

NATIONAL HIGHWAY SYSTEM LENGTH - 2007 MILES BY MEASURED PAVEMENT ROUGHNESS - RURAL

TABLE HM-47
SHEET 1 OF 4

OCTOBER 2008

| STATE | INTERNATIONAL ROUGHNESS INDEX (IRI) 1/ | | | | | | | | | | | | | | | | | | | |
|-------------------|----------------------------------------|-------|--------|--------|---------|---------|---------|---------|-------|----------------|-----------------|--------|--------|--------|---------|---------|---------|---------|-------|----------------|
| | INTERSTATE SYSTEM | | | | | | | | | | OTHER | | | | | | | | | |
| | NOT REPORTED 2/ | < 60 | 60-94 | 95-119 | 120-144 | 145-170 | 171-194 | 195-220 | > 220 | TOTAL REPORTED | NOT REPORTED 2/ | < 60 | 60-94 | 95-119 | 120-144 | 145-170 | 171-194 | 195-220 | > 220 | TOTAL REPORTED |
| Alabama | - | 428 | 88 | - | 11 | 1 | 11 | - | 4 | 543 | 5 | 792 | 1,077 | 128 | 23 | 8 | 3 | 1 | 1 | 2,033 |
| Alaska | - | 25 | 234 | 429 | 204 | 59 | 53 | 8 | - | 1,012 | 176 | 64 | 193 | 99 | 155 | 76 | 48 | 72 | 107 | 814 |
| Arizona | - | 580 | 347 | 38 | 11 | 2 | 3 | - | - | 981 | 5 | 509 | 356 | 137 | 62 | 36 | 7 | 2 | 1 | 1,110 |
| Arkansas | 1 | 175 | 188 | 55 | 16 | 8 | 11 | 4 | 3 | 460 | 5 | 157 | 847 | 498 | 198 | 85 | 25 | 9 | 4 | 1,823 |
| California | - | 93 | 533 | 193 | 169 | 84 | 68 | 75 | 66 | 1,281 | 4 | 142 | 1,675 | 805 | 462 | 164 | 108 | 41 | 10 | 3,407 |
| Colorado | - | 80 | 303 | 155 | 90 | 40 | 17 | - | - | 685 | - | 152 | 980 | 373 | 259 | 42 | 35 | 9 | 14 | 1,864 |
| Connecticut | - | - | 31 | 10 | 1 | 1 | - | - | - | 43 | - | 6 | 44 | 52 | 38 | 15 | 1 | 1 | 1 | 158 |
| Delaware | - | - | - | - | - | - | - | - | - | - | - | 2 | 103 | 62 | 1 | 2 | - | - | - | 170 |
| Dist. of Columbia | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Florida | 2 | 479 | 267 | - | - | - | - | - | - | 746 | 7 | 621 | 759 | 100 | 19 | - | - | - | - | 1,499 |
| Georgia | 144 | 307 | 237 | 24 | 3 | - | - | - | - | 571 | 174 | 1,879 | 1,047 | 46 | 5 | 1 | - | - | - | 2,978 |
| Hawaii | - | - | - | - | 6 | - | - | - | - | 6 | - | - | 12 | 21 | 30 | 28 | 4 | 6 | 3 | 104 |
| Idaho | - | 15 | 372 | 87 | 34 | 10 | - | 3 | - | 521 | 5 | 60 | 990 | 375 | 157 | 51 | 15 | 2 | 2 | 1,652 |
| Illinois | - | 391 | 678 | 198 | 78 | 12 | - | - | - | 1,357 | - | 55 | 662 | 409 | 250 | 165 | 73 | 32 | 14 | 1,660 |
| Indiana 3/ | - | 69 | 436 | 166 | 30 | 6 | - | - | - | 707 | 1 | 342 | 645 | 177 | 98 | 47 | 5 | 5 | - | 1,319 |
| Iowa | - | 102 | 280 | 154 | 62 | 20 | 5 | 3 | 2 | 628 | 25 | 254 | 733 | 469 | 279 | 154 | 69 | 33 | 21 | 2,012 |
| Kansas | 10 | 302 | 276 | 65 | 3 | - | - | - | - | 646 | 32 | 512 | 1,648 | 327 | 35 | 19 | 3 | 2 | 2 | 2,548 |
| Kentucky | 2 | 203 | 275 | 25 | 36 | 12 | - | - | - | 551 | 3 | 570 | 912 | 150 | 90 | 12 | 2 | 1 | - | 1,737 |
| Louisiana | 59 | 163 | 140 | 76 | 60 | 1 | 13 | 16 | 6 | 475 | 12 | 86 | 391 | 223 | 124 | 107 | 39 | 26 | 22 | 1,018 |
| Maine | - | 82 | 161 | 37 | 19 | - | - | - | - | 299 | - | 85 | 350 | 149 | 85 | 56 | 34 | 15 | 18 | 792 |
| Maryland | 1 | 65 | 109 | 7 | 1 | - | - | - | - | 182 | 8 | 146 | 223 | 54 | 17 | 10 | 2 | 1 | 1 | 454 |
| Massachusetts | - | 14 | 38 | 23 | - | 16 | - | - | - | 91 | - | 4 | 41 | 76 | 34 | 8 | 4 | - | - | 167 |
| Michigan | - | 175 | 265 | 52 | 59 | 43 | - | 13 | 1 | 608 | - | 810 | 912 | 262 | 83 | 47 | 22 | 2 | 7 | 2,145 |
| Minnesota 4/ | - | 83 | 299 | 113 | 105 | 47 | 9 | 5 | - | 661 | - | 591 | 994 | 452 | 257 | 204 | 51 | 18 | 7 | 2,574 |
