | NOT REPORTED | < 60 | 60-94 | 95-119 | 120-144 | 145-170 | 171-194 | 195-220 | > 220 | |
| Alabama | - | 248 | 1,455 | 687 | 183 | 61 | 10 | 2 | 7 | 2,653 |
| Alaska | 455 | 18 | 333 | 444 | 522 | 50 | 105 | 43 | 6 | 1,521 |
| Arizona | - | 494 | 879 | 394 | 185 | 84 | 59 | 17 | 23 | 2,135 |
| Arkansas | 22 | 9 | 664 | 610 | 361 | 265 | 125 | 86 | 79 | 2,199 |
| California | - | 31 | 1,628 | 1,374 | 1,092 | 556 | 127 | 60 | 29 | 4,897 |
| Colorado | - | 15 | 416 | 613 | 592 | 394 | 134 | 206 | 234 | 2,604 |
| Connecticut | - | 4 | 124 | 99 | 74 | 34 | 12 | 4 | 5 | 356 |
| Delaware | - | 4 | 78 | 85 | 21 | 2 | 3 | 3 | 1 | 197 |
| Dist. of Columbia | - | - | - | - | - | - | - | - | - | - |
| Florida | 78 | 1,593 | 721 | 167 | 122 | 45 | 2 | 6 | 5 | 2,661 |
| Georgia | 11 | 2,685 | 562 | 44 | 1 | 2 | - | - | - | 3,294 |
| Hawaii | 145 | - | - | - | - | - | - | - | - | - |
| Idaho | - | 444 | 904 | 544 | 210 | 65 | 16 | 4 | 4 | 2,191 |
| Illinois | 3,378 | - | - | - | - | - | - | - | - | - |
| Indiana | 4 | 455 | 882 | 345 | 233 | 172 | 35 | 1 | 1 | 2,124 |
| Iowa | 61 | 277 | 1,104 | 553 | 243 | 227 | 127 | 14 | 18 | 2,563 |
| Kansas | 61 | 876 | 1,609 | 440 | 222 | 91 | 26 | 15 | 3 | 3,282 |
| Kentucky | - | 383 | 1,238 | 225 | 246 | 165 | 8 | - | - | 2,265 |
| Louisiana | 59 | 13 | 511 | 380 | 275 | 298 | 135 | 70 | 60 | 1,742 |
| Maine | 48 | 139 | 604 | 196 | 66 | 25 | 9 | 7 | 7 | 1,053 |
| Maryland | - | 61 | 494 | 162 | 36 | 19 | 10 | 3 | 3 | 788 |
| Massachusetts | 13 | 3 | 183 | 186 | 47 | 32 | 10 | 10 | 3 | 474 |
| Michigan | 7 | 322 | 1,110 | 669 | 460 | 282 | 107 | 61 | 33 | 3,044 |
| Minnesota | - | 483 | 1,146 | 735 | 460 | 179 | 131 | 51 | 73 | 3,258 |
| Mississippi | - | 27 | 774 | 608 | 451 | 263 | 59 | 37 | 26 | 2,245 |
| Missouri | 1 | 64 | 721 | 1,050 | 897 | 456 | 141 | 24 | 22 | 3,375 |
| Montana | - | 534 | 1,931 | 684 | 302 | 183 | 68 | 29 | 9 | 3,740 |
| Nebraska | - | 514 | 871 | 410 | 381 | 212 | 177 | 90 | 44 | 2,699 |
| Nevada | - | 393 | 771 | 237 | 362 | 99 | 44 | 4 | 6 | 1,916 |
| New Hampshire | - | 115 | 329 | 109 | 36 | 20 | 12 | 7 | 5 | 633 |
| New Jersey | 100 | - | 75 | 123 | 124 | 82 | 53 | 44 | 64 | 565 |
| New Mexico | - | 282 | 917 | 639 | 370 | 196 | 84 | 64 | 82 | 2,634 |
| New York | 6 | 2 | 1,545 | 502 | 248 | 176 | 123 | 66 | 100 | 2,762 |
| North Carolina | 44 | 47 | 984 | 582 | 521 | 405 | 147 | 52 | 27 | 2,765 |
| North Dakota | - | 268 | 1,362 | 694 | 207 | 37 | 42 | 7 | 2 | 2,619 |
