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### OCTOBER 2010 CONSTRUCTION AT \$802.3 BILLION ANNUAL RATE

The U.S. Census Bureau of the Department of Commerce announced today that construction spending during October 2010 was estimated at a seasonally adjusted annual rate of \$802.3 billion, 0.7 percent (±1.4%)\* above the revised September estimate of \$797.1 billion. The October figure is 9.3 percent (±1.8%) below the October 2009 estimate of \$884.7 billion.

During the first 10 months of this year, construction spending amounted to \$684.7 billion, 11.2 percent ( $\pm 1.0\%$ ) below the \$770.6 billion for the same period in 2009.

#### PRIVATE CONSTRUCTION

Spending on private construction was at a seasonally adjusted annual rate of \$481.8 billion, 0.8 percent  $(\pm 1.1\%)^*$  above the revised September estimate of \$477.8 billion. Residential construction was at a seasonally adjusted annual rate of \$229.6 billion in October, 2.5 percent  $(\pm 1.3\%)$  above the revised September estimate of \$224.0 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$252.2 billion in October, 0.7 percent  $(\pm 1.1\%)^*$  below the revised September estimate of \$253.8 billion.

#### **PUBLIC CONSTRUCTION**

In October, the estimated seasonally adjusted annual rate of public construction spending was \$320.5 billion, 0.4 percent  $(\pm 2.1\%)^*$  above the revised September estimate of \$319.2 billion. Educational construction was at a seasonally adjusted annual rate of \$75.0 billion, 1.7 percent  $(\pm 3.0\%)^*$  below the revised September estimate of \$76.3 billion. Highway construction was at a seasonally adjusted annual rate of \$87.0 billion, 1.2 percent  $(\pm 5.0\%)^*$  above the revised September estimate of \$86.0 billion.

November 2010 data will be released on January 3, 2011 at 10:00 A.M. EST. For more detailed data and methodologies, go to our website:

<a href="http://www.census.gov/constructionspending">http://www.census.gov/constructionspending</a>

#### **EXPLANATORY NOTES**

In interpreting changes in the statistics in this release, note that month-to-month changes in seasonally adjusted statistics often show movements which may be irregular. It may take 2 months to establish an underlying trend for total construction and as long as 8 months for specific categories of construction. The statistics in this release are estimated from several sources and surveys and are subject to sampling variability as well as nonsampling error including bias and variance from response, nonreporting, and undercoverage. Estimates of the standard errors are provided in Table 3. Whenever a statement such as "2.3 (±3.1) percent above" appears in the text, this indicates the range (-0.8 to +5.4 percent) in which the actual percent change is likely to have occurred. All ranges given are 90 percent confidence intervals and account only for sampling variability. If a range does not contain zero, the change is statistically significant. If it does contain zero, the change is not statistically significant; that is, it is uncertain whether there was an increase or decrease. Statistics for the current month are preliminary estimates subject to revision in following months as additional data become available. The average absolute percent changes from preliminary estimate to first revision for the major seasonally adjusted components are as follows: total construction, 1.2 percent; private construction, 1.9 percent; and public construction, 1.2 percent.

<sup>\* 90%</sup> confidence interval includes zero. The U.S. Census Bureau does not have sufficient statistical evidence to conclude that the actual change is different from zero.

Table 1. Value of Construction Put in Place in the United States, Seasonally Adjusted Annual Rate (Millions of dollars. Details may not add to totals due to rounding.)

