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## **JANUARY 2004 CONSTRUCTION AT \$931.2 BILLION ANNUAL RATE**

Construction put in place spending during January 2004 was estimated at a seasonally adjusted annual rate of \$931.2 billion, 0.3 ( $\pm 1.3$ ) percent below the revised December estimate of \$934.4 billion, according to the U.S. Commerce Department's Census Bureau. The January figure is 5.4 ( $\pm 1.9$ ) percent above the January 2003 estimate of \$883.2 billion.

### PRIVATE CONSTRUCTION

Spending on private construction was at a rate of \$715.8 billion, 0.5 ( $\pm 1.4$ ) percent below the revised December estimate of \$719.3 billion. Residential construction was at a seasonally adjusted annual rate of \$501.4 billion in January, nearly the same ( $\pm 1.4$  percent) as the revised December estimate of \$501.4 billion.

### PUBLIC CONSTRUCTION

In January, the estimated seasonally adjusted annual rate of public construction spending was \$215.4 billion, 0.2 ( $\pm 1.9$ ) percent above the revised December estimate of \$215.1 billion. Educational construction was at a seasonally adjusted annual rate of \$56.5 billion, 2.2 ( $\pm 2.7$ ) percent below the revised December estimate of \$57.8 billion. Highway construction was at a seasonally adjusted annual rate of \$65.7 billion, 1.7 ( $\pm 5.4$ ) percent above the revised December estimate of \$64.6 billion.

February 2004 data will be released on April 1, 2004 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 ( $\pm 3.1$ ) 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, 0.7 percent; and public construction, 1.6 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	Jan 2004 <sup>P</sup>	Dec 2003 <sup>r</sup>	Nov 2003 <sup>r</sup>	Oct 2003	Sep 2003	Jan 2003	Percent change Jan 2004 from -	
							Dec 2003	Jan 2003
<b>Total Construction</b>	<b>931,178</b>	<b>934,411</b>	<b>928,657</b>	<b>925,485</b>	<b>913,824</b>	<b>883,232</b>	<b>-0.3</b>	<b>5.4</b>
Residential	507,146	507,068	502,732	493,377	481,735	455,960	0.0	11.2
Lodging	9,511	9,696	10,339	11,036	10,723	10,134	-1.9	-6.1
Office	39,223	40,773	41,785	42,083	40,355	40,881	-3.8	-4.1
Commercial	60,117	61,643	59,961	61,456	62,636	60,666	-2.5	-0.9
Health care	28,362	29,251	29,358	29,525	29,518	28,613	-3.0	-0.9
Educational	69,492	71,220	68,940	70,736	71,278	71,450	-2.4	-2.7
Religious	7,737	7,987	8,061	8,528	8,569	8,435	-3.1	-8.3
Public safety	8,268	8,413	8,392	9,023	8,665	8,214	-1.7	0.7
Amusement and recreation	18,361	19,215	19,010	19,614	18,751	18,922	-4.4	-3.0
Transportation	22,860	22,827	23,454	24,473	24,152	24,331	0.1	-6.0
Communication	15,994	14,727	16,245	15,218	14,961	15,309	8.6	4.5
Power	37,918	37,422	35,109	35,880	37,332	36,864	1.3	2.9
Highway and street	66,003	64,770	65,271	64,377	64,900	63,538	1.9	3.9
Sewage and waste disposal	13,270	13,166	12,679	13,162	12,943	12,033	0.8	10.3
Water supply	9,108	9,032	9,454	9,187	9,492	9,731	0.8	-6.4
Conservation and development	3,880	3,425	3,705	3,849	3,695	4,039	13.3	-3.9
Manufacturing	13,928	13,778	14,162	13,961	14,119	14,112	1.1	-1.3
<b>Total Private Construction <sup>1</sup></b>	<b>715,778</b>	<b>719,336</b>	<b>712,644</b>	<b>705,215</b>	<b>692,462</b>	<b>667,636</b>	<b>-0.5</b>	<b>7.2</b>
Residential	501,444	501,352	496,988	487,541	475,716	450,039	0.0	11.4
Lodging	8,618	8,986	9,323	9,836	9,414	9,233	-4.1	-6.7
Office	29,286	30,885	31,692	31,587	29,812	30,839	-5.2	-5.0
Commercial	55,704	57,206	55,502	56,322	57,041	56,767	-2.6	-1.9
Health care	22,435	23,233	23,524	23,656	23,374	23,127	-3.4	-3.0
Educational	12,965	13,419	12,496	12,940	13,544	12,839	-3.4	1.0
Religious	7,736	7,983	8,056	8,526	8,565	8,431	-3.1	-8.2
Amusement and recreation	7,501	8,035	7,776	7,981	7,278	6,216	-6.6	20.7
Transportation	6,225	6,229	6,122	6,319	6,493	7,219	-0.1	-13.8
Communication	15,821	14,630	16,069	15,145	14,854	15,277	8.1	3.6
Power	32,827	32,238	29,526	30,082	30,918	32,615	1.8	0.7
Manufacturing	13,778	13,700	14,080	13,906	13,960	14,014	0.6	-1.7
<b>Total Public Construction <sup>2</sup></b>	<b>215,399</b>	<b>215,076</b>	<b>216,014</b>	<b>220,270</b>	<b>221,362</b>	<b>215,595</b>	<b>0.2</b>	<b>-0.1</b>
Residential	5,702	5,716	5,744	5,837	6,019	5,922	-0.2	-3.7
Office	9,937	9,888	10,093	10,496	10,543	10,043	0.5	-1.1
Commercial	4,414	4,437	4,460	5,134	5,595	3,899	-0.5	13.2
Health care	5,927	6,018	5,834	5,869	6,145	5,486	-1.5	8.0
Educational	56,526	57,801	56,444	57,796	57,734	58,611	-2.2	-3.6
Public safety	8,049	8,155	8,130	8,715	8,350	8,116	-1.3	-0.8
Amusement and recreation	10,860	11,181	11,234	11,633	11,472	12,706	-2.9	-14.5
Transportation	16,635	16,598	17,333	18,155	17,659	17,113	0.2	-2.8
Power	5,090	5,184	5,583	5,798	6,414	4,249	-1.8	19.8
Highway and street	65,748	64,622	65,157	64,195	64,643	63,451	1.7	3.6
Sewage and waste disposal	12,737	12,765	12,204	12,780	12,491	11,829	-0.2	7.7
Water supply	8,858	8,708	9,130	8,738	9,080	9,123	1.7	-2.9
Conservation and development	3,699	3,114	3,388	3,792	3,639	4,014	18.8	-7.8

