



ECONOMICS
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ADMINISTRATION

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JULY 2004 CONSTRUCTION AT \$997.2 BILLION ANNUAL RATE

Construction put in place spending during July 2004 was estimated at a seasonally adjusted annual rate of \$997.2 billion, 0.4 (± 1.8) percent above the revised June estimate of \$992.9 billion, according to the U.S. Commerce Department's Census Bureau. The July figure is 9.7 (± 2.4) percent above the July 2003 estimate of \$909.4 billion.

During the first 7 months of this year, construction spending amounted to \$550.2 billion, 9.0 (± 1.6) percent above the \$504.8 billion for the same period in 2003.

PRIVATE CONSTRUCTION

Spending on private construction was at a seasonally adjusted annual rate of \$758.3 billion, 0.4 (± 1.8) percent above the revised June estimate of \$755.3 billion. Residential construction was at a seasonally adjusted annual rate of \$537.5 billion in July, 0.3 (± 1.8) percent above the revised June estimate of \$536.1 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$220.8 billion in July, 0.8 (± 1.8) percent above the revised June estimate of \$219.1 billion.

PUBLIC CONSTRUCTION

In July, the estimated seasonally adjusted annual rate of public construction spending was \$238.9 billion, 0.6 (± 2.6) percent above the revised June estimate of \$237.6 billion. Educational construction was at a seasonally adjusted annual rate of \$63.8 billion, 1.5 (± 3.5) percent below the revised June estimate of \$64.8 billion. Highway construction was at a seasonally adjusted annual rate of \$65.7 billion, 1.8 (± 6.9) percent below the revised June estimate of \$66.9 billion.

August 2004 data will be released on October 1, 2004 at 10:00 AM EDT.

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 errors 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. If the range contains zero, it is uncertain whether there was an increase or decrease; that is, the change was not statistically significant. For any comparison cited without a confidence interval, the change is statistically significant. 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, 0.7 percent; private construction, 0.6 percent; and public construction, 2.0 percent.

More detailed data and a discussion of methodologies appear at our website: <http://www.census.gov/constructionspending>

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	Jul 2004 ^P	Jun 2004 ^r	May 2004 ^r	Apr 2004	Mar 2004	Jul 2003	Percent change Jul 2004 from -	
							Jun 2004	Jul 2003
Total Construction	997,226	992,895	992,754	986,364	973,868	909,420	0.4	9.7
Residential	545,757	543,819	543,133	532,946	528,965	479,281	0.4	13.9
Nonresidential	451,469	449,076	449,622	453,418	444,903	430,139	0.5	5.0
Lodging	12,354	12,539	12,251	12,470	12,312	10,944	-1.5	12.9
Office	43,569	44,034	44,094	44,899	44,229	41,776	-1.1	4.3
Commercial	66,628	65,532	64,660	63,632	60,541	63,889	1.7	4.3
Health care	34,653	33,717	33,543	34,207	31,692	29,789	2.8	16.3
Educational	76,247	76,841	75,320	76,551	74,958	76,697	-0.8	-0.6
Religious	8,325	8,147	8,273	8,199	8,049	8,756	2.2	-4.9
Public safety	8,886	8,673	8,644	8,530	8,156	9,715	2.5	-8.5
Amusement and recreation	20,735	20,376	20,513	19,774	19,121	20,110	1.8	3.1
Transportation	25,973	24,963	25,107	26,873	27,122	25,214	4.0	3.0
Communication	12,653	12,289	12,381	12,773	12,621	13,110	3.0	-3.5
Power	31,252	32,023	31,865	32,912	34,584	26,756	-2.4	16.8
Highway and street	66,105	67,554	69,390	69,273	68,012	61,500	-2.1	7.5
Sewage and waste disposal	14,938	14,638	15,210	14,777	14,489	13,448	2.0	11.1
Water supply	10,960	10,581	10,100	10,550	10,602	10,205	3.6	7.4
Conservation and development	3,963	4,071	3,877	4,275	4,374	4,235	-2.7	-6.4
Manufacturing	14,229	13,101	14,394	13,724	14,042	13,994	8.6	1.7
Total Private Construction ¹	758,289	755,267	756,431	747,475	738,714	681,057	0.4	11.3
Residential	537,495	536,126	535,543	525,895	522,178	472,505	0.3	13.8
Nonresidential	220,794	219,141	220,888	221,580	216,536	208,552	0.8	5.9
Lodging	11,564	11,603	11,240	11,374	11,060	9,424	-0.3	22.7
Office	31,440	32,260	32,358	33,107	32,249	30,089	-2.5	4.5
Commercial	61,570	60,678	59,969	58,906	56,400	59,028	1.5	4.3
Health care	27,558	26,779	26,813	26,973	25,167	23,567	2.9	16.9
Educational	12,408	12,045	12,978	13,634	12,676	13,747	3.0	-9.7
Religious	8,323	8,146	8,272	8,198	8,048	8,732	2.2	-4.7
Amusement and recreation	9,063	8,854	8,858	8,323	7,767	7,844	2.4	15.5
Transportation	6,538	6,381	6,412	6,640	7,074	6,283	2.5	4.1
Communication	12,515	12,159	12,249	12,635	12,455	12,969	2.9	-3.5
Power	24,042	24,962	25,565	26,588	27,978	21,710	-3.7	10.7
Manufacturing	14,065	12,934	14,257	13,430	13,854	13,922	8.7	1.0
Total Public Construction ²	238,938	237,628	236,323	238,889	235,154	228,363	0.6	4.6
Residential	8,262	7,693	7,590	7,051	6,787	6,776	7.4	21.9
Nonresidential	230,675	229,935	228,733	231,838	228,368	221,587	0.3	4.1
Office	12,129	11,774	11,736	11,793	11,980	11,687	3.0	3.8
Commercial	5,058	4,854	4,691	4,726	4,140	4,861	4.2	4.1
Health care	7,095	6,938	6,729	7,234	6,525	6,223	2.3	14.0
Educational	63,839	64,795	62,342	62,917	62,283	62,949	-1.5	1.4
Public safety	8,528	8,339	8,297	8,192	7,908	9,529	2.3	-10.5
Amusement and recreation	11,672	11,522	11,656	11,451	11,354	12,266	1.3	-4.8
Transportation	19,435	18,582	18,695	20,233	20,048	18,931	4.6	2.7
Power	7,210	7,061	6,300	6,324	6,606	5,046	2.1	42.9
Highway and street	65,725	66,929	68,856	68,900	67,585	61,273	-1.8	7.3
Sewage and waste disposal	14,616	14,298	14,830	14,324	14,025	13,185	2.2	10.9
Water supply	10,487	10,060	9,671	10,149	10,326	9,816	4.2	6.8
Conservation and development	3,787	3,551	3,649	4,067	3,980	4,064	6.6	-6.8