| Type of Construction                    |                          | Sep<br>2010 <sup>r</sup> | Aug<br>2010 <sup>r</sup> | Jul<br>2010 | Jun<br>2010 | Oct<br>2009 | Percent change<br>Oct 2010 from - |             |
|---|--------------------------|--------------------------|--------------------------|-------------|-------------|-------------|-----------------------------------|-------------|
|   | Oct<br>2010 <sup>p</sup> |                          |                          |             |             |             | Sep<br>2010                       | Oct<br>2009 |
| Total Construction                      | 802,324                  | 797,089                  | 791,457                  | 798,752     | 820,198     | 884,653     | 0.7                               | -9.3        |
| Residential                             | 240,323                  | 234,772                  | 233,205                  | 247,707     | 257,802     | 261,102     | 2.4                               | -8.0        |
| Nonresidential                          | 562,001                  | 562,318                  | 558,252                  | 551,045     | 562,397     | 623,551     | -0.1                              | -9.9        |
| Lodging                                 | 10,181                   | 10,724                   | 11,384                   | 11,286      | 11,388      | 20,252      | -5.1                              | -49.7       |
| Office                                  | 35,158                   | 36,929                   | 36,077                   | 35,424      | 37,037      | 47,579      | -4.8                              | -26.1       |
| Commercial                              | 39,039                   | 39,720                   | 40,524                   | 40,447      | 41,210      | 45,953      | -1.7                              | -15.0       |
| Health care                             | 40,416                   | 41,013                   | 39,329                   | 39,584      | 39,732      | 44,041      | -1.5                              | -8.2        |
| Educational                             | 88,156                   | 89,467                   | 89,917                   | 89,977      | 87,693      | 96,232      | -1.5                              | -8.4        |
| Religious                               | 5,075                    | 5,166                    | 5,001                    | 5,078       | 5,488       | 5,687       | -1.8                              | -10.8       |
| Public safety                           | 11,682                   | 11,514                   | 11,494                   | 11,234      | 12,345      | 13,347      | 1.5                               | -12.5       |
| Amusement and recreation                | 17,884                   | 18,056                   | 17,746                   | 17,112      | 17,167      | 18,338      | -1.0                              | -2.5        |
| Transportation                          | 39,916                   | 41,750                   | 38,478                   | 39,079      | 40,072      | 39,432      | -4.4                              | 1.2         |
| Communication                           | 17,857                   | 17,838                   | 18,171                   | 18,063      | 17,727      | 19,319      | 0.1                               | -7.6        |
| Power                                   | 83,965                   | 77,179                   | 77,534                   | 75,749      | 81,622      | 87,334      | 8.8                               | -3.9        |
| Highway and street                      | 87,157                   | 86,131                   | 85,561                   | 81,048      | 82,191      | 85,909      | 1.2                               | 1.5         |
| Sewage and waste disposal               | 26,850                   | 26,521                   | 27,064                   | 26,679      | 25,819      | 23,747      | 1.2                               | 13.1        |
| Water supply                            | 16,055                   | 16,114                   | 16,402                   | 16,441      | 15,772      | 15,110      | -0.4                              | 6.3         |
| Conservation and development            | 7,739                    | 7,220                    | 6,846                    | 6,432       | 7,795       | 6,281       | 7.2                               | 23.2        |
| Manufacturing                           | 34,870                   | 36,977                   | 36,725                   | 37,412      | 39,340      | 54,991      | -5.7                              | -36.6       |
| Total Private Construction <sup>1</sup> | 481,780                  | 477,844                  | 476,082                  | 489,927     | 510,663     | 571,033     | 0.8                               | -15.6       |
| Residential                             | 229,612                  | 224,022                  | 222,772                  | 237,604     | 247,698     | 252,987     | 2.5                               | -9.2        |
| Nonresidential                          | 252,168                  | 253,823                  | 253,311                  | 252,323     | 262,966     | 318,046     | -0.7                              | -20.7       |
| Lodging                                 | 9,703                    | 10,234                   | 10,842                   | 10,794      | 10,890      | 20,098      | -5.2                              | -51.7       |
| Office                                  | 22,347                   | 23,721                   | 23,308                   | 22,504      | 23,632      | 32,847      | -5.8                              | -32.0       |
| Commercial                              | 35,812                   | 36,899                   | 37,443                   | 38,004      | 38,567      | 42,278      | -2.9                              | -15.3       |
| Health care                             | 30,200                   | 30,958                   | 29,733                   | 29,719      | 30,250      | 34,111      | -2.4                              | -11.5       |
| Educational                             | 13,116                   | 13,135                   | 13,446                   | 12,980      | 13,679      | 15,174      | -0.1                              | -13.6       |
| Religious                               | 5,039                    | 5,117                    | 4,969                    | 5,035       | 5,437       | 5,674       | -1.5                              | -11.2       |
| Amusement and recreation                | 6,021                    | 6,548                    | 6,255                    | 6,124       | 6,730       | 6,732       | -8.0                              | -10.6       |
| Transportation                          | 8,639                    | 8,413                    | 8,358                    | 8,518       | 8,510       | 8,872       | 2.7                               | -2.6        |
| Communication                           | 17,527                   | 17,810                   | 18,140                   | 18,025      | 17,698      | 19,266      | -1.6                              | -9.0        |
| Power                                   | 68,647                   | 63,650                   | 63,393                   | 62,397      | 67,737      | 77,214      | 7.9                               | -11.1       |
| Manufacturing                           | 33,882                   | 35,981                   | 36,023                   | 36,792      | 38,705      | 54,498      | -5.8                              | -37.8       |
| Total Public Construction <sup>2</sup>  | 320,543                  | 319,245                  | 315,375                  | 308,825     | 309,535     | 313,619     | 0.4                               | 2.2         |
| Residential                             | 10,711                   | 10,750                   | 10,433                   | 10,103      | 10,104      | 8,114       | -0.4                              | 32.0        |
| Nonresidential                          | 309,833                  | 308,495                  | 304,942                  | 298,722     | 299,431     | 305,505     | 0.4                               | 1.4         |
| Office                                  | 12,812                   | 13,208                   | 12,769                   | 12,920      | 13,405      | 14,732      | -3.0                              | -13.0       |
| Commercial                              | 3,227                    | 2,822                    | 3,081                    | 2,443       | 2,643       | 3,675       | 14.4                              | -12.2       |
| Health care                             | 10,217                   | 10,056                   | 9,597                    | 9,865       | 9,482       | 9,930       | 1.6                               | 2.9         |
| Educational                             | 75,040                   | 76,332                   | 76,471                   | 76,997      | 74,014      | 81,058      | -1.7                              | -7.4        |
| Public safety                           | 11,505                   | 11,341                   | 11,336                   | 11,082      | 12,171      | 12,877      | 1.4                               | -10.7       |
| Amusement and recreation                | 11,864                   | 11,508                   | 11,491                   | 10,988      | 10,437      | 11,606      | 3.1                               | 2.2         |
| Transportation                          | 31,277                   | 33,337                   | 30,121                   | 30,561      | 31,561      | 30,560      | -6.2                              | 2.3         |
| Power                                   | 15,319                   | 13,528                   | 14,141                   | 13,353      | 13,886      | 10,120      | 13.2                              | 51.4        |
| Highway and street                      | 87,041                   | 85,979                   | 85,378                   | 80,881      | 82,037      | 85,796      | 1.2                               | 1.5         |
| Sewage and waste disposal               | 26,452                   | 26,082                   | 26,647                   | 26,329      | 25,447      | 23,288      | 1.4                               | 13.6        |
| Water supply                            | 15,526                   | 15,535                   | 15,834                   | 15,744      | 15,408      | 14,894      | -0.1                              | 4.2         |
| Conservation and development            | 7,723                    | 7,205                    | 6,770                    | 6,366       | 7,730       | 6,255       | 7.2                               | 23.5        |

<sup>&</sup>lt;sup>p</sup> Preliminary <sup>r</sup> Revised

<sup>&</sup>lt;sup>1</sup> Includes the following categories of private construction not shown separately: public safety, highway and street, sewage and waste disposal, water supply, and conservation and development.

<sup>&</sup>lt;sup>2</sup> Includes the following categories of public construction not shown separately: lodging, religious, communication, and manufacturing.