| Ohio | - | 679 | 1,600 | 234 | 104 | 34 | 10 | 2 | 3 | 2,666 |
| Oklahoma | - | 126 | 1,293 | 675 | 397 | 200 | 98 | 25 | 18 | 2,832 |
| Oregon | 4 | - | 521 | 1,149 | 920 | 328 | 149 | 107 | 88 | 3,262 |
| Pennsylvania | 1 | 148 | 1,562 | 889 | 469 | 253 | 87 | 39 | 18 | 3,465 |
| Rhode Island | - | - | 44 | 25 | 12 | 6 | 1 | 1 | - | 89 |
| South Carolina | - | 347 | 798 | 425 | 213 | 95 | 26 | 22 | 19 | 1,945 |
| South Dakota | 118 | 17 | 605 | 634 | 609 | 457 | 233 | 90 | 57 | 2,702 |
| Tennessee | 1,954 | 39 | 179 | 23 | 24 | 7 | - | - | - | 272 |
| Texas | - | 994 | 4,291 | 2,276 | 744 | 228 | 49 | 19 | 26 | 8,627 |
| Utah | - | 327 | 854 | 341 | 163 | 72 | 18 | 5 | 2 | 1,782 |
| Vermont | - | 113 | 215 | 74 | 88 | 56 | 23 | 11 | 19 | 599 |
| Virginia | - | 13 | 901 | 774 | 290 | 126 | 56 | 23 | 22 | 2,205 |
| Washington | 11 | 555 | 1,477 | 394 | 100 | 31 | 7 | 4 | 2 | 2,570 |
| West Virginia | - | 231 | 638 | 326 | 213 | 95 | 16 | 7 | 8 | 1,534 |
| Wisconsin | - | 176 | 915 | 752 | 610 | 352 | 178 | 119 | 114 | 3,216 |
| Wyoming | - | 827 | 1,554 | 274 | 90 | 35 | 4 | - | - | 2,784 |
| U.S. Total | 6,581 | 15,395 | 44,372 | 23,855 | 14,596 | 7,552 | 3,096 | 1,561 | 1,377 | 111,804 |
| Puerto Rico | 22 | - | 5 | 26 | 52 | 31 | 10 | - | 3 | 127 |
| Grand Total | 6,603 | 15,395 | 44,377 | 23,881 | 14,648 | 7,583 | 3,106 | 1,561 | 1,380 | 111,931 |

NATIONAL HIGHWAY SYSTEM LENGTH - 1998
PAVED MILES BY MEASURED PAVEMENT ROUGHNESS - URBAN

TABLE HM-47
SHEET 3 OF 4

OCTOBER 1999

| STATE | INTERNATIONAL ROUGHNESS INDEX (IRI) 1/ | | | | | | | | | | | | | | | | | | | |
|-------------------|--|-------|-------|--------|---------|---------|---------|---------|-------|--------|--------------|-------|-------|--------|---------|---------|---------|---------|-------|--------|
| | INTERSTATE SYSTEM 2/ | | | | | | | | | | OTHER | | | | | | | | | |
| | NOT REPORTED | < 60 | 60-94 | 95-119 | 120-144 | 145-170 | 171-194 | 195-220 | > 220 | TOTAL | NOT REPORTED | < 60 | 60-94 | 95-119 | 120-144 | 145-170 | 171-194 | 195-220 | > 220 | TOTAL |
| Alabama | - | 23 | 127 | 70 | 44 | 35 | 5 | - | - | 304 | 16 | 70 | 313 | 199 | 66 | 23 | 4 | 3 | 3 | 681 |
| Alaska | - | - | 22 | 24 | 5 | 2 | - | - | - | 53 | - | - | 9 | 34 | 15 | 8 | 5 | 1 | - | 72 |
| Arizona | - | 34 | 85 | 24 | 26 | 1 | 2 | - | - | 172 | - | 51 | 112 | 75 | 60 | 30 | 20 | 7 | 11 | 366 |
| Arkansas | 1 | 2 | 14 | 34 | 28 | 24 | 17 | 15 | 13 | 147 | 21 | 1 | 64 | 48 | 28 | 46 | 16 | 14 | 21 | 238 |