<sup>P</sup> Preliminary    <sup>r</sup> Revised

<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 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	Jan 2004 <sup>p</sup>	Dec 2003 <sup>r</sup>	Nov 2003 <sup>r</sup>	Oct 2003	Sep 2003	Jan 2003	Year-to-date		
							Jan 2004	Jan 2003	Percent change
<b>Total Construction</b>	<b>65,007</b>	<b>70,848</b>	<b>79,825</b>	<b>84,470</b>	<b>85,193</b>	<b>61,311</b>	<b>65,007</b>	<b>61,311</b>	<b>6.0</b>
Residential	35,581	37,598	44,152	45,117	44,227	31,527	35,581	31,527	12.9
Lodging	793	808	862	920	894	845	793	845	-6.2
Office	3,005	3,305	3,573	3,663	3,583	3,169	3,005	3,169	-5.2
Commercial	4,371	4,839	5,100	5,559	5,747	4,408	4,371	4,408	-0.8
Health care	2,245	2,418	2,477	2,543	2,551	2,251	2,245	2,251	-0.3
Educational	4,977	5,274	5,474	6,087	6,666	5,105	4,977	5,105	-2.5
Religious	578	630	708	774	758	637	578	637	-9.3
Public safety	626	697	741	819	797	628	626	628	-0.3
Amusement and recreation	1,336	1,501	1,588	1,750	1,684	1,389	1,336	1,389	-3.8
Transportation	1,563	1,771	2,031	2,252	2,266	1,679	1,563	1,679	-6.9
Communication	1,098	1,437	1,355	1,429	1,306	1,070	1,098	1,070	2.6
Power	2,659	3,175	2,867	3,110	3,334	2,509	2,659	2,509	6.0
Highway and street	3,282	4,248	5,449	6,809	7,616	3,204	3,282	3,204	2.4
Sewage and waste disposal	937	983	1,097	1,223	1,232	852	937	852	10.0
Water supply	647	724	823	856	873	692	647	692	-6.5
Conservation and development	285	292	309	320	428	300	285	300	-5.0
Manufacturing	1,023	1,149	1,219	1,240	1,234	1,047	1,023	1,047	-2.3
<b>Total Private Construction <sup>1</sup></b>	<b>50,957</b>	<b>55,020</b>	<b>61,864</b>	<b>63,809</b>	<b>62,622</b>	<b>47,064</b>	<b>50,957</b>	<b>47,064</b>	<b>8.3</b>
Residential	35,156	37,116	43,670	44,601	43,650	31,068	35,156	31,068	13.2
Lodging	718	749	777	820	785	769	718	769	-6.6
Office	2,233	2,516	2,742	2,772	2,596	2,368	2,233	2,368	-5.7
Commercial	4,054	4,491	4,730	5,112	5,171	4,116	4,054	4,116	-1.5
Health care	1,777	1,917	1,981	2,052	1,974	1,821	1,777	1,821	-2.4
Educational	946	1,020	1,002	1,082	1,155	941	946	941	0.5
Religious	578	630	708	774	758	637	578	637	-9.3
Amusement and recreation	578	648	648	695	616	475	578	475	21.7
Transportation	410	495	537	581	593	486	410	486	-15.6
Communication	1,083	1,429	1,341	1,424	1,295	1,067	1,083	1,067	1.5
Power	2,303	2,745	2,384	2,536	2,668	2,206	2,303	2,206	4.4
Manufacturing	1,010	1,143	1,212	1,235	1,221	1,039	1,010	1,039	-2.8
<b>Total Public Construction <sup>2</sup></b>	<b>14,050</b>	<b>15,829</b>	<b>17,961</b>	<b>20,661</b>	<b>22,570</b>	<b>14,246</b>	<b>14,050</b>	<b>14,246</b>	<b>-1.4</b>