Table 2. Value of Construction Put in Place in the United States, Not Seasonally Adjusted

(Millions of dollars. Details may not add to totals due to rounding.)

| Type of Construction 72,822 74,533 76,163 73,980 74,440 80,742 684,556 770,617 71,121 Residential 22,517 21,515 23,308 23,672 23,755 24,369 213,525 214,331 22,457 21,515 23,308 23,672 23,755 24,369 213,525 214,331 22,457 21,515 23,308 23,672 23,755 24,369 213,525 214,331 22,457 24,532 10,6ging 884 894 894 894 894 894 894 894 894 894   |   |        |        |          |        |        |        | Year-to-date |         |       |
|--|---|--------|--------|----------|--------|--------|--------|--------------|---------|-------|
| Residential   22,517   21,515   23,308   23,672   23,755   24,869   213,525   214,331   -0.4   | Type of Construction                    |        | •      | <u>~</u> |        |        |        |              |         |       |
| Nonresidential 50.306 53.018 52.855 50.308 50.685 56.373 471.131 556.285 1-5.3 Lodging 848 894 949 941 949 1,1688 9,831 22.457 -56.2   | Total Construction                      | 72,822 | 74,533 | 76,163   | 73,980 | 74,440 | 80,742 | 684,656      | 770,617 | -11.2 |
| Lodging   B48   894   949   941   949   1,886   9,831   622 457   -562   Coffice   2,995   3,355   3,144   3,017   3,210   4,066   31,623   45,440   -30,4     | Residential                             | 22,517 | 21,515 | 23,308   | 23,672 | 23,755 | 24,369 | 213,525      | 214,331 | -0.4  |
| Office         2.995         3.355         3.144         3.017         3.210         4.066         31,623         4.5440         -30.4           Commercial         3.429         3.617         3.638         3.575         3.648         4.096         34,639         47,525         -27.1           Health care         3.474         3.615         3.584         3.282         3.432         3.798         33,196         38,176         -13.0           Religious         453         460         438         437         461         508         4,234         5,258         -15.7           Public safety         966         1,115         977         960         1,033         1,133         10,020         11,814         -15.2           Amusement and recreation         1,561         1,668         1,001         1,477         1,600         1,618         14,201         16,224         -12.5           Tommunication         1,505         1,587         1,500         1,567         1,712         14,526         16,061         -9.5           Power         7,449         6,541         6,747         6,462         6,978         8,178         66,170         70,232         70,302         2   | Nonresidential                          | 50,306 | 53,018 | 52,855   | 50,308 | 50,685 | 56,373 | 471,131      | 556,285 | -15.3 |
| Commercial Health care   | Lodging                                 | 848    | 894    | 949      | 941    | 949    | 1,688  | 9,831        | 22,457  | -56.2 |
| Health care Educational 7,365 8,262 9,178 8,918 8,378 8,318 33,196 38,176 1-3.0 Educational 7,385 8,282 9,178 8,918 8,377 8,152 75,622 88,709 -14.8 Religious 453 460 438 437 461 508 4.434 5,258 -15.7 Public safety 966 1,115 977 960 1,053 1,135 10,020 11,814 -15.2 Amusement and recreation 1,561 1,668 1,001 1,487 1,500 1,618 14,201 16,224 -12.5 Transportation 1,505 1,552 1,587 1,500 1,618 14,201 16,224 -12.5 Transportation 1,505 1,552 1,587 1,500 1,618 14,201 16,224 12.5 Transportation 1,505 1,552 1,587 1,500 1,618 14,201 16,224 12.5 Transportation 1,505 1,552 1,587 1,500 1,618 14,201 16,224 12.5 Transportation 1,505 1,552 1,587 1,500 1,618 14,201 16,224 12.5 Transportation 1,505 1,552 1,587 1,500 1,618 1,426 1,6105 1,955 1,900 1, | Office                                  | 2,995  | 3,355  | 3,144    | 3,017  | 3,210  | 4,066  | 31,623       | 45,440  | -30.4 |
| Educational Religious 453 460 438 437 461 508 4.754 4.754 5.258 -15.75 Public safety 966 1.115 977 960 1.053 1.135 10.020 11.614 -15.25 Amusement and recreation 1.561 1.668 1.601 1.487 1.500 1.618 14.201 16.224 -12.5 Transportation 3.744 3.895 3.572 3.546 3.505 3.694 33.401 31.901 4.7 Communication 1.505 1.532 1.587 1.500 1.567 1.712 14.526 16.051 9.5 Power 7.449 6.541 6.747 6.462 6.762 7.878 8.178 4.781 1.009 1.95 Power 1.482 2.471 2.486 2.366 2.272 2.224 21.416 20.373 5.1 Water supply 1.482 1.459 1.499 1.490 1.400 1.367 1.2905 13.016 0.9.5 Power 2.449 1.459 1.499 1.490 1.400 1.367 1.2905 13.016 0.9.5 Power 2.449 1.499 1.499 1.490 1.490 1.307 1.2905 13.016 0.9.5 Power 2.449 1.499 1.499 1.490 1.490 1.307 1.2905 13.016 0.9.5 Power 2.490 1.490 1.490 1.490 1.307 1.2905 13.016 0.9.5 Power 2.490 1.490 1.490 1.490 1.307 1.2905 13.016 0.9.5 Power 2.490 1.490 1.490 1.490 1.307 1.2905 13.016 0.9.5 Power 2.490 1.490 1.490 1.490 1.307 1.2905 13.016 0.9.5 Power 2.490 1.490 1.490 1.490 1.307 1.2905 13.016 0.9.5 Power 2.490 1.490 1.490 1.490 1.307 1.2905 13.016 0.9.5 Power 2.490 1.490 1.490 1.490 1.307 1.2905 13.016 0.9.5 Power 2.490 1.490 1.490 1.307 1.2905 1.490 1 | Commercial                              |        |        |          |        | 3,645  | -      |              | -       | -27.1 |
| Religious   453   460   438   437   461   508   4434   5,258   -15.7   Public safety   966   1,15   977   960   1,163   1,163   1,162   1,020   1,1814   -15.2   Amusement and recreation   1,561   1,668   1,601   1,487   1,500   1,618   14,201   16,224   -12.5   Transportation   3,744   3,895   3,572   3,546   3,505   3,894   33,401   31,901   4,7   Communication   1,505   1,532   1,587   1,500   1,657   1,712   14,526   16,051   -9.5   Power   7,449   6,541   6,747   6,462   6,978   8,178   66,170   74,281   -10.9   Highway and street   8,903   10,056   9,896   8,695   8,324   8,877   70,423   70,302   0.2   Sewage and waste disposal   2,482   2,471   2,486   2,366   2,272   2,224   21,416   20,373   5.1   Water supply   1,482   1,491   1,491   1,436   1,400   1,540   12,905   13,016   -0.9   Conservation and development   554   824   594   541   664   461   5,549   4,560   21,7   Manufacturing   3,073   3,234   3,202   3,146   3,552   52,089   425,257   502,765   -15.4   Residential   21,625   20,469   22,403   22,782   22,839   23,704   205,367   207,748   -1.1   Nonresidential   22,136   21,924   22,070   21,516   22,694   28,386   21,981   29,5017   -25,5   Office   1,937   2,081   2,024   1,899   2,041   2,838   20,559   33,069   -37,8   Religious   450   456   436   436   434   457   507   43,91   5,248   -16, 16   Religious   450   456   436   436   434   457   507   43,91   5,248   -16, 2   Religious   450   456   436   436   434   457   507   43,91   5,248   -16, 2   Religious   450   456   436   436   434   457   507   43,91   5,248   -16, 2   Residential   891   1,047   905   890   917   665   8,158   6,583   23,9   Romandiaturing   2,991   3,151   3,144   3,094   3,305   4,756   3,2611   49,746   -34.4   Religious   450   456   436   436   434   457   507   43,91   5,248   -16, 3   Residential   891   1,047   905   890   917   665   8,158   6,683   23,9   Romandiaturing   2,991   3,151   3,144   3,094   3,305   4,756   3,2611   49,746   -34.4   Residential   891   1,047   905   890   917   665   8   |   | 3,474  |        |          |        |        | •      |              | -       |       |