| California | - | 24 | 146 | 201 | 285 | 231 | 103 | 62 | 18 | 1,070 | - | 32 | 234 | 261 | 438 | 277 | 113 | 56 | 42 | 1,453 |
| Colorado | - | 2 | 51 | 36 | 44 | 34 | 7 | 1 | 8 | 183 | - | 3 | 64 | 153 | 119 | 105 | 31 | 64 | 38 | 577 |
| Connecticut | - | 1 | 85 | 78 | 40 | 22 | 10 | 5 | 4 | 245 | 1 | - | 62 | 90 | 78 | 59 | 40 | 17 | 17 | 363 |
| Delaware | - | - | 7 | 11 | 8 | 3 | 6 | 3 | 3 | 41 | - | 3 | 25 | 24 | 7 | 2 | 1 | 1 | 2 | 65 |
| Dist. of Columbia | - | - | 1 | 2 | 4 | 1 | 1 | 2 | 2 | 13 | 4 | 1 | - | - | 5 | 4 | 3 | 7 | 62 | 82 |
| Florida | 41 | 271 | 114 | 40 | 29 | 23 | - | - | - | 477 | 98 | 346 | 415 | 84 | 74 | 13 | 7 | 6 | 4 | 949 |
| Georgia | - | 351 | 80 | 3 | 2 | - | - | - | - | 436 | 25 | 550 | 200 | 26 | 17 | - | - | - | - | 793 |
| Hawaii | 49 | - | - | - | - | - | - | - | - | - | 106 | - | - | - | - | - | - | - | - | - |
| Idaho | - | 17 | 36 | 8 | 12 | 11 | - | 1 | - | 85 | 8 | 7 | 22 | 16 | 18 | 9 | 8 | 3 | 5 | 88 |
| Illinois | 647 | - | - | - | - | - | - | - | - | - | 1,669 | - | - | - | - | - | - | - | - | - |
| Indiana | - | 63 | 150 | 61 | 16 | 15 | 10 | 3 | - | 318 | 17 | 15 | 78 | 74 | 62 | 47 | 43 | 14 | 24 | 357 |
| Iowa | - | - | 50 | 32 | 34 | 10 | 19 | 2 | - | 147 | 52 | 7 | 77 | 67 | 45 | 48 | 15 | 5 | 26 | 290 |
| Kansas | 3 | 20 | 69 | 66 | 12 | 4 | - | - | - | 171 | 60 | 25 | 67 | 33 | 30 | 15 | 8 | 2 | 4 | 184 |
| Kentucky | - | 44 | 91 | 29 | 29 | 24 | 2 | 1 | 6 | 226 | - | 15 | 170 | 100 | 32 | 44 | 14 | 11 | 2 | 388 |
| Louisiana | 23 | - | 11 | 73 | 33 | 80 | 43 | 4 | 15 | 259 | 80 | 6 | 68 | 50 | 57 | 56 | 60 | 44 | 86 | 427 |
| Maine | 10 | 6 | 27 | 1 | 1 | - | - | - | - | 42 | 19 | 2 | 48 | 25 | 13 | 12 | 5 | 4 | 6 | 115 |
| Maryland | - | 5 | 109 | 66 | 32 | 16 | 11 | 8 | 6 | 253 | - | 12 | 107 | 91 | 51 | 45 | 28 | 25 | 41 | 400 |
| Massachusetts | 2 | - | 187 | 135 | 49 | 27 | 1 | 2 | 1 | 402 | 342 | - | 99 | 208 | 143 | 114 | 59 | 47 | 47 | 717 |
| Michigan | - | 15 | 129 | 131 | 95 | 56 | 41 | 18 | 15 | 500 | 14 | 10 | 98 | 161 | 159 | 188 | 148 | 118 | 278 | 1,160 |
| Minnesota | - | 21 | 113 | 51 | 31 | 10 | 4 | 2 | - | 232 | - | 49 | 143 | 98 | 82 | 34 | 26 | 11 | 19 | 462 |
| Mississippi | - | 1 | 13 | 28 | 58 | 19 | 3 | 5 | 1 | 128 | - | 2 | 75 | 47 | 57 | 37 | 15 | 11 | 17 | 261 |
| Missouri | - | 1 | 51 | 128 | 102 | 61 | 16 | 7 | 5 | 371 | 23 | - | 40 | 112 | 149 | 120 | 71 | 59 | 44 | 595 |
| Montana | - | 4 | 29 | 16 | 6 | 2 | - | 1 | - | 58 | - | - | 11 | 17 | 15 | 7 | 4 | 4 | 5 | 63 |