| Mississippi | - | 81 | 317 | 43 | 33 | 14 | 4 | - | 1 | 493 | - | 275 | 935 | 183 | 197 | 63 | 24 | 22 | 6 | 1,705 |
| Missouri | - | 315 | 380 | 19 | 4 | 3 | - | - | - | 721 | - | 400 | 1,044 | 412 | 283 | 176 | 72 | 31 | 9 | 2,427 |
| Montana | - | 455 | 584 | 27 | 40 | 20 | 4 | - | - | 1,130 | - | 624 | 1,467 | 374 | 108 | 37 | 2 | 4 | 1 | 2,617 |
| Nebraska | - | 240 | 132 | 31 | 11 | 6 | - | - | - | 420 | - | 474 | 946 | 400 | 259 | 91 | 90 | 29 | 19 | 2,308 |
| Nevada | - | 387 | 24 | 23 | 13 | 4 | - | - | - | 451 | 1 | 1,121 | 281 | 12 | 1 | 1 | 1 | - | 2 | 1,419 |
| New Hampshire | - | 66 | 69 | 12 | 1 | - | - | - | 1 | 149 | - | 94 | 217 | 47 | 30 | 13 | 2 | 2 | 7 | 412 |
| New Jersey | - | 7 | 23 | 14 | 12 | 5 | 1 | 3 | - | 65 | - | 4 | 65 | 47 | 95 | 31 | 12 | 4 | 2 | 260 |
| New Mexico | - | 499 | 285 | 55 | 4 | 3 | - | - | - | 846 | - | 921 | 469 | 197 | 98 | 21 | 3 | 1 | 1 | 1,711 |
| New York | 2 | 128 | 447 | 120 | 31 | 42 | 37 | 20 | 7 | 832 | 6 | 115 | 794 | 337 | 138 | 63 | 21 | 15 | 33 | 1,516 |
| North Carolina | - | 78 | 308 | 63 | 47 | 28 | 16 | 1 | - | 541 | - | 206 | 1,169 | 372 | 148 | 43 | 23 | 8 | 1 | 1,970 |
| North Dakota | - | 189 | 250 | 59 | 15 | 6 | - | - | - | 519 | - | 528 | 813 | 388 | 210 | 114 | 26 | - | 10 | 2,089 |
| Ohio | - | 260 | 371 | 65 | 17 | 7 | 1 | 2 | 1 | 724 | - | 258 | 909 | 264 | 144 | 61 | 8 | 2 | 4 | 1,650 |
| Oklahoma | - | 188 | 351 | 94 | 22 | 21 | 7 | - | - | 683 | 1 | 246 | 784 | 506 | 229 | 121 | 81 | 71 | 59 | 2,097 |
| Oregon | - | 41 | 457 | 55 | 1 | - | - | - | - | 554 | 1 | 285 | 1,390 | 555 | 276 | 72 | 22 | 5 | 11 | 2,616 |
| Pennsylvania | 1 | 387 | 459 | 150 | 56 | 13 | 3 | 1 | 1 | 1,070 | 25 | 134 | 811 | 492 | 211 | 103 | 27 | 9 | 4 | 1,791 |
| Rhode Island | - | 1 | 21 | - | - | - | - | - | - | 22 | - | - | 2 | 7 | 11 | 9 | 7 | 7 | 5 | 48 |
| South Carolina | - | 218 | 225 | 76 | 33 | 27 | 1 | - | - | 580 | - | 45 | 737 | 203 | 91 | 26 | 2 | 2 | 2 | 1,108 |
| South Dakota | - | 78 | 330 | 155 | 34 | 5 | - | - | - | 602 | 2 | 341 | 1,060 | 364 | 208 | 72 | 47 | 61 | 31 | 2,184 |
| Tennessee | - | 574 | 96 | 9 | 2 | 6 | - | 1 | 1 | 689 | - | 650 | 626 | 113 | 32 | 8 | 3 | 2 | 4 | 1,438 |
| Texas | 89 | 428 | 1,262 | 265 | 95 | 32 | 8 | 1 | - | 2,091 | 10 | 645 | 3,240 | 1,782 | 535 | 132 | 44 | 4 | 1 | 6,383 |
| Utah | - | 172 | 378 | 112 | 26 | 28 | - | 6 | 1 | 723 | - | 26 | 377 | 230 | 161 | 69 | 37 | 17 | 6 | 923 |
| Vermont | - | 127 | 121 | 17 | 5 | 1 | 4 | 4 | - | 279 | - | 12 | 189 | 41 | 25 | 35 | 9 | 4 | 5 | 320 |
| Virginia | - | 90 | 521 | 37 | 16 | 2 | - | - | - | 666 | - | 38 | 854 | 301 | 95 | 29 | 16 | 3 | 1 | 1,337 |
| Washington | - | 132 | 178 | 44 | 55 | 47 | 11 | - | - | 467 | - | 279 | 1,217 | 309 | 114 | 40 | 51 | 2 | 14 | 2,026 |
| West Virginia | - | 23 | 254 | 48 | 27 | 18 | - | 1 | 5 | 376 | - | 30 | 462 | 270 | 143 | 70 | 20 | 12 | 9 | 1,016 |
| Wisconsin | - | 86 | 210 | 113 | 42 | 12 | 6 | 9 | - | 478 | - | 650 | 899 | 513 | 243 | 98 | 28 | 23 | 8 | 2,462 |
| Wyoming | - | 188 | 455 | 139 | 16 | 6 | - | 10 | 1 | 815 | 5 | 146 | 959 | 621 | 169 | 49 | 1 | 10 | 1 | 1,956 |
| U.S. Total | 311 | 9,269 | 14,065 | 3,752 | 1,656 | 718 | 293 | 186 | 101 | 30,040 | 513 | 16,386 | 38,310 | 14,784 | 7,015 | 2,984 | 1,229 | 628 | 491 | 81,827 |
| Puerto Rico | 1 | - | - | 8 | 4 | 8 | 4 | 6 | - | 30 | 2 | - | 1 | 1 | 17 | - | 5 | 2 | 2 | 28 |
| Grand Total | 312 | 9,269 | 14,065 | 3,760 | 1,660 | 726 | 297 | 192 | 101 | 30,070 | 515 | 16,386 | 38,311 | 14,785 | 7,032 | 2,984 | 1,234 | 630 | 493 | 81,855 |