| Public safety   966  |   |        |        |          |        | ·      |        |              |         |       |
| Amusement and recreation 1,561 1,668 1,801 1,487 1,500 1,618 1,4201 16,224 -12.5 Transportation 3,744 3,895 3,572 3,546 3,505 3,894 33,401 31,901 4.7 Communication 1,505 1,532 1,587 1,500 1,567 1,712 14,526 16,051 -9.5 Power 7,449 8,903 10,066 9,896 8,695 8,386 8,324 8,878 66,170 74,281 -10.9 Highway and street 8,903 10,066 9,896 8,695 8,324 8,324 8,032 70,423 70,302 0.2 Sewage and waste disposal 2,482 2,471 2,486 2,366 2,272 2,224 21,416 20,373 5.1 Water supply 1,482 1,459 1,491 1,436 1,400 1,367 12,905 13,016 -0.9 Conservation and development 554 824 594 541 654 461 5,549 4,560 21.7 Manufacturing 3,073 3,234 3,202 3,146 3,3368 4,797 33,176 50,201 -33.9 Total Private Construction 43,761 42,393 44,473 44,298 45,532 52,089 425,257 502,765 -15,4 Residential 21,625 20,469 22,403 22,782 22,839 23,704 205,367 207,748 -1.1 Norresidential 22,136 21,924 22,070 21,516 22,694 28,386 218,991 295,017 -25,5 Office 1,937 2,081 2,024 1,899 2,041 2,838 20,559 33,069 37.8 Commercial 3,177 3,323 3,368 3,371 3,421 3,800 32,329 44,406 -27,2 Health care 2,650 2,685 2,556 2,476 2,463 2,963 25,570 30,299 13,488 1,994 1,195 1,254 1,196 1,263 1,294 11,599 14,488 1-19,9 Power 6,120 5,281 1,254 1,196 1,263 1,294 11,599 14,488 1-19,9 Power 6,120 5,281 1,315 1,316 1,497 1,565 1,708 14,464 16,018 -9.7 Power 6,120 5,281 1,316 3,314 3,094 2,879 2,879 2,591 2,404 2,41 1,497 1,49 | •                                       |        |        |          |        |        |        |              |         |       |
| Transportation   | •                                       |        |        | _        |        |        | -      |              | -       |       |
| Communication  |   |        |        |          |        |        | -      |              |         |       |
| Power  | •                                       |        |        |          |        |        | -      |              |         |       |
| Highway and street   8,903   10,056   9,896   8,695   8,324   8,879   70,423   70,302   0.2   Sewage and waste disposal   2,482   2,471   2,486   2,366   2,272   2,224   21,416   20,373   5.1   Mater supply   1,482   1,459   1,491   1,436   1,400   1,367   12,905   13,016   -0.9   1,000   -0.9   1,000   1,0   |   |        |        |          |        |        | -      |              | -       |       |
| Sewage and waste disposal         2,482         2,471         2,486         2,366         2,272         2,224         21,416         20,373         5.1           Water supply         1,482         1,459         1,491         1,436         1,400         1,367         12,905         13,016         -0.9           Conservation and development Manufacturing         554         824         594         541         654         461         5,549         4,560         21.7           Manufacturing         3,073         3,234         3,202         3,146         3,358         4,797         33,176         50,201         -33.9           Total Private Construction 1         43,761         42,393         44,473         44,298         45,532         52,089         425,257         502,765         -15.4           Residential         21,625         20,469         22,403         22,782         22,839         23,704         205,367         207,748         1-1.1           Nonresidential         21,625         20,469         22,403         22,782         22,839         23,704         205,367         207,748         1-1.1           Nonresidential         21,317         3,323         3,368         3,371         3,421         3,   |   |        |        |          |        |        | -      |              | -       |       |
| Water supply   |   |        |        |          |        |        | -      |              | -       |       |
| Conservation and development Manufacturing 3,073 3,234 3,202 3,146 3,358 4,797 33,176 50,201 -33.9  Total Private Construction 43,761 42,393 44,473 44,298 45,532 52,089 425,257 502,765 -15.4  Residential 21,625 20,469 22,403 22,782 22,839 23,704 205,367 207,748 1.1.  Nonresidential 22,136 21,924 22,070 21,516 22,694 28,386 219,891 295,017 -25.5  Lodging 809 853 904 900 908 1,675 9,505 22,371 -57.5  Office 1,937 2,081 2,024 18,99 2,041 2,838 20,559 33,069 37.8  Commercial 3,177 3,323 3,368 3,371 3,421 3,800 32,329 44,406 -27.2  Health care 2,650 2,685 2,556 2,476 2,623 2,996 25,370 30,299 -16.3  Educational 1,089 1,135 1,254 1,196 1,263 1,294 11,599 14,488 -19.9  Religious 450 456 436 434 457 507 4,391 5,248 -16.3  Amusement and recreation 512 553 528 516 566 581 5,192 6,6840 -24.1  Transportation 802 742 746 745 762 797 6,941 7,486 -13.2  Communication 1,1478 1,529 1,585 1,497 1,565 1,708 14,464 16,018 9-7  Power 6,120 5,281 5,393 5,273 5,688 7,7312 55,828 63,864 -12.6  Manufacturing 29,061 32,140 31,691 29,682 28,908 28,652 259,398 267,852 -3.2  Residential 891 1,047 905 890 917 665 8,156 6,583 23,9  Nonresidential 28,170 31,094 30,785 28,792 27,991 27,997 251,240 261,269 -3.8  Office 1,057 1,274 1,120 1,118 1,170 1,228 11,063 12,371 -10.6  Commercial 252 294 270 204 224 296 2,310 3,119 -25.9  Health care 824 930 799 807 809 801 7,827 7,877 -0.6  Educational 6,296 7,148 7,925 7,722 7,114 6,888 64,023 7,427 1,12  Public safety 950 1,100 964 947 1,038 1,092 9,796 11,412 -14.2  Amusement and recreation 1,049 1,115 1,073 972 934 1,038 9,009 9,384 -4.0  Transportation 2,991 3,151 3,151 3,173 972 934 1,038 9,009 9,384 -4.0  Amusement and recreation 1,049 1,115 1,073 972 934 1,038 9,009 9,384 -4.0  Feducational 6,296 7,148 7,925 7,722 7,114 6,886 61,0342 10,417 -0.7  Fublic safety 950 1,100 964 947 1,038 1,092 9,796 11,412 -14.2  Amusement and recreation 1,049 1,115 1,073 972 934 1,038 9,009 9,384 -4.0  Fublic safety 950 1,100 964 947 1,038 8,667 70,303 70,208 0.1  Fublic safety 950 1,004 9,878 8,861 8,310 8,867 70,3 |   |        | ,      |          |        |        | -      |              | -       |       |
| Manufacturing         3,073         3,234         3,202         3,146         3,358         4,797         33,176         50,201         -33.9           Total Private Construction <sup>1</sup> 43,761         42,393         44,473         44,298         45,532         52,089         425,257         502,765         -15.4           Residential         21,625         20,469         22,403         22,782         22,839         23,704         205,367         207,748         -1.1           Nonresidential         22,136         21,924         22,070         21,516         22,694         28,386         219,881         295,017         -25.5           Lodging         809         853         904         900         908         1,675         9,505         22,371         -57.5           Office         1,937         2,081         2,024         1,899         2,041         2,838         20,559         33,069         -37.8           Commercial         1,137         3,323         3,368         3,371         3,421         3,800         32,299         44,406         -27.2           Health care         2,650         2,685         2,556         2,476         2,623         2,996         25,370         30,299<  |   |        |        |          |        |        |        |              |         |       |