| Nebraska | - | 2 | 18 | 7 | 9 | 4 | 4 | 1 | - | 45 | 12 | 4 | 17 | 22 | 40 | 30 | 42 | 20 | 58 | 233 |
| Nevada | - | 14 | 33 | 13 | 15 | 10 | 1 | - | - | 86 | - | 8 | 59 | 24 | 12 | 7 | 3 | 3 | 3 | 119 |
| New Hampshire | - | 14 | 26 | 7 | - | - | 1 | - | - | 48 | - | 9 | 59 | 18 | 11 | 11 | 2 | 2 | 2 | 114 |
| New Jersey | 17 | - | 26 | 72 | 35 | 44 | 46 | 17 | 44 | 284 | 214 | - | 84 | 171 | 216 | 183 | 76 | 77 | 67 | 874 |
| New Mexico | - | 21 | 25 | 30 | 13 | 6 | 9 | 3 | 1 | 108 | 9 | 3 | 27 | 59 | 35 | 21 | 9 | 7 | 9 | 170 |
| New York | 4 | - | 258 | 131 | 79 | 66 | 57 | 32 | 76 | 699 | 38 | 6 | 319 | 286 | 236 | 196 | 120 | 115 | 360 | 1,638 |
| North Carolina | - | 1 | 128 | 64 | 73 | 31 | 19 | 26 | 11 | 353 | 12 | 1 | 135 | 85 | 87 | 70 | 43 | 15 | 22 | 458 |
| North Dakota | - | 14 | 17 | 9 | - | - | - | - | - | 40 | - | 4 | 22 | 10 | 7 | 10 | 5 | 1 | 3 | 62 |
| Ohio | - | 195 | 392 | 105 | 31 | 15 | 4 | 1 | - | 743 | - | 67 | 342 | 208 | 141 | 69 | 36 | 23 | 32 | 918 |
| Oklahoma | - | 3 | 61 | 43 | 32 | 30 | 19 | 11 | 9 | 208 | - | - | 73 | 64 | 53 | 43 | 23 | 13 | 7 | 276 |
| Oregon | - | - | - | 6 | 15 | 33 | 29 | 26 | 37 | 146 | - | - | 21 | 97 | 106 | 69 | 22 | 15 | 71 | 401 |
| Pennsylvania | 3 | 7 | 247 | 156 | 85 | 33 | 13 | 4 | 2 | 547 | 4 | 15 | 241 | 281 | 290 | 268 | 157 | 95 | 95 | 1,442 |
| Rhode Island | - | - | 15 | 13 | 11 | 6 | 1 | - | - | 46 | 2 | - | 47 | 34 | 26 | 7 | 4 | 2 | 1 | 121 |
| South Carolina | - | 39 | 79 | 24 | 11 | 1 | 2 | 1 | - | 157 | - | 18 | 162 | 119 | 69 | 55 | 20 | 14 | 19 | 476 |
| South Dakota | 3 | - | 4 | 8 | 9 | 20 | 6 | - | - | 47 | 34 | - | 3 | 3 | 7 | 7 | 2 | - | 7 | 29 |
| Tennessee | 237 | 4 | 57 | 17 | 11 | 8 | 3 | 1 | 1 | 102 | 531 | 8 | 52 | 18 | 9 | 5 | 1 | 2 | 3 | 98 |
| Texas | - | 30 | 346 | 309 | 241 | 72 | 18 | 1 | 1 | 1,018 | - | 140 | 752 | 793 | 709 | 443 | 422 | 87 | 102 | 3,448 |
| Utah | - | 31 | 46 | 36 | 27 | 13 | 12 | 2 | - | 167 | - | 30 | 79 | 53 | 24 | 20 | 7 | 5 | 6 | 224 |
| Vermont | - | 9 | 29 | 2 | - | - | - | - | - | 40 | - | - | 8 | 12 | 11 | 7 | 5 | 3 | 9 | 55 |
| Virginia | - | 2 | 94 | 162 | 95 | 29 | 6 | 12 | 1 | 401 | - | - | 145 | 233 | 186 | 110 | 55 | 58 | 58 | 845 |
| Washington | - | 65 | 108 | 29 | 24 | 27 | 5 | 4 | - | 262 | 124 | 41 | 201 | 73 | 48 | 25 | 13 | 6 | 12 | 419 |
| West Virginia | - | 21 | 43 | 13 | 9 | 5 | 3 | - | 1 | 95 | - | 14 | 43 | 25 | 16 | 10 | 5 | 2 | 2 | 117 |
| Wisconsin | - | 5 | 23 | 35 | 45 | 41 | 11 | 5 | 4 | 169 | - | 1 | 71 | 88 | 123 | 140 | 93 | 75 | 161 | 752 |