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NATIONAL HIGHWAY SYSTEM LENGTH - 2007
MILES BY MEASURED PAVEMENT ROUGHNESS - RURAL

TABLE HM-47
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OCTOBER 2008

| STATE | INTERNATIONAL ROUGHNESS INDEX (IRI) 1/ | | | | | | | | | |
|-------------------|----------------------------------------|--------|--------|--------|---------|---------|---------|---------|-------|-------------------|
| | TOTAL RURAL NHS | | | | | | | | | |
| | NOT REPORTED 2/ | < 60 | 60-94 | 95-119 | 120-144 | 145-170 | 171-194 | 195-220 | > 220 | TOTAL REPORTED |
| Alabama | 5 | 1,220 | 1,165 | 128 | 34 | 10 | 14 | 1 | 5 | 2,577 |
| Alaska | 176 | 89 | 427 | 528 | 359 | 136 | 101 | 80 | 107 | 1,827 |
| Arizona | 5 | 1,090 | 703 | 174 | 72 | 38 | 10 | 2 | 1 | 2,090 |
| Arkansas | 6 | 331 | 1,035 | 553 | 214 | 94 | 36 | 13 | 7 | 2,283 |
| California | 4 | 235 | 2,208 | 998 | 632 | 248 | 176 | 116 | 77 | 4,690 |
| Colorado | - | 232 | 1,283 | 527 | 349 | 83 | 52 | 9 | 14 | 2,549 |
| Connecticut | - | 6 | 74 | 62 | 39 | 16 | 1 | 1 | 1 | 200 |
| Delaware | - | 2 | 103 | 62 | 1 | 2 | - | - | - | 170 |
| Dist. of Columbia | - | - | - | - | - | - | - | - | - | - |
| Florida | 9 | 1,101 | 1,027 | 100 | 19 | - | - | - | - | 2,247 |
| Georgia | 318 | 2,186 | 1,285 | 69 | 8 | 1 | - | - | - | 3,549 |
| Hawaii | - | - | 12 | 21 | 36 | 28 | 4 | 6 | 3 | 110 |
| Idaho | 5 | 75 | 1,362 | 462 | 192 | 61 | 15 | 4 | 2 | 2,173 |
| Illinois | - | 446 | 1,340 | 607 | 328 | 177 | 73 | 32 | 14 | 3,017 |
| Indiana 3/ | 1 | 411 | 1,081 | 343 | 127 | 53 | 5 | 5 | - | 2,025 |
| Iowa | 26 | 355 | 1,013 | 622 | 341 | 174 | 74 | 37 | 23 | 2,639 |
| Kansas | 42 | 814 | 1,924 | 392 | 38 | 19 | 3 | 2 | 2 | 3,194 |
| Kentucky | 4 | 773 | 1,186 | 175 | 126 | 24 | 2 | 1 | - | 2,287 |
| Louisiana | 70 | 249 | 531 | 299 | 184 | 108 | 52 | 42 | 28 | 1,493 |
| Maine | - | 168 | 511 | 186 | 104 | 56 | 34 | 15 | 18 | 1,092 |
| Maryland | 10 | 211 | 332 | 61 | 18 | 10 | 2 | 2 | 1 | 637 |
| Massachusetts | - | 18 | 79 | 99 | 34 | 24 | 4 | - | - | 258 |
| Michigan | - | 985 | 1,176 | 314 | 142 | 89 | 22 | 16 | 8 | 2,752 |
| Minnesota 4/ | - | 674 | 1,293 | 565 | 362 | 251 | 60 | 23 | 7 | 3,235 |