| Residential         21,625         20,469         22,403         22,782         22,839         23,704         205,367         207,748         -1.1           Nonresidential         22,136         21,924         22,070         21,516         22,694         28,386         219,891         295,017         -25.5           Coffice         1,937         2,081         2,024         1,899         2,041         2,838         20,559         33,069         -37.8           Commercial         3,177         3,323         3,368         3,371         3,421         3,800         32,329         44,406         -27.2           Health care         2,650         2,685         2,556         2,476         2,623         2,996         25,370         30,299         -16.3           Educational         1,089         1,135         1,254         1,196         1,263         1,294         11,599         14,488         -19.9           Religious         450         456         436         434         457         507         4,391         5,248         -16.3           Amusement and recreation         512         553         528         516         566         581         5,192         6,840         -24.1  | •                                       |        |        |          | -      |        | _      | ,            |         |       |
| Nonresidential   22,136   21,924   22,070   21,516   22,694   28,386   219,891   295,017   -25.5   | Total Private Construction <sup>1</sup> | 43,761 | 42,393 | 44,473   | 44,298 | 45,532 | 52,089 | 425,257      | 502,765 | -15.4 |
| Lodging  | Residential                             | 21,625 | 20,469 | 22,403   | 22,782 | 22,839 | 23,704 | 205,367      | 207,748 | -1.1  |
| Lodging  | Nonresidential                          | 22.136 | 21.924 | 22.070   | 21.516 | 22,694 | 28.386 | 219.891      | 295.017 | -25.5 |
| Office         1,937         2,081         2,024         1,899         2,041         2,838         20,559         33,069         -37.8           Commercial         3,177         3,323         3,368         3,371         3,421         3,800         32,329         44,406         -27.2           Health care         2,650         2,685         2,556         2,476         2,623         2,996         25,370         30,299         -16.3           Educational         1,089         1,135         1,254         1,196         1,263         1,294         11,599         14,488         -19.9           Religious         450         456         436         434         457         507         4,391         5,248         -16.3           Amusement and recreation         512         553         528         516         566         581         5,192         6,680         -24.1           Transportation         802         742         746         745         762         797         6,941         7,486         -7.3           Communication         1,478         1,529         1,585         1,497         1,565         1,708         14,464         16,018         -9.3           P  |   |        |        | ,        |        |        | ,      | ,            | ,       |       |
| Health care  |   |        |        |          |        |        | •      |              |         |       |
| Educational         1,089         1,135         1,254         1,196         1,263         1,294         11,599         14,488         -19.9           Religious         450         456         436         434         457         507         4,391         5,248         -16.3           Amusement and recreation         512         553         528         516         566         581         5,192         6,840         -24.1           Transportation         802         742         746         745         762         797         6,941         7,486         -7.3           Communication         1,478         1,529         1,585         1,497         1,565         1,708         14,464         16,018         -9.7           Power         6,120         5,281         5,393         5,273         5,688         7,312         55,828         63,864         -12.6           Manufacturing         2,991         3,151         3,144         3,094         3,305         4,756         32,611         49,746         -34.4           Total Public Construction 2         29,061         32,140         31,691         29,682         28,908         28,652         259,398         267,852         -3.2<  | Commercial                              | 3,177  | 3,323  | 3,368    | 3,371  | 3,421  | 3,800  | 32,329       | 44,406  | -27.2 |
| Religious  | Health care                             | 2,650  | 2,685  | 2,556    | 2,476  | 2,623  | 2,996  | 25,370       | 30,299  | -16.3 |
| Amusement and recreation Transportation Ro2 742 746 745 762 797 6,941 7,486 7.3 Communication 1,478 1,529 1,585 1,497 1,565 1,708 14,464 16,018 -9.7 Power 6,120 5,281 5,393 5,273 5,688 7,312 55,828 63,864 -12.6 Manufacturing 2,991 3,151 3,144 3,094 3,305 4,756 32,611 49,746 -34.4  Total Public Construction 2 29,061 32,140 31,691 29,682 28,908 28,652 259,398 267,852 -3.2  Residential 891 1,047 905 890 917 665 8,158 6,583 23.9  Nonresidential 28,170 31,094 30,785 28,792 27,991 27,987 251,240 261,269 -3.8 Office 1,057 1,274 1,120 1,118 1,170 1,228 11,063 12,371 -10.6 Commercial 252 294 270 204 224 296 2,310 3,119 -25.9 Educational 6,296 7,148 7,925 7,722 7,114 6,858 64,023 74,221 -13.7 Public safety 950 1,100 964 947 1,038 1,092 9,796 11,412 -14.2 Amusement and recreation 1,049 1,115 1,073 972 934 1,038 9,009 9,384 -4.0 Transportation 2,942 3,152 2,826 2,801 2,743 2,897 26,460 24,415 8.4 Power 1,329 1,260 1,355 1,189 1,290 866 10,342 10,417 -0.7 Sewage and waste disposal 2,445 2,430 2,449 2,336 2,235 2,182 21,082 19,945 5.7   | Educational                             | 1,089  | 1,135  | 1,254    | 1,196  | 1,263  | 1,294  |              |         |       |
| Transportation         802 Communication         742 T48         745 T529         762 T56         797 T56         6,941 T7,486 T60         7.3           Communication         1,478 T529         1,585 T539         1,497 T1,565 T1,708 T1,464 T1,665         1,708 T1,464 T1,665 T1,708 T1,464 T1,665         16,018 T2,682 T1,685 T1,708 T1,709 T1,  | Religious                               |        |        |          | 434    | 457    | 507    | •            |         | -16.3 |
