

ECONOMICS AND STATISTICS ADMINISTRATION

**U.S. CENSUS BUREAU** 

U.S. CENSUS BUREAU For Data - (301) 763-4673 For Questions - Michael Davis, Joe Huesman or Linnet Holland (301) 763-1605 FOR RELEASE 10:00 AM EST, MONDAY, JANUARY 3, 2005 CB05-01

## **NOVEMBER 2004 CONSTRUCTION AT \$1,013.3 BILLION ANNUAL RATE**

Construction put in place spending during November 2004 was estimated at a seasonally adjusted annual rate of \$1,013.3 billion, 0.4 (±1.4) percent below the revised October estimate of \$1,016.9 billion, according to the U.S. Commerce Department's Census Bureau. The November figure is 6.9 (±2.1) percent above the November 2003 estimate of \$947.7 billion.

During the first 11 months of this year, construction spending amounted to \$920.3 billion, 9.0 (±1.4) percent above the \$844.3 billion for the same period in 2003.

## PRIVATE CONSTRUCTION

Spending on private construction was at a seasonally adjusted annual rate of \$777.1 billion,  $0.6 \pm 0.6$  percent below the revised October estimate of \$781.7 billion. Residential construction was at a seasonally adjusted annual rate of \$554.7 billion in November,  $0.4 \pm 1.3$  percent below the revised October estimate of \$556.7 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$222.3 billion in November,  $1.2 \pm 1.6$  percent below the revised October estimate of \$225.0 billion.

## **PUBLIC CONSTRUCTION**

In November, the estimated seasonally adjusted annual rate of public construction spending was \$236.3 billion, 0.4 (±2.2) percent above the revised October estimate of \$235.2 billion. Educational construction was at a seasonally adjusted annual rate of \$65.5 billion, 2.2 (±4.5) percent above the revised October estimate of \$64.1 billion. Highway construction was at a seasonally adjusted annual rate of \$65.0 billion, 1.1 (±4.6) percent below the revised October estimate of \$65.7 billion.

December 2004 data will be released on February 1, 2005 at 10:00 AM EST.

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

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.)

							Percent change Nov 2004 from -	
Type of Construction	Nov 2004 <sup>p</sup>	Oct 2004 <sup>r</sup>	Sep 2004 <sup>r</sup>	Aug 2004	Jul 2004	Nov 2003	Oct 2004	Nov 2003
Total Construction	1,013,311	1,016,898	1,013,605	1,007,948	1,005,129	947,705	-0.4	6.9
Residential	562,580	564,515	565,332	560,837	551,309	510,874	-0.3	10.1
Nonresidential	450,730	452,383	448,273	447,112	453,821	436,830	-0.4	3.2
Lodging	13,454	13,530	13,234	13,098	13,002	10,543	-0.6	27.6
Office	42,596	43,242	43,244	43,702	44,701	43,192	-1.5	-1.4
Commercial	67,156	66,872	67,374	67,773	67,950	61,482	0.4	9.2
Health care	33,268	33,249	33,267	33,367	33,787	30,239	0.1	10.0
Educational	79,161	77,450	76,876	75,483	76,348	72,617	2.2	9.0
Religious	7,995	8,033	8,209	8,052	8,553	8,123	-0.5	-1.6
Public safety	7,900	7,780	8,680	9,115	8,806	9,083	1.5	-13.0
Amusement and recreation	19,360	19,272	19,641	19,686	20,240	20,166	0.5	-4.0
Transportation	26,494	26,091	25,195	25,294	26,818	24,829	1.5	6.7
Communication	12,743	14,402	13,431	13,235	12,693	13,213	-11.5	-3.6
Power	31,257	31,855	31,564	31,051	30,214	35,405	-1.9	-11.7
Highway and street	65,375	66,146	62,719	62,936	65,966	65,520	-1.2	-0.2
Sewage and waste disposal	14,890	14,839	14,654	14,708	14,880	13,912	0.3	7.0
Water supply	10,032	9,884	10,430	10,637	10,991	10,216	1.5	-1.8
Conservation and development	4,438	4,919	5,013	4,345	4,380	3,845	-9.8	15.4
Manufacturing	14,611	14,822	14,743	14,630	14,492	14,446	-1.4	1.1
Total Private Construction <sup>1</sup>	777,057	781,670	782,172	776,960	767,132	721,137	-0.6	7.8
Residential	554,719	556,710	557,286	552,655	543,327	504,246	-0.4	10.0
Nonresidential	222,337	224,960	224,886	224,305	223,805	216,891	-1.2	2.5
Lodging	13,018	13,291	12,990	12,719	12,263	9,431	-2.1	38.0
Office	30,535	31,216	31,583	32,261	32,795	32,074	-2.2	-4.8
Commercial	62,852	62,774	63,312	63,633	63,531	57,002	0.1	10.3
Health care	26,100	25,889	26,334	26,304	27,039	23,945	0.8	9.0
Educational	13,689	13,359	13,103	12,763	12,694	12,693	2.5	7.8
Religious	7,977	8,027	8,204	8,050	8,550	8,120	-0.6	-1.8
Amusement and recreation	8,951	9,220	8,854	8,958	8,836	8,681	-2.9	3.1
Transportation	6,382	6,425	6,477	6,428	6,488	6,133	-0.7	4.1
Communication	12,577	14,257	13,261	13,162	12,599	13,052	-11.8	-3.6
Power	24,423	24,424	24,426	23,851	23,259	29,628	0.0	-17.6
Manufacturing	14,449	14,678	14,519	14,443	14,275	14,369	-1.6	0.6
Total Public Construction <sup>2</sup>	236,254	235,228	231,432	230,988	237,997	226,567	0.4	4.3
Residential	7,861	7,805	8,046	8,182	7,982	6,628	0.7	18.6
Nonresidential	228,393	227,423	223,387	222,807	230,016	219,939	0.4	3.8
Office	12,061	12,025	11,661	11,441	11,906	11,119	0.3	8.5
Commercial	4,305	4,097	4,062	4,140	4,419	4,481	5.1	-3.9
Health care	7,168	7,360	6,933	7,063	6,748	6,294	-2.6	13.9
Educational	65,472	64,091	63,774	62,720	63,654	59,924	2.2	9.3
Public safety	7,628	7,485	8,373	8,777	8,504	8,824	1.9	-13.6
Amusement and recreation	10,409	10,052	10,787	10,728	11,404	11,485	3.6	-9.4
Transportation	20,112	19,665	18,718	18,867	20,331	18,696	2.3	7.6
Power	6,834	7,431	7,138	7,200	6,956	5,777	-8.0	18.3
Highway and street	64,966	65,717	62,294	62,544	65,620	65,269	-1.1	-0.5
Sewage and waste disposal	14,685	14,663	14,445	14,370	14,560	13,483	0.2	8.9
Water supply	9,608	9,470	9,988	10,143	10,526	9,913	1.5	-3.1
Conservation and development	4,363	4,832	4,573	4,172	4,336	3,322	-9.7	31.3