| Mississippi | - | 356 | 1,252 | 226 | 230 | 77 | 28 | 22 | 7 | 2,198 |
| Missouri | - | 716 | 1,424 | 431 | 287 | 179 | 72 | 31 | 9 | 3,149 |
| Montana | - | 1,078 | 2,051 | 401 | 148 | 56 | 6 | 4 | 1 | 3,745 |
| Nebraska | - | 714 | 1,078 | 431 | 270 | 97 | 90 | 29 | 19 | 2,728 |
| Nevada | 1 | 1,509 | 305 | 34 | 14 | 4 | 1 | - | 2 | 1,869 |
| New Hampshire | - | 160 | 285 | 59 | 32 | 14 | 2 | 2 | 8 | 562 |
| New Jersey | - | 10 | 88 | 61 | 107 | 37 | 13 | 7 | 2 | 325 |
| New Mexico | - | 1,419 | 753 | 251 | 102 | 24 | 3 | 1 | 1 | 2,554 |
| New York | 8 | 243 | 1,241 | 457 | 169 | 106 | 58 | 36 | 41 | 2,351 |
| North Carolina | - | 285 | 1,476 | 435 | 195 | 71 | 39 | 9 | 2 | 2,512 |
| North Dakota | - | 717 | 1,063 | 447 | 225 | 120 | 26 | - | 10 | 2,608 |
| Ohio | - | 517 | 1,280 | 330 | 161 | 68 | 9 | 3 | 5 | 2,373 |
| Oklahoma | 1 | 435 | 1,135 | 600 | 252 | 142 | 88 | 71 | 59 | 2,782 |
| Oregon | 1 | 327 | 1,847 | 610 | 278 | 72 | 22 | 5 | 11 | 3,172 |
| Pennsylvania | 26 | 521 | 1,270 | 642 | 266 | 117 | 30 | 10 | 6 | 2,862 |
| Rhode Island | - | 1 | 22 | 7 | 11 | 9 | 7 | 7 | 5 | 69 |
| South Carolina | - | 263 | 962 | 279 | 124 | 53 | 3 | 2 | 2 | 1,688 |
| South Dakota | 2 | 420 | 1,390 | 519 | 242 | 77 | 47 | 61 | 31 | 2,787 |
| Tennessee | - | 1,223 | 722 | 122 | 34 | 14 | 3 | 2 | 5 | 2,125 |
| Texas | 100 | 1,072 | 4,502 | 2,047 | 631 | 164 | 52 | 5 | 1 | 8,474 |
| Utah | - | 199 | 756 | 342 | 188 | 96 | 37 | 23 | 8 | 1,649 |
| Vermont | - | 140 | 310 | 57 | 30 | 36 | 14 | 8 | 5 | 600 |
| Virginia | - | 127 | 1,375 | 338 | 111 | 31 | 16 | 3 | 1 | 2,002 |
| Washington | - | 412 | 1,395 | 352 | 169 | 87 | 62 | 2 | 14 | 2,493 |
| West Virginia | - | 53 | 716 | 318 | 171 | 88 | 20 | 13 | 14 | 1,393 |
| Wisconsin | - | 737 | 1,108 | 627 | 285 | 109 | 34 | 33 | 8 | 2,941 |
| Wyoming | 5 | 334 | 1,415 | 760 | 185 | 55 | 1 | 20 | 2 | 2,772 |
| U.S. Total | 825 | 25,659 | 52,371 | 18,530 | 8,676 | 3,705 | 1,523 | 816 | 597 | 111,877 |
| Puerto Rico | 3 | - | 1 | 9 | 21 | 8 | 9 | 7 | 2 | 57 |
| Grand Total | 828 | 25,659 | 52,372 | 18,539 | 8,697 | 3,713 | 1,532 | 823 | 599 | 111,934 |

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**NATIONAL HIGHWAY SYSTEM LENGTH - 2007
MILES BY MEASURED PAVEMENT ROUGHNESS - URBAN**