Residential	425	481	482	516	577	459	425	459	-7.4
Office	772	789	830	891	987	801	772	801	-3.6
Commercial	317	348	370	447	576	292	317	292	8.6
Health care	469	501	496	492	576	429	469	429	9.3
Educational	4,031	4,255	4,472	5,005	5,511	4,164	4,031	4,164	-3.2
Public safety	608	675	719	794	770	620	608	620	-1.9
Amusement and recreation	758	853	940	1,054	1,068	914	758	914	-17.1
Transportation	1,153	1,277	1,494	1,671	1,673	1,194	1,153	1,194	-3.4
Power	356	429	483	574	666	303	356	303	17.5
Highway and street	3,259	4,236	5,437	6,794	7,590	3,198	3,259	3,198	1.9
Sewage and waste disposal	899	950	1,055	1,186	1,189	838	899	838	7.3
Water supply	631	695	794	813	832	652	631	652	-3.2
Conservation and development	270	266	282	315	423	298	270	298	-9.4

<sup>p</sup> Preliminary    <sup>r</sup> Revised

<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	Month-to-month change from prev. year
<b>Total Construction</b>	<b>1.0</b>	<b>1.0</b>	<b>1.2</b>	<b>0.8</b>	<b>1.2</b>
Residential	3.7	3.4	5.1	2.3	5.1
Lodging	3.7	3.6	4.0	1.8	4.0
Office	3.2	4.5	3.6	2.2	3.6
Commercial	2.5	2.8	2.6	2.1	2.6
Health care	3.0	2.9	4.0	1.5	4.0
Educational	2.3	2.4	3.2	1.5	3.2
Religious	4.3	4.2	5.0	2.5	5.0
Public safety	3.4	3.5	4.4	5.6	4.4
Amusement and recreation	3.6	3.9	4.2	2.2	4.2
Transportation	2.7	2.7	3.1	2.8	3.1
Communication	NA	NA	NA	NA	NA
Power	1.4	1.0	1.2	0.8	1.2
Highway and street	3.5	3.6	5.1	3.4	5.1
Sewage and waste disposal	4.0	4.1	5.9	3.6	5.9
Water supply	4.2	4.1	5.6	3.5	5.6
Conservation and development	4.1	3.2	4.4	3.7	4.4
Manufacturing	4.0	3.7	4.1	2.8	4.1
<b>Total Private Construction</b>	<b>1.3</b>	<b>1.5</b>	<b>1.4</b>	<b>0.9</b>	<b>1.4</b>
Residential	5.0	1.5	1.4	0.9	1.4
Lodging	3.8	3.7	4.1	1.7	4.1
Office	4.1	5.9	4.4	2.7	4.4
Commercial	2.6	2.9	2.6	2.2	2.6
Health care	3.5	3.5	4.7	1.7	4.7
Educational	4.0	4.4	5.0	2.6	5.0
Religious	4.3	4.2	5.0	2.5	5.0
Amusement and recreation	5.3	5.6	7.4	2.2	7.4
Transportation	9.8	9.3	7.8	3.9	7.8
Communication	NA	NA	NA	NA	NA
Power	1.5	1.5	1.4	0.9	1.4
Manufacturing	4.0	3.7	4.2	2.8	4.2
<b>Total Public Construction</b>	<b>1.4</b>	<b>1.4</b>	<b>1.9</b>	<b>1.2</b>	<b>1.9</b>
Residential	3.7	3.4	5.1	2.3	5.1
Office	3.6	3.3	4.6	2.4	4.6
Commercial	9.9	7.4	9.5	3.5	9.5
Health care	4.1	3.2	5.1	2.7	5.1
Educational	2.6	2.7	3.7	1.7	3.7
Public safety	3.4	3.5	4.4	5.8	4.4
Amusement and recreation	4.8	5.3	5.0	3.7	5.0
Transportation	2.8	2.8	3.3	3.1	3.3
Power	10.0	5.6	7.7	2.9	7.7
Highway and street	3.5	3.6	5.1	3.4	5.1
Sewage and waste disposal	4.0	4.2	5.9	3.6	5.9
Water supply	4.3	4.1	5.8	3.6	5.8
Conservation and development	4.1	3.4	4.7	4.2	4.7