| Wyoming | - | 7 | 37 | 19 | 17 | 6 | 1 | - | - | 87 | - | 24 | 40 | 5 | 4 | 2 | - | 2 | 1 | 78 |
| U.S. Total | 1,040 | 1,389 | 3,909 | 2,664 | 1,912 | 1,212 | 571 | 289 | 285 | 12,376 | 3,535 | 1,600 | 5,603 | 4,874 | 4,286 | 3,151 | 1,909 | 1,176 | 1,914 | 24,513 |
| Puerto Rico | 2 | - | 5 | 35 | 39 | 25 | 16 | 8 | 17 | 145 | 5 | - | 1 | 21 | 8 | 28 | 11 | 7 | 10 | 86 |
| Grand Total | 1,042 | 1,389 | 3,914 | 2,699 | 1,951 | 1,237 | 587 | 297 | 302 | 12,376 | 3,540 | 1,600 | 5,604 | 4,895 | 4,294 | 3,179 | 1,920 | 1,183 | 1,924 | 24,599 |

NATIONAL HIGHWAY SYSTEM LENGTH - 1998
PAVED MILES BY MEASURED PAVEMENT ROUGHNESS - URBAN

TABLE HM-47
SHEET 4 OF 4

OCTOBER 1999

| STATE | INTERNATIONAL ROUGHNESS INDEX (IRI) 1/ | | | | | | | | | |
|-------------------|--|-------|-------|--------|---------|---------|---------|---------|-------|-------------------|
| | TOTAL URBAN NHS | | | | | | | | | TOTAL REPORTED |
| | NOT REPORTED | < 60 | 60-94 | 95-119 | 120-144 | 145-170 | 171-194 | 195-220 | > 220 | |
| Alabama | 16 | 93 | 440 | 269 | 110 | 58 | 9 | 3 | 3 | 985 |
| Alaska | - | - | 31 | 58 | 20 | 10 | 5 | 1 | - | 125 |
| Arizona | - | 85 | 197 | 99 | 86 | 31 | 22 | 7 | 11 | 538 |
| Arkansas | 22 | 3 | 78 | 82 | 56 | 70 | 33 | 29 | 34 | 385 |
| California | - | 56 | 380 | 462 | 723 | 508 | 216 | 118 | 60 | 2,523 |
| Colorado | - | 5 | 115 | 189 | 163 | 139 | 38 | 65 | 46 | 760 |
| Connecticut | 1 | 1 | 147 | 168 | 118 | 81 | 50 | 22 | 21 | 608 |
| Delaware | - | 3 | 32 | 35 | 15 | 5 | 7 | 4 | 5 | 106 |
| Dist. of Columbia | 4 | 1 | 1 | 2 | 9 | 5 | 4 | 9 | 64 | 95 |
| Florida | 139 | 617 | 529 | 124 | 103 | 36 | 7 | 6 | 4 | 1,426 |
| Georgia | 25 | 901 | 280 | 29 | 19 | - | - | - | - | 1,229 |
| Hawaii | 155 | - | - | - | - | - | - | - | - | - |
| Idaho | 8 | 24 | 58 | 24 | 30 | 20 | 8 | 4 | 5 | 173 |
| Illinois | 2,316 | - | - | - | - | - | - | - | - | - |
| Indiana | 17 | 78 | 228 | 135 | 78 | 62 | 53 | 17 | 24 | 675 |
| Iowa | 52 | 7 | 127 | 99 | 79 | 58 | 34 | 7 | 26 | 437 |
| Kansas | 63 | 45 | 136 | 99 | 42 | 19 | 8 | 2 | 4 | 355 |
| Kentucky | - | 59 | 261 | 129 | 61 | 68 | 16 | 12 | 8 | 614 |
| Louisiana | 103 | 6 | 79 | 123 | 90 | 136 | 103 | 48 | 101 | 686 |
| Maine | 29 | 8 | 75 | 32 | 14 | 13 | 5 | 4 | 6 | 157 |
| Maryland | - | 17 | 216 | 157 | 83 | 61 | 39 | 33 | 47 | 653 |
| Massachusetts | 344 | - | 286 | 343 | 192 | 141 | 60 | 49 | 48 | 1,119 |
| Michigan | 14 | 25 | 227 | 292 | 254 | 244 | 189 | 136 | 293 | 1,660 |