^P Preliminary ^r Revised

¹ 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.

² 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	Jul 2004 ^P	Jun 2004 ^r	May 2004 ^r	Apr 2004	Mar 2004	Jul 2003	Year-to-date		Percent change
							Jul 2004	Jul 2003	
Total Construction	91,242	90,108	85,213	80,161	73,627	83,532	550,211	504,752	9.0
Residential	50,208	49,487	47,584	43,865	40,359	44,281	301,156	263,951	14.1
Nonresidential	41,034	40,621	37,629	36,297	33,268	39,250	249,055	240,801	3.4
Lodging	1,030	1,045	1,021	1,039	1,026	912	6,881	6,658	3.3
Office	3,708	3,773	3,754	3,785	3,608	3,554	25,014	23,281	7.4
Commercial	5,957	5,779	5,348	5,183	4,657	5,629	35,826	34,830	2.9
Health care	2,872	2,954	2,856	2,907	2,622	2,487	18,936	17,314	9.4
Educational	7,464	7,181	6,221	5,987	5,513	7,487	42,534	41,992	1.3
Religious	719	691	683	661	617	757	4,533	4,823	-6.0
Public safety	735	728	706	697	640	795	4,764	5,002	-4.8
Amusement and recreation	1,761	1,785	1,770	1,684	1,531	1,694	11,445	11,545	-0.9
Transportation	2,310	2,198	2,129	2,160	1,966	2,231	14,197	14,070	0.9
Communication	1,094	1,107	961	1,066	1,047	1,161	6,947	7,067	-1.7
Power	2,652	2,655	2,579	2,773	2,854	2,347	19,123	18,666	2.4
Highway and street	6,907	6,991	5,965	4,837	3,845	6,548	34,643	31,902	8.6
Sewage and waste disposal	1,322	1,325	1,285	1,184	1,086	1,208	8,162	7,473	9.2
Water supply	959	923	849	861	799	880	5,880	5,885	-0.1
Conservation and development	327	332	291	343	330	356	2,202	2,160	1.9
Manufacturing	1,218	1,153	1,212	1,130	1,127	1,208	7,968	8,133	-2.0
Total Private Construction ¹	68,665	67,854	65,409	61,741	57,212	61,913	421,694	381,747	10.5
Residential	49,510	48,812	46,951	43,294	39,835	43,713	297,104	260,220	14.2
Nonresidential	19,155	19,042	18,458	18,446	17,377	18,201	124,590	121,527	2.5
Lodging	964	967	937	948	922	785	6,304	5,958	5.8
Office	2,692	2,727	2,742	2,787	2,627	2,567	18,255	16,992	7.4
Commercial	5,508	5,368	4,952	4,786	4,359	5,214	33,251	32,370	2.7
Health care	2,297	2,340	2,303	2,319	2,084	1,964	15,071	13,768	9.5
Educational	1,162	1,114	1,135	1,121	979	1,305	7,334	7,752	-5.4
Religious	719	691	683	660	616	755	4,532	4,815	-5.9
Amusement and recreation	768	761	766	707	641	660	4,859	4,362	11.4
Transportation	591	576	575	553	504	580	3,738	3,691	1.3
Communication	1,083	1,096	950	1,054	1,034	1,149	6,869	7,013	-2.1
Power	2,017	2,056	2,063	2,271	2,367	1,912	15,499	16,117	-3.8
Manufacturing	1,204	1,140	1,200	1,105	1,111	1,202	7,856	8,064	-2.6
Total Public Construction ²	22,577	22,255	19,804	18,421	16,415	21,619	128,517	123,005	4.5
Residential	698	676	633	571	524	569	4,052	3,731	8.6
Nonresidential	21,879	21,579	19,171	17,850	15,891	21,050	124,465	119,274	4.4
Office	1,016	1,046	1,012	998	981	987	6,759	6,289	7.5
Commercial	449	412	396	398	298	415	2,575	2,460	4.7
Health care	575	614	553	588	538	523	3,865	3,546	9.0
Educational	6,302	6,067	5,086	4,866	4,534	6,182	35,200	34,240	2.8
Public safety	705	700	677	669	619	779	4,588	4,925	-6.8
Amusement and recreation	993	1,024	1,004	977	890	1,034	6,586	7,183	-8.3
Transportation	1,719	1,623	1,555	1,607	1,463	1,651	10,460	10,379	0.8
Power	634	598	517	502	487	435	3,624	2,549	42.2
Highway and street	6,869	6,928	5,922	4,814	3,821	6,525	34,376	31,809	8.1
Sewage and waste disposal	1,294	1,297	1,257	1,151	1,051	1,183	7,950	7,352	8.1
Water supply	918	879	815	828	779	848	5,676	5,651	0.4
Conservation and development	313	289	272	326	297	342	2,039	2,060	-1.0