| Communication Power Power Power Power Boundary Power Power Power Power Manufacturing         1,478 b 1,529 b 1,585 b 1,497 b 1,565 b 1,708 b 14,464 b 16,018 b 14,26 b 1,26 b                                 |   |        |        |          |        |        |        |              | ,       |       |
| Power Manufacturing         6,120 (2,991)         5,281 (3,393)         5,273 (3,094)         5,688 (3,305)         7,312 (3,55,828)         63,864 (4,746)         -12.6 (3,864) <t< td=""><td>•</td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td></t<>  | •                                       |        |        |          | -      |        |        |              |         |       |
| Manufacturing         2,991         3,151         3,144         3,094         3,305         4,756         32,611         49,746         -34.4           Total Public Construction 2         29,061         32,140         31,691         29,682         28,908         28,652         259,398         267,852         -3.2           Residential         891         1,047         905         890         917         665         8,158         6,583         23.9           Nonresidential         28,170         31,094         30,785         28,792         27,991         27,987         251,240         261,269         -3.8           Office         1,057         1,274         1,120         1,118         1,170         1,228         11,063         12,371         -10.6           Commercial         252         294         270         204         224         296         2,310         3,119         -25.9           Health care         824         930         799         807         809         801         7,827         7,877         -0.6           Educational         6,296         7,148         7,925         7,722         7,114         6,858         64,023         74,221         -13.7   |   | ,      |        |          |        | ·      | •      |              |         | _     |
| Residential 891 1,047 905 890 917 665 8,158 6,583 23.9  Nonresidential 28,170 31,094 30,785 28,792 27,991 27,987 251,240 261,269 -3.8  Office 1,057 1,274 1,120 1,118 1,170 1,228 11,063 12,371 -10.6  Commercial 252 294 270 204 224 296 2,310 3,119 -25.9  Health care 824 930 799 807 809 801 7,827 7,877 -0.6  Educational 6,296 7,148 7,925 7,722 7,114 6,858 64,023 74,221 -13.7  Public safety 950 1,100 964 947 1,038 1,092 9,796 11,412 -14.2  Amusement and recreation 1,049 1,115 1,073 972 934 1,038 9,009 9,384 -4.0  Transportation 2,942 3,152 2,826 2,801 2,743 2,897 26,460 24,415 8.4  Power 1,329 1,260 1,355 1,189 1,290 866 10,342 10,417 -0.7  Highway and street 8,892 10,040 9,878 8,681 8,310 8,867 70,303 70,208 0.1  Sewage and waste disposal 2,445 2,430 2,449 2,336 2,235 2,182 21,082 19,945 5.7  |   |        |        | •        |        |        | -      |              | -       |       |
| Nonresidential         28,170         31,094         30,785         28,792         27,991         27,987         251,240         261,269         -3.8           Office         1,057         1,274         1,120         1,118         1,170         1,228         11,063         12,371         -10.6           Commercial         252         294         270         204         224         296         2,310         3,119         -25.9           Health care         824         930         799         807         809         801         7,827         7,877         -0.6           Educational         6,296         7,148         7,925         7,722         7,114         6,858         64,023         74,221         -13.7           Public safety         950         1,100         964         947         1,038         1,092         9,796         11,412         -14.2           Amusement and recreation         1,049         1,115         1,073         972         934         1,038         9,009         9,384         -4.0           Transportation         2,942         3,152         2,826         2,801         2,743         2,897         26,460         24,415         8.4   | Total Public Construction <sup>2</sup>  | 29,061 | 32,140 | 31,691   | 29,682 | 28,908 | 28,652 | 259,398      | 267,852 | -3.2  |
| Office         1,057         1,274         1,120         1,118         1,170         1,228         11,063         12,371         -10.6           Commercial         252         294         270         204         224         296         2,310         3,119         -25.9           Health care         824         930         799         807         809         801         7,827         7,877         -0.6           Educational         6,296         7,148         7,925         7,722         7,114         6,858         64,023         74,221         -13.7           Public safety         950         1,100         964         947         1,038         1,092         9,796         11,412         -14.2           Amusement and recreation         1,049         1,115         1,073         972         934         1,038         9,009         9,384         -4.0           Transportation         2,942         3,152         2,826         2,801         2,743         2,897         26,460         24,415         8.4           Power         1,329         1,260         1,355         1,189         1,290         866         10,342         10,417         -0.7           Highway a  | Residential                             | 891    | 1,047  | 905      | 890    | 917    | 665    | 8,158        | 6,583   | 23.9  |
| Office         1,057         1,274         1,120         1,118         1,170         1,228         11,063         12,371         -10.6           Commercial         252         294         270         204         224         296         2,310         3,119         -25.9           Health care         824         930         799         807         809         801         7,827         7,877         -0.6           Educational         6,296         7,148         7,925         7,722         7,114         6,858         64,023         74,221         -13.7           Public safety         950         1,100         964         947         1,038         1,092         9,796         11,412         -14.2           Amusement and recreation         1,049         1,115         1,073         972         934         1,038         9,009         9,384         -4.0           Transportation         2,942         3,152         2,826         2,801         2,743         2,897         26,460         24,415         8.4           Power         1,329         1,260         1,355         1,189         1,290         866         10,342         10,417         -0.7           Highway a  | Nonresidential                          | 28 170 |        | 30 785   |        |        |        |              |         |       |