| Minnesota | - | 70 | 256 | 149 | 113 | 44 | 30 | 13 | 19 | 694 |
| Mississippi | - | 3 | 88 | 75 | 115 | 56 | 18 | 16 | 18 | 389 |
| Missouri | 23 | 1 | 91 | 240 | 251 | 181 | 87 | 66 | 49 | 966 |
| Montana | - | 4 | 40 | 33 | 21 | 9 | 4 | 5 | 5 | 121 |
| Nebraska | 12 | 6 | 35 | 29 | 49 | 34 | 46 | 21 | 58 | 278 |
| Nevada | - | 22 | 92 | 37 | 27 | 17 | 4 | 3 | 3 | 205 |
| New Hampshire | - | 23 | 85 | 25 | 11 | 11 | 3 | 2 | 2 | 162 |
| New Jersey | 231 | - | 110 | 243 | 251 | 227 | 122 | 94 | 111 | 1,158 |
| New Mexico | 9 | 24 | 52 | 89 | 48 | 27 | 18 | 10 | 10 | 278 |
| New York | 42 | 6 | 577 | 417 | 315 | 262 | 177 | 147 | 436 | 2,337 |
| North Carolina | 12 | 2 | 263 | 149 | 160 | 101 | 62 | 41 | 33 | 811 |
| North Dakota | - | 18 | 39 | 19 | 7 | 10 | 5 | 1 | 3 | 102 |
| Ohio | - | 262 | 734 | 313 | 172 | 84 | 40 | 24 | 32 | 1,661 |
| Oklahoma | - | 3 | 134 | 107 | 85 | 73 | 42 | 24 | 16 | 484 |
| Oregon | - | - | 21 | 103 | 121 | 102 | 51 | 41 | 108 | 547 |
| Pennsylvania | 7 | 22 | 488 | 437 | 375 | 301 | 170 | 99 | 97 | 1,989 |
| Rhode Island | 2 | - | 62 | 47 | 37 | 13 | 5 | 2 | 1 | 167 |
| South Carolina | - | 57 | 241 | 143 | 80 | 56 | 22 | 15 | 19 | 633 |
| South Dakota | 37 | - | 7 | 11 | 16 | 27 | 8 | - | 7 | 76 |
| Tennessee | 768 | 12 | 109 | 35 | 20 | 13 | 4 | 3 | 4 | 200 |
| Texas | - | 170 | 1,098 | 1,102 | 950 | 515 | 440 | 88 | 103 | 4,466 |
| Utah | - | 61 | 125 | 89 | 51 | 33 | 19 | 7 | 6 | 391 |
| Vermont | - | 9 | 37 | 14 | 11 | 7 | 5 | 3 | 9 | 95 |
| Virginia | - | 2 | 239 | 395 | 281 | 139 | 61 | 70 | 59 | 1,246 |
| Washington | 124 | 106 | 309 | 102 | 72 | 52 | 18 | 10 | 12 | 681 |
| West Virginia | - | 35 | 86 | 38 | 25 | 15 | 8 | 2 | 3 | 212 |
| Wisconsin | - | 6 | 94 | 123 | 168 | 181 | 104 | 80 | 165 | 921 |
| Wyoming | - | 31 | 77 | 24 | 21 | 8 | 1 | 2 | 1 | 165 |
| U.S. Total | 4,575 | 2,989 | 9,512 | 7,538 | 6,198 | 4,363 | 2,480 | 1,465 | 2,199 | 36,744 |
| Puerto Rico | 7 | - | 6 | 56 | 47 | 53 | 27 | 15 | 27 | 231 |
| Grand Total | 4,582 | 2,989 | 9,518 | 7,594 | 6,245 | 4,416 | 2,507 | 1,480 | 2,226 | 36,975 |

1/ Data are reported as the International Roughness Index (IRI) in inches per mile. Reference: World Bank Technical Paper Number 46, 1986. Lower IRI represents smoother riding roadways. To obtain a comprehensive assessment of pavement condition, additional measures of pavement distress are needed.

2/ Although the Interstate System is part of the National Highway System, its mileage is shown separately.