<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.

 $<sup>^{\</sup>rm 2}$  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.)

							Year-to-date		
Type of Construction	Nov 2004 <sup>p</sup>	Oct 2004 <sup>r</sup>	Sep 2004 <sup>r</sup>	Aug 2004	Jul 2004	Nov 2003	Nov 2004	Nov 2003	Percent change
Total Construction	86,920	92,314	94,810	95,075	91,977	80,650	920,316	844,296	9.0
Residential	48,798	51,895	52,683	53,150	50,826	44,107	508,460	445,015	14.3
Nonresidential	38,122	40,420	42,127	41,925	41,151	36,543	411,855	399,281	3.1
Lodging	1,121	1,128	1,103	1,092	1,084	879	11,405	10,303	10.7
Office	3,613	3,718	3,876	3,764	3,812	3,649	40,142	38,088	5.4
Commercial	5,710	5,988	6,246	6,174	6,103	5,213	60,118	57,481	4.6
Health care	2,819	2,810	2,818	2,791	2,797	2,555	30,057	27,431	9.6
Educational	6,302	6,615	7,190	7,653	7,444	5,730	70,345	68,705	2.4
Religious	695	724	728	739	737	715	7,455	7,869	-5.3
Public safety	693	686	796	798	720	802	7,742	8,319	-6.9
Amusement and recreation	1,655	1,704	1,729	1,682	1,726	1,673	18,139	18,448	-1.7
Transportation Communication	2,316 1,151	2,399 1,256	2,393 1,155	2,345 1,151	2,371 1,090	2,167 1,067	23,689 11,656	23,368 11,369	1.4 2.5
Power	2,659	2,751	2,782	2,620	2,546	3,013	29,827	30,105	-0.9
Highway and street	5,576	6,658	7,188	7,138	6,848	5,437	61,156	58,699	4.2
Sewage and waste disposal	1,304	1,369	1,385	1,381	1,317	1,200	13,579	12,622	7.6
Water supply	869	915	956	959	953	886	9,548	9,634	-0.9
Conservation and development	369	402	509	392	370	315	3,920	3,657	7.2
Manufacturing	1,270	1,298	1,273	1,248	1,234	1,244	13,077	13,183	-0.8
Total Private Construction <sup>1</sup>	67,130	70,889	71,534	72,046	69,614	61,895	704,518	635,060	10.9
Residential	48,137	51,224	51,890	52,433	50,152	43,548	501,602	438,825	14.3
Nonresidential	18,993	19,665	19,644	19,614	19,462	18,347	202,916	196,235	3.4
Lodging	1,085	1,108	1,083	1,060	1,022	786	10,724	9,172	16.9
Office	2,639	2,761	2,760	2,768	2,827	2,760	29,397	27,862	5.5
Commercial	5,346	5,663	5,822	5,794	5,717	4,851	56,119	53,241	5.4
Health care	2,202	2,203	2,189	2,193	2,253	2,019	23,786	21,685	9.7
Educational	1,107	1,115	1,135	1,204	1,181	1,015	11,920	12,359	-3.6
Religious	694	724	728	738	737	715	7,451	7,860	-5.2
Amusement and recreation	759	792	749	755	755	712	7,879	7,204	9.4
Transportation	565	583	592	594	585	539	6,074	6,004	1.2
Communication	1,137	1,244	1,141	1,145	1,082	1,053	11,535	11,276	2.3
Power	2,080	2,065	2,023	1,965	1,956	2,504	23,553	25,274	-6.8
Manufacturing	1,257	1,286	1,254	1,232	1,216	1,238	12,901	13,085	-1.4
Total Public Construction <sup>2</sup>	19,790	21,425	23,276	23,029	22,363	18,756	215,798	209,236	3.1
Residential	661	671	793	718	674	559	6,858	6,190	10.8
Nonresidential	19,129	20,755	22,483	22,311	21,689	18,197	208,939	203,046	2.9
Office	974	957	1,116	996	985	890	10,745	10,227	5.1
Commercial	364	325	424	380	386	362	3,999	4,240	-5.7
Health care	617	607	630	598	544	535	6,272	5,746	9.2
Educational	5,195	5,500	6,054	6,449	6,263	4,715	58,425	56,346	3.7
Public safety	670 896	661 912	771 980	770 927	695 971	781 960	7,470	8,148	-8.3 -8.8
Amusement and recreation Transportation	1,751	1,816	1,802	927 1,751	1,786	1,628	10,259 17,616	11,244 17,365	-8.8 1.4
Power	579	686	759	655	590	508	6,274	4,831	29.9
Highway and street	5,537	6,623	7,144	7,102	6,815	5,412	60,742	58,527	3.8
Sewage and waste disposal	1,286	1,353	1,367	1,348	1,288	1,162	13,279	12,354	7.5
Water supply	832	876	911	905	911	860	9,171	9,265	-1.0
Conservation and development	363	395	473	378	367	272	3,705	3,425	8.2