^P Preliminary ^r Revised

¹ 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.

² Includes the following categories of public construction not shown separately: lodging, religious, communication, and manufacturing.

Table 3. Coefficients of Variation and Standard Errors by Type of Construction
(Percent)

Type of Construction	Coefficient of variation		Standard error			
	Monthly estimate	Year-to-date estimate	Year-to-date change	Month-to-month change	Month-to-month change from prev. year	
Total Construction	1.1	0.8	1.0	1.1	1.5	
Residential	4.9	5.5	6.0	3.5	11.1	
Nonresidential	1.0	0.8	1.1	1.1	1.5	
Lodging	4.0	3.6	4.2	1.9	6.2	
Office	3.5	3.4	3.4	3.0	4.4	
Commercial	3.0	2.2	2.7	2.0	3.8	
Health care	3.0	2.8	4.1	1.7	4.3	
Educational	2.3	1.9	2.6	1.9	3.4	
Religious	4.6	3.8	4.3	2.9	5.3	
Public safety	3.5	2.9	3.6	2.7	4.3	
Amusement and recreation	3.9	3.3	3.9	3.1	4.9	
Transportation	2.0	0.0	0.0	0.0	0.0	
Communication	NA	NA	NA	NA	NA	
Power	1.2	0.8	1.0	1.8	2.2	
Highway and street	3.6	2.4	3.6	4.3	5.0	
Sewage and waste disposal	3.8	2.8	4.0	3.3	7.0	
Water supply	4.2	2.7	4.1	4.1	6.6	
Conservation and development	4.8	4.4	5.3	5.9	6.6	
Manufacturing	3.6	3.4	3.5	1.7	3.7	
Total Private Construction	1.4	1.3	1.4	1.1	1.9	
Residential	5.0	1.3	1.4	1.1	1.9	
Nonresidential	1.6	1.3	1.4	1.1	1.9	
Lodging	4.1	3.7	4.3	1.9	6.4	
Office	4.7	4.3	4.2	3.9	5.3	
Commercial	3.1	2.3	2.7	2.1	4.0	
Health care	3.6	3.3	4.9	2.1	5.2	
Educational	4.1	3.5	3.9	2.6	4.6	
Religious	4.6	3.8	4.3	2.9	5.3	
Amusement and recreation	6.0	4.9	6.6	4.7	8.2	
Transportation	10.1	9.2	10.4	4.8	14.6	
Communication	NA	NA	NA	NA	NA	
Power	1.4	1.3	1.4	1.1	2.1	
Manufacturing	3.7	3.5	3.5	1.7	3.7	
Total Public Construction	1.4	1.0	1.5	1.6	2.2	
Residential	4.9	5.5	6.0	3.5	11.1	
Nonresidential	1.5	1.0	1.5	1.7	2.2	
Office	3.3	2.8	3.7	2.5	5.4	
Commercial	9.8	6.7	10.2	4.5	10.9	
Health care	3.8	3.3	5.1	2.3	5.6	
Educational	2.7	2.2	3.0	2.2	3.9	
Public safety	3.5	2.9	3.5	2.8	4.3	
Amusement and recreation	5.2	4.3	4.7	4.1	6.1	
Transportation	3.1	3.0	3.2	3.5	5.3	
Power	5.2	3.7	5.0	6.5	8.2	
Highway and street	3.6	2.5	3.6	4.3	5.1	
Sewage and waste disposal	3.8	2.8	4.0	3.3	7.1	
Water supply	4.3	2.7	4.2	4.2	6.8	
Conservation and development	5.0	4.7	5.5	6.9	6.9	

NA Not applicable