TABLE HM-47
SHEET 3 OF 4

OCTOBER 2008

| STATE | INTERNATIONAL ROUGHNESS INDEX (IRI) 1/ | | | | | | | | | | | | | | | | | | | |
|-------------------|----------------------------------------|-------|-------|--------|---------|---------|---------|---------|-------|----------------|-----------------|-------|--------|--------|---------|---------|---------|---------|-------|----------------|
| | INTERSTATE SYSTEM | | | | | | | | | | OTHER | | | | | | | | | |
| | NOT REPORTED 2/ | < 60 | 60-94 | 95-119 | 120-144 | 145-170 | 171-194 | 195-220 | > 220 | TOTAL REPORTED | NOT REPORTED 2/ | < 60 | 60-94 | 95-119 | 120-144 | 145-170 | 171-194 | 195-220 | > 220 | TOTAL REPORTED |
| Alabama | 18 | 204 | 75 | 19 | 11 | 21 | 8 | 5 | 2 | 345 | 32 | 275 | 315 | 68 | 31 | 10 | 3 | 2 | 4 | 708 |
| Alaska | - | 12 | 33 | 13 | 6 | 3 | - | 1 | - | 68 | 4 | 5 | 13 | 21 | 16 | 5 | 9 | 2 | 2 | 73 |
| Arizona | - | 70 | 76 | 28 | 13 | 1 | - | - | - | 188 | 18 | 140 | 123 | 56 | 77 | 38 | 18 | 9 | 4 | 465 |
| Arkansas | - | 24 | 93 | 32 | 17 | 16 | 8 | 2 | 4 | 196 | 4 | 12 | 79 | 48 | 35 | 34 | 22 | 14 | 14 | 258 |
| California | 2 | 24 | 284 | 212 | 224 | 142 | 98 | 95 | 98 | 1,177 | 2 | 21 | 389 | 386 | 399 | 232 | 159 | 70 | 125 | 1,781 |
| Colorado | - | 15 | 110 | 73 | 37 | 19 | 11 | 3 | - | 268 | - | 29 | 230 | 174 | 156 | 72 | 41 | 21 | 26 | 749 |
| Connecticut | - | 27 | 145 | 69 | 36 | 11 | 7 | 4 | 3 | 302 | - | 13 | 106 | 140 | 87 | 51 | 21 | 20 | 22 | 460 |
| Delaware | 1 | - | 25 | 8 | 2 | 3 | 1 | 1 | - | 40 | - | 1 | 49 | 43 | 21 | 7 | 1 | 1 | 3 | 126 |
| Dist. of Columbia | - | - | - | - | 5 | 2 | - | 2 | 3 | 12 | - | - | - | 2 | 4 | 4 | 4 | 9 | 45 | 68 |
| Florida | 3 | 342 | 352 | 17 | 6 | 1 | 1 | - | - | 719 | 5 | 335 | 779 | 149 | 54 | 27 | 9 | 8 | 12 | 1,373 |
| Georgia | 83 | 313 | 103 | 23 | 4 | 2 | - | - | - | 445 | 61 | 475 | 486 | 71 | 16 | 11 | 5 | - | 2 | 1,066 |
| Hawaii | - | - | 10 | 6 | 8 | 12 | 4 | 3 | 5 | 48 | - | 14 | 31 | 30 | 35 | 31 | 27 | 11 | 13 | 192 |
| Idaho | 1 | 4 | 51 | 21 | 1 | - | 4 | 2 | 7 | 90 | 1 | 6 | 28 | 25 | 14 | 8 | 4 | 2 | 6 | 93 |
| Illinois | - | 121 | 264 | 211 | 114 | 64 | 27 | 8 | 4 | 813 | - | 30 | 206 | 365 | 374 | 293 | 197 | 171 | 270 | 1,906 |
| Indiana 3/ | - | 28 | 228 | 115 | 49 | 32 | 5 | 4 | 4 | 465 | 4 | 14 | 136 | 64 | 81 | 45 | 27 | 10 | 12 | 389 |
| Iowa | 1 | 12 | 62 | 33 | 18 | 13 | 7 | 5 | 2 | 152 | 30 | 18 | 104 | 83 | 53 | 39 | 26 | 21 | 31 | 375 |
| Kansas | 20 | 30 | 84 | 59 | 22 | 2 | 1 | - | - | 198 | 8 | 14 | 196 | 63 | 23 | 9 | 5 | 1 | 9 | 320 |
| Kentucky | - | 62 | 65 | 49 | 23 | 9 | - | 1 | - | 209 | 1 | 47 | 179 | 79 | 38 | 24 | 7 | 8 | 7 | 389 |
| Louisiana | 53 | 52 | 82 | 53 | 53 | 54 | 11 | 7 | 5 | 317 | 38 | 22 | 149 | 136 | 74 | 58 | 79 | 39 | 79 | 636 |
| Maine | - | 9 | 38 | 13 | 6 | - | 1 | - | - | 67 | - | 8 | 35 | 35 | 15 | 13 | 11 | 9 | 10 | 136 |
| Maryland | 10 | 59 | 144 | 35 | 17 | 10 | 9 | 6 | 9 | 289 | 11 | 72 | 186 | 84 | 48 | 28 | 15 | 16 | 60 | 509 |
| Massachusetts | 5 | 92 | 234 | 92 | 24 | 33 | 1 | 1 | - | 477 | 3 | 63 | 211 | 165 | 194 | 215 | 135 | 121 | 124 | 1,228 |
| Michigan | 1 | 66 | 255 | 140 | 74 | 52 | 19 | 18 | 10 | 634 | - | 109 | 315 | 257 | 189 | 147 | 128 | 97 | 136 | 1,378 |
| Minnesota 4/ | - | 15 | 111 | 56 | 45 | 21 | 2 | - | 3 | 253 | - | 37 | 181 | 112 | 90 | 45 | 18 | 7 | 5 | 495 |
| Mississippi | - | 24 | 90 | 36 | 23 | 16 | 5 | 3 | 10 | 207 | - | 37 | 160 | 83 | 56 | 45 | 27 | 14 | 11 | 433 |