<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.

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 from prev. year		
Total Construction	1.1	0.7	0.9	0.9	1.3		
Residential	6.4	6.3	6.8	3.7	6.5		
Nonresidential	1.0	0.7	0.9	0.9	1.3		
Lodging	4.1	3.1	4.1	2.5	6.1		
Office	3.6	2.8	3.0	2.3	3.5		
Commercial	3.0	2.0	2.8	1.8	3.0		
Health care	2.9	2.2	3.3	1.5	4.1		
Educational	2.4	1.6	2.1	2.4	2.7		
Religious	4.6	3.3	3.7	2.7	4.5		
Public safety	3.7	2.3	2.9	2.9	5.8		
Amusement and recreation	4.1	2.8	3.3	2.5	5.0		
Transportation	1.9	2.5	2.8	3.1	6.7		
Communication	NA	NA	NA	NA	NA		
Power	1.4	0.9	0.6	1.5	1.3		
Highway and street	3.7	2.0	2.5	2.9	4.7		
Sewage and waste disposal	3.8	2.3	3.4	3.1	5.7		
Water supply	4.3	2.3	3.4	5.2	6.1		
Conservation and development	5.3	5.0	5.8	8.1	8.0		
Manufacturing	3.7	3.0	2.9	1.8	3.3		
<b>Total Private Construction</b>	1.5	1.1	1.3	1.0	1.6		
Residential	5.0	1.1	1.3	0.8	1.4		
Nonresidential	1.5	1.1	1.3	1.0	1.6		
Lodging	4.2	3.1	4.2	2.5	6.3		
Office	4.7	3.6	3.7	2.8	4.0		
Commercial	3.1	2.1	2.9	1.9	3.1		
Health care	3.5	2.5	4.0	1.7	4.8		
Educational	4.2	3.3	3.6	2.3	5.0		
Religious	4.6	3.3	3.7	2.7	4.5		
Amusement and recreation	5.8	4.1	5.6	3.3	7.2		
Transportation	9.7	5.9	7.6	11.6	16.5		
Communication	NA	NA	NA	NA	NA		
Power	1.5	0.6	0.5	1.4	0.5		
Manufacturing	3.7	3.0	2.9	1.9	3.3		
<b>Total Public Construction</b>	1.4	0.8	1.1	1.4	1.9		
Residential	6.4	6.3	6.8	3.7	6.5		
Nonresidential	1.5	0.8	1.2	1.4	1.9		
Office	3.2	2.6	3.1		4.9		
Commercial	8.6	5.6	8.3	3.2	7.6		
Health care	3.7	2.9	4.1	3.2	4.9		
Educational	2.7	1.8	2.4	2.8	3.2		
Public safety	3.7	2.4	2.8	3.0	6.0		
Amusement and recreation	5.7	3.8	3.9		6.7		
Transportation	3.5	2.6	2.9	3.2	7.2		
Power	4.8	3.3	3.8		7.3		
Highway and street	3.7	2.0	2.5		4.7		
Sewage and waste disposal	3.8	2.3	3.4	3.1	5.9		
Water supply	4.3	2.3	3.4		6.2		
Conservation and development	5.6	5.2	6.2	8.2	8.7		

NA Not applicable