NA Not applicable

**Table 4. Annual Value of Construction Put in Place in the United States**

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

Type of Construction	2003 <sup>r</sup>	2002	Percent change	Coefficient of Variation
<b>Total Construction</b>	<b>898,696</b>	<b>860,923</b>	<b>4.4</b>	<b>0.6</b>
Residential	471,850	427,548	10.4	2.3
Lodging	10,723	10,823	-0.9	3.0
Office	40,272	44,920	-10.3	2.1
Commercial	61,054	62,111	-1.7	1.5
Health care	29,575	27,537	7.4	2.5
Educational	71,186	70,493	1.0	1.4
Religious	8,382	8,223	1.9	2.9
Public safety	8,507	8,759	-2.9	2.5
Amusement and recreation	19,064	18,909	0.8	2.6
Transportation	24,219	24,821	-2.4	1.9
Communication	15,490	18,141	-14.6	NA
Power	36,303	36,065	0.7	0.7
Highway and street	62,052	60,641	2.3	1.8
Sewage and waste disposal	12,676	12,002	5.6	2.5
Water supply	9,523	9,273	2.7	2.3
Conservation and development	3,722	3,781	-1.6	2.9
Manufacturing	14,097	16,875	-16.5	2.4
<b>Total Private Construction<sup>1</sup></b>	<b>683,086</b>	<b>650,495</b>	<b>5.0</b>	<b>0.9</b>
Residential	465,884	421,521	10.5	1.1
Lodging	9,704	10,292	-5.7	3.1
Office	29,995	35,149	-14.7	2.6
Commercial	56,432	58,231	-3.1	1.5
Health care	23,701	22,157	7.0	3.0
Educational	13,241	13,036	1.6	2.7
Religious	8,350	8,219	1.6	2.9
Public safety	198	246	-19.3	6.7
Amusement and recreation	7,174	7,402	-3.1	4.4
Transportation	6,656	7,016	-5.1	7.2
Communication	15,374	18,059	-14.9	NA
Power	31,365	31,754	-1.2	0.9
Sewage and waste disposal	331	255	30.1	15.4
Water supply	444	416	6.6	17.3
Manufacturing	14,003	16,606	-15.7	2.4
<b>Total Public Construction<sup>2</sup></b>	<b>215,610</b>	<b>210,428</b>	<b>2.5</b>	<b>0.8</b>
Residential	5,966	6,027	-1.0	2.3
Office	10,278	9,771	5.2	2.7
Commercial	4,622	3,880	19.1	7.5
Health care	5,874	5,380	9.2	3.0
Educational	57,945	57,457	0.8	1.6
Public safety	8,308	8,513	-2.4	2.5
Amusement and recreation	11,890	11,507	3.3	3.3
Transportation	17,563	17,805	-1.4	2.0
Power	4,939	4,311	14.6	3.5
Highway and street	61,900	60,531	2.3	1.8
Sewage and waste disposal	12,346	11,748	5.1	2.5
Water supply	9,078	8,857	2.5	2.3
Conservation and development	3,640	3,757	-3.1	2.8

<sup>r</sup> Revised

<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.