| Missouri | - | 129 | 249 | 43 | 20 | 7 | 4 | 4 | 3 | 459 | 14 | 111 | 346 | 151 | 105 | 36 | 27 | 11 | 10 | 797 |
| Montana | - | 16 | 35 | 3 | 4 | 1 | 2 | - | - | 61 | - | 4 | 18 | 15 | 12 | 6 | 4 | 4 | 3 | 66 |
| Nebraska | - | 5 | 34 | 7 | 5 | 7 | 3 | 1 | 1 | 63 | 1 | 9 | 22 | 17 | 55 | 60 | 40 | 35 | 41 | 279 |
| Nevada | - | 53 | 28 | 19 | 9 | 9 | 1 | - | - | 119 | 1 | 66 | 56 | 17 | 8 | 2 | 2 | 1 | 2 | 154 |
| New Hampshire | - | 34 | 32 | 4 | - | - | - | - | 7 | 77 | - | 43 | 79 | 26 | 9 | 6 | 3 | 4 | 3 | 173 |
| New Jersey | 5 | 33 | 102 | 90 | 47 | 25 | 34 | 16 | 14 | 361 | 16 | 16 | 216 | 295 | 272 | 214 | 119 | 88 | 154 | 1,374 |
| New Mexico | - | 42 | 86 | 17 | 8 | 3 | - | - | - | 156 | - | 26 | 105 | 27 | 34 | 15 | 8 | 4 | 8 | 227 |
| New York | 34 | 71 | 371 | 145 | 81 | 62 | 37 | 24 | 27 | 818 | 40 | 35 | 424 | 427 | 338 | 200 | 149 | 65 | 298 | 1,936 |
| North Carolina | - | 75 | 271 | 129 | 55 | 21 | 11 | 4 | 1 | 567 | - | 48 | 415 | 194 | 82 | 36 | 17 | 8 | 9 | 809 |
| North Dakota | - | 10 | 33 | 8 | 1 | - | - | - | - | 52 | - | 1 | 13 | 23 | 18 | 7 | 3 | 3 | - | 68 |
| Ohio | - | 154 | 435 | 145 | 77 | 23 | 10 | 3 | 2 | 849 | - | 91 | 511 | 247 | 163 | 84 | 54 | 36 | 41 | 1,227 |
| Oklahoma | 1 | 48 | 109 | 29 | 22 | 14 | 7 | 7 | 13 | 249 | - | 28 | 139 | 52 | 45 | 29 | 18 | 25 | 31 | 367 |
| Oregon | 2 | 25 | 114 | 22 | 10 | 1 | - | - | - | 172 | 1 | 27 | 160 | 79 | 50 | 33 | 24 | 12 | 18 | 403 |
| Pennsylvania | 13 | 123 | 323 | 143 | 52 | 18 | 10 | 3 | 1 | 673 | 39 | 115 | 519 | 489 | 348 | 226 | 111 | 55 | 44 | 1,907 |
| Rhode Island | - | 9 | 25 | 14 | 1 | - | - | - | - | 49 | - | - | 35 | 40 | 27 | 17 | 11 | 8 | 14 | 152 |
| South Carolina | - | 78 | 125 | 37 | 15 | 5 | 1 | 1 | - | 262 | - | 16 | 263 | 161 | 103 | 59 | 29 | 18 | 24 | 673 |
| South Dakota | - | 8 | 23 | 25 | 13 | 3 | 4 | - | - | 76 | 2 | 1 | 11 | 15 | 13 | 16 | 8 | 5 | 3 | 72 |
| Tennessee | - | 213 | 151 | 28 | 14 | 6 | 3 | 1 | 1 | 417 | - | 224 | 282 | 111 | 71 | 30 | 10 | 8 | 20 | 756 |
| Texas | 8 | 47 | 424 | 258 | 179 | 85 | 41 | 9 | 3 | 1,046 | 26 | 87 | 942 | 914 | 664 | 416 | 261 | 153 | 230 | 3,667 |
| Utah | - | 57 | 84 | 29 | 26 | 12 | 4 | - | - | 212 | 16 | 34 | 112 | 42 | 28 | 21 | 7 | 1 | 4 | 249 |
| Vermont | - | 6 | 15 | 10 | 1 | 2 | 7 | - | - | 41 | - | - | 18 | 9 | 8 | 8 | 4 | 3 | 3 | 53 |
| Virginia | 7 | 22 | 195 | 102 | 70 | 43 | 8 | 3 | 2 | 445 | 34 | 20 | 337 | 278 | 121 | 101 | 55 | 40 | 38 | 990 |
| Washington | - | 81 | 125 | 40 | 12 | 27 | 7 | 2 | 2 | 296 | - | 52 | 264 | 104 | 73 | 33 | 15 | 29 | 51 | 621 |
| West Virginia | - | 23 | 93 | 32 | 12 | 11 | 5 | 1 | - | 177 | - | 19 | 91 | 36 | 33 | 15 | 10 | 12 | 10 | 226 |
| Wisconsin | 3 | 28 | 95 | 80 | 32 | 13 | 13 | 1 | - | 262 | 26 | 43 | 211 | 202 | 167 | 116 | 80 | 70 | 70 | 959 |
| Wyoming | - | 15 | 31 | 26 | 9 | 11 | 2 | - | 3 | 97 | - | 4 | 36 | 20 | 11 | 4 | 1 | 1 | 4 | 81 |
| U.S. Total | 271 | 3,010 | 6,622 | 2,898 | 1,613 | 948 | 444 | 251 | 249 | 16,035 | 438 | 2,917 | 10,311 | 6,730 | 5,038 | 3,281 | 2,068 | 1,382 | 2,165 | 33,892 |
| Puerto Rico | 1 | - | 10 | 47 | 53 | 63 | 24 | 24 | 10 | 231 | 4 | - | 3 | 17 | 14 | 27 | 23 | 11 | 15 | 110 |
| Grand Total | 272 | 3,010 | 6,632 | 2,945 | 1,666 | 1,011 | 468 | 275 | 259 | 16,266 | 442 | 2,917 | 10,314 | 6,747 | 5,052 | 3,308 | 2,091 | 1,393 | 2,180 | 34,002 |