| Commercial         252         294         270         204         224         296         2,310         3,119         -25.9           Health care         824         930         799         807         809         801         7,827         7,877         -0.6           Educational         6,296         7,148         7,925         7,722         7,114         6,858         64,023         74,221         -13.7           Public safety         950         1,100         964         947         1,038         1,092         9,796         11,412         -14.2           Amusement and recreation         1,049         1,115         1,073         972         934         1,038         9,009         9,384         -4.0           Transportation         2,942         3,152         2,826         2,801         2,743         2,897         26,460         24,415         8.4           Power         1,329         1,260         1,355         1,189         1,290         866         10,342         10,417         -0.7           Highway and street         8,892         10,040         9,878         8,681         8,310         8,867         70,303         70,208         0.1 <t< td=""><td></td><td>1 ' 1</td><td></td><td>,</td><td></td><td></td><td>•</td><td>,</td><td></td><td></td></t<>   |   | 1 ' 1  |        | ,        |        |        | •      | ,            |         |       |
| Health care         824         930         799         807         809         801         7,827         7,877         -0.6           Educational         6,296         7,148         7,925         7,722         7,114         6,858         64,023         74,221         -13.7           Public safety         950         1,100         964         947         1,038         1,092         9,796         11,412         -14.2           Amusement and recreation         1,049         1,115         1,073         972         934         1,038         9,009         9,384         -4.0           Transportation         2,942         3,152         2,826         2,801         2,743         2,897         26,460         24,415         8.4           Power         1,329         1,260         1,355         1,189         1,290         866         10,342         10,417         -0.7           Highway and street         8,892         10,040         9,878         8,681         8,310         8,867         70,303         70,208         0.1           Sewage and waste disposal         2,445         2,430         2,449         2,336         2,235         2,182         21,082         19,945         5.7  |   |        |        |          |        |        |        |              |         |       |
| Educational         6,296         7,148         7,925         7,722         7,114         6,858         64,023         74,221         -13.7           Public safety         950         1,100         964         947         1,038         1,092         9,796         11,412         -14.2           Amusement and recreation         1,049         1,115         1,073         972         934         1,038         9,009         9,384         -4.0           Transportation         2,942         3,152         2,826         2,801         2,743         2,897         26,460         24,415         8.4           Power         1,329         1,260         1,355         1,189         1,290         866         10,342         10,417         -0.7           Highway and street         8,892         10,040         9,878         8,681         8,310         8,867         70,303         70,208         0.1           Sewage and waste disposal         2,445         2,430         2,449         2,336         2,235         2,182         21,082         19,945         5.7   |   |        |        |          |        |        |        | •            |         |       |
| Public safety         950         1,100         964         947         1,038         1,092         9,796         11,412         -14.2           Amusement and recreation         1,049         1,115         1,073         972         934         1,038         9,009         9,384         -4.0           Transportation         2,942         3,152         2,826         2,801         2,743         2,897         26,460         24,415         8.4           Power         1,329         1,260         1,355         1,189         1,290         866         10,342         10,417         -0.7           Highway and street         8,892         10,040         9,878         8,681         8,310         8,867         70,303         70,208         0.1           Sewage and waste disposal         2,445         2,430         2,449         2,336         2,235         2,182         21,082         19,945         5.7   | Educational                             |        | 7,148  | 7,925    | 7,722  | 7,114  |        |              |         |       |
| Transportation         2,942         3,152         2,826         2,801         2,743         2,897         26,460         24,415         8.4           Power         1,329         1,260         1,355         1,189         1,290         866         10,342         10,417         -0.7           Highway and street         8,892         10,040         9,878         8,681         8,310         8,867         70,303         70,208         0.1           Sewage and waste disposal         2,445         2,430         2,449         2,336         2,235         2,182         21,082         19,945         5.7  | Public safety                           |        | 1,100  | 964      |        |        | 1,092  | 9,796        | 11,412  | -14.2 |
| Power         1,329         1,260         1,355         1,189         1,290         866         10,342         10,417         -0.7           Highway and street         8,892         10,040         9,878         8,681         8,310         8,867         70,303         70,208         0.1           Sewage and waste disposal         2,445         2,430         2,449         2,336         2,235         2,182         21,082         19,945         5.7   |   |        |        |          | 972    | 934    | -      | •            | -       |       |
| Highway and street         8,892         10,040         9,878         8,681         8,310         8,867         70,303         70,208         0.1           Sewage and waste disposal         2,445         2,430         2,449         2,336         2,235         2,182         21,082         19,945         5.7  | •                                       |        |        |          |        |        | -      |              |         |       |
| Sewage and waste disposal         2,445         2,430         2,449         2,336         2,235         2,182         21,082         19,945         5.7  |   |        |        |          |        |        |        |              |         |       |
|  |   |        |        |          |        | ·      | -      |              |         |       |
| water supply   1,427  1,397  1,431  1,381  1,374  1,344  12,504  12.782  -2.2  |   |        |        |          |        |        |        |              |         |       |
| Conservation and development 553 823 588 535 648 459 5,525 4,536 21.8  |   |        |        |          |        |        |        |              |         |       |