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NATIONAL HIGHWAY SYSTEM LENGTH - 2007

MILES BY MEASURED PAVEMENT ROUGHNESS - URBAN

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| STATE | INTERNATIONAL ROUGHNESS INDEX (IRI) 1/ | | | | | | | | | |
|-------------------|----------------------------------------|-------|--------|--------|---------|---------|---------|---------|-------|----------------|
| | TOTAL URBAN NHS | | | | | | | | | |
| | NOT REPORTED 2/ | < 60 | 60-94 | 95-119 | 120-144 | 145-170 | 171-194 | 195-220 | > 220 | TOTAL REPORTED |
| Alabama | 50 | 479 | 390 | 87 | 42 | 31 | 11 | 7 | 5 | 1,052 |
| Alaska | 4 | 17 | 46 | 34 | 22 | 9 | 9 | 2 | 2 | 141 |
| Arizona | 18 | 210 | 198 | 84 | 90 | 38 | 18 | 9 | 4 | 651 |
| Arkansas | 4 | 36 | 171 | 81 | 52 | 50 | 30 | 16 | 18 | 454 |
| California | 4 | 45 | 673 | 597 | 623 | 373 | 257 | 165 | 222 | 2,955 |
| Colorado | - | 45 | 340 | 247 | 193 | 91 | 52 | 24 | 26 | 1,018 |
| Connecticut | - | 40 | 251 | 209 | 123 | 62 | 28 | 24 | 25 | 762 |
| Delaware | 1 | 1 | 74 | 51 | 23 | 11 | 2 | 2 | 3 | 167 |
| Dist. of Columbia | - | - | - | 2 | 9 | 6 | 5 | 11 | 49 | 82 |
| Florida | 8 | 677 | 1,131 | 166 | 60 | 29 | 10 | 8 | 12 | 2,093 |
| Georgia | 144 | 788 | 589 | 94 | 21 | 13 | 5 | - | 2 | 1,512 |
| Hawaii | - | 14 | 42 | 37 | 43 | 44 | 31 | 14 | 18 | 243 |
| Idaho | 2 | 11 | 80 | 46 | 15 | 8 | 8 | 4 | 12 | 184 |
| Illinois | - | 151 | 470 | 576 | 488 | 357 | 223 | 178 | 274 | 2,717 |
| Indiana 3/ | 4 | 43 | 364 | 178 | 130 | 77 | 33 | 14 | 16 | 855 |
| Iowa | 32 | 30 | 167 | 116 | 71 | 52 | 33 | 25 | 33 | 527 |
| Kansas | 28 | 43 | 280 | 122 | 45 | 11 | 6 | 1 | 9 | 517 |
| Kentucky | 1 | 109 | 244 | 128 | 61 | 32 | 7 | 9 | 7 | 597 |
| Louisiana | 92 | 74 | 231 | 189 | 127 | 112 | 90 | 46 | 83 | 952 |
| Maine | - | 18 | 74 | 48 | 22 | 13 | 11 | 9 | 10 | 205 |
| Maryland | 21 | 131 | 330 | 118 | 65 | 38 | 24 | 21 | 69 | 796 |
| Massachusetts | 9 | 156 | 445 | 257 | 217 | 248 | 136 | 122 | 124 | 1,705 |
| Michigan | 1 | 175 | 569 | 397 | 263 | 199 | 148 | 115 | 146 | 2,012 |
| Minnesota 4/ | - | 52 | 292 | 169 | 135 | 66 | 20 | 7 | 8 | 749 |
| Mississippi | - | 62 | 251 | 119 | 78 | 60 | 32 | 17 | 21 | 640 |
| Missouri | 14 | 240 | 595 | 194 | 125 | 43 | 32 | 15 | 13 | 1,257 |
| Montana | - | 20 | 54 | 18 | 16 | 7 | 7 | 4 | 4 | 130 |
| Nebraska | 1 | 14 | 56 | 23 | 60 | 67 | 43 | 36 | 42 | 341 |
| Nevada | 1 | 119 | 84 | 36 | 17 | 11 | 3 | 1 | 2 | 273 |
| New Hampshire | - | 77 | 111 | 30 | 9 | 6 | 3 | 4 | 10 | 250 |
| New Jersey | 21 | 49 | 318 | 385 | 318 | 239 | 152 | 104 | 168 | 1,733 |
| New Mexico | - | 68 | 192 | 43 | 41 | 18 | 8 | 4 | 8 | 382 |
| New York | 75 | 105 | 795 | 572 | 419 | 262 | 186 | 89 | 325 | 2,753 |
| North Carolina | - | 123 | 686 | 324 | 137 | 57 | 28 | 12 | 10 | 1,377 |
| North Dakota | - | 11 | 46 | 31 | 19 | 7 | 3 | 3 | - | 120 |
| Ohio | - | 244 | 947 | 392 | 240 | 108 | 64 | 39 | 43 | 2,077 |
| Oklahoma | 1 | 76 | 248 | 81 | 66 | 43 | 26 | 32 | 44 | 616 |
| Oregon | 4 | 51 | 274 | 101 | 61 | 34 | 24 | 12 | 18 | 575 |
| Pennsylvania | 52 | 238 | 842 | 632 | 400 | 244 | 121 | 58 | 45 | 2,580 |
| Rhode Island | - | 9 | 60 | 55 | 28 | 17 | 12 | 8 | 14 | 203 |
| South Carolina | - | 94 | 388 | 199 | 118 | 64 | 30 | 19 | 24 | 936 |
| South Dakota | 2 | 8 | 34 | 40 | 26 | 19 | 12 | 5 | 3 | 147 |
| Tennessee | - | 437 | 433 | 139 | 85 | 36 | 12 | 9 | 21 | 1,172 |
| Texas | 33 | 133 | 1,367 | 1,172 | 843 | 500 | 302 | 162 | 233 | 4,712 |
| Utah | 16 | 91 | 195 | 71 | 53 | 34 | 12 | 1 | 4 | 461 |
| Vermont | - | 6 | 33 | 18 | 9 | 10 | 11 | 3 | 3 | 93 |
| Virginia | 41 | 41 | 532 | 380 | 191 | 144 | 63 | 43 | 41 | 1,435 |
| Washington | - | 133 | 389 | 144 | 85 | 60 | 23 | 31 | 54 | 919 |
| West Virginia | - | 42 | 183 | 68 | 45 | 26 | 15 | 13 | 10 | 402 |
| Wisconsin | 30 | 70 | 306 | 282 | 199 | 129 | 93 | 71 | 70 | 1,220 |
| Wyoming | - | 19 | 67 | 46 | 20 | 15 | 3 | 1 | 8 | 179 |
| U.S. Total | 714 | 5,925 | 16,937 | 9,628 | 6,648 | 4,230 | 2,517 | 1,629 | 2,415 | 49,929 |
| Puerto Rico | 5 | - | 14 | 64 | 68 | 90 | 48 | 35 | 26 | 345 |
| Grand Total | 719 | 5,925 | 16,951 | 9,692 | 6,716 | 4,320 | 2,565 | 1,664 | 2,441 | 50,274 |

For footnotes, see Footnotes Page.

NATIONAL HIGHWAY SYSTEM LENGTH - 2007

MILES BY MEASURED PAVEMENT ROUGHNESS

HM-47 Footnotes Page:

- 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 roadways. To obtain a comprehensive assessment of pavement condition, additional measures of pavement distress are needed
- 2/ May include sections entirely on structures and unpaved miles
- 3/ Excludes 788 miles of Federal agency owned roads.
- 4/ Excludes 437 miles of local government owned roads.