<sup>&</sup>lt;sup>p</sup> Preliminary <sup>r</sup> Revised

<sup>&</sup>lt;sup>1</sup> Includes the following categories of private construction not shown separately: public safety, highway and street, sewage and waste disposal, water supply, and conservation and development.

 $<sup>^2</sup>$  Includes the following categories of public construction not shown separately: lodging, religious, communication, and manufacturing.

 $\label{thm:condition} \mbox{Table 3. Coefficients of Variation and Standard Errors by Type of Construction} \ \ \mbox{(Percent)}$ 

| <u> </u>                                  | Coefficient of | variation    | Standard error |                |                   |  |  |
|---|----------------|--------------|----------------|----------------|-------------------|--|--|
| Type of Construction                      |                |              |                |                | Month-to-month    |  |  |
|   | Monthly        | Year-to-date | Year-to-date   | Month-to-month | change from prev. |  |  |
|   | estimate       | estimate     | change         | change         | year              |  |  |
| Total Construction                        | 0.9            | 0.5          | 0.6            | 0.9            | 1.1               |  |  |
| Residential                               | 3.7            | 2.7          | 4.2            | 2.3            | 5.0               |  |  |
| Nonresidential                            | 0.9            | 0.5          | 0.6            | 0.9            | 1.2               |  |  |
| Lodging                                   | 4.1            | 3.1          | 1.5            | 3.6            | 2.8               |  |  |
| Office                                    | 1.9            | 1.3          | 1.5            | 1.4            | 2.0               |  |  |
| Commercial                                | 3.4            | 2.1          | 1.7            | 2.2            | 3.0               |  |  |
| Health care                               | 1.8            | 1.5          | 1.5            | 1.1            | 2.6               |  |  |
| Educational                               | 2.0            | 1.4          | 1.6            | 1.7            | 2.4               |  |  |
| Religious                                 | 5.8            | 4.1          | 4.3            | 4.1            | 6.4               |  |  |
| Public safety                             | 3.2            | 2.3          | 2.1            | 2.4            | 3.0               |  |  |
| Amusement and recreation Transportation   | 3.7<br>2.6     | 2.6<br>2.1   | 3.1<br>2.6     | 3.4<br>1.7     | 4.7<br>3.4        |  |  |
| Communication                             | NA             | NA           | Z.6<br>NA      | NA             | NA                |  |  |
| Power                                     | 0.9            | 0.9          | 0.8            | 1.0            | 1.3               |  |  |
| Highway and street                        | 3.2            | 1.5          | 2.3            | 3.1            | 4.7               |  |  |
| Sewage and waste disposal                 | 2.9            | 1.7          | 2.6            | 3.0            | 4.9               |  |  |
| Water supply                              | 3.6            | 2.3          | 3.1            | 3.5            | 5.9               |  |  |
| Conservation and development              | 3.0            | 1.8          | 3.1            | 2.1            | 7.0               |  |  |
| Manufacturing                             | 2.1            | 2.1          | 1.3            | 1.1            | 1.0               |  |  |
| Total Private Construction                | 1.0            | 0.7          | 0.6            | 0.7            | 1.0               |  |  |
| Residential                               | 5.0            | 1.1          | 1.3            | 0.8            | 1.4               |  |  |
| Nonresidential                            | 1.0            | 0.7          | 0.6            | 0.7            | 1.0               |  |  |
| Lodging                                   | 4.2            | 3.2          | 1.5            | 3.7            | 2.8               |  |  |
| Office                                    | 2.9            | 1.9          | 1.6            | 2.0            | 2.5               |  |  |
| Commercial                                | 3.7            | 2.2          | 1.8            | 2.4            | 3.1               |  |  |
| Health care                               | 2.4            | 1.9          | 1.8            | 1.3            | 3.2               |  |  |
| Educational                               | 3.7            | 2.9          | 2.6            | 2.4            | 3.1               |  |  |
| Religious                                 | 5.9            | 4.1          | 4.3            | 4.1            | 6.4               |  |  |
| Amusement and recreation                  | 5.0            | 3.9          | 3.9            | 1.9            | 5.2               |  |  |
| Transportation                            | 9.8            | 6.7          | 9.4            | 3.3            | 10.1              |  |  |
| Communication                             | NA             | NA           | NA             | NA             | NA                |  |  |
| Power                                     | 0.4            | 0.3          | 0.4            | 0.4            | 0.3               |  |  |
| Manufacturing                             | 2.1            | 2.3          | 1.3            | 1.0            | 0.9               |  |  |
| Total Public Construction                 | 1.2            | 0.6          | 1.0            | 1.3            | 1.8               |  |  |
| Residential                               | 3.7            | 2.7          | 4.2            | 2.3            | 5.0               |  |  |
| Nonresidential                            | 1.2            | 0.6          | 1.0            | 1.3            | 1.9               |  |  |
| Office                                    | 2.1            | 1.8          | 2.4            | 1.7            | 2.9               |  |  |
| Commercial                                | 7.4            | 5.9          | 4.7            | 5.5            | 9.9               |  |  |
| Health care                               | 2.4            | 1.7          | 2.3            | 2.1            | 3.7               |  |  |
| Educational                               | 2.3            | 1.5          | 1.9            | 1.9            | 2.8               |  |  |
| Public safety                             | 3.2            | 2.3          | 2.1            | 2.5            | 3.1               |  |  |
| Amusement and recreation                  | 4.9            | 3.4          | 4.6            | 5.0            | 7.0               |  |  |
| Transportation                            | 2.6            | 2.2          | 2.7            | 1.8            | 3.5               |  |  |
| Power                                     | 6.6            | 7.5          | 7.4            | 9.3            | 16.5              |  |  |
| Highway and street                        | 3.2            | 1.5          | 2.3            | 3.1            | 4.8               |  |  |
| Sewage and waste disposal                 | 2.9            | 1.7          | 2.6            | 3.1            | 5.0               |  |  |
| Water supply Conservation and development | 3.7<br>3.0     | 2.4<br>1.8   | 3.1<br>3.1     | 3.7<br>2.1     | 6.0<br>7.0        |  |  |
| Conservation and development              | ა.0            | 1.0          | 3.1            | ۷.۱            | 7.0               |  |  |

NA Not applicable