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OCTOBER 2016 CONSTRUCTION AT \$1,172.6 BILLION ANNUAL RATE

The U.S. Census Bureau of the Department of Commerce announced today that construction spending during October 2016 was estimated at a seasonally adjusted annual rate of \$1,172.6 billion, 0.5 percent ($\pm 1.5\%$)* above the revised September estimate of \$1,166.5 billion. The October figure is 3.4 percent ($\pm 1.8\%$) above the October 2015 estimate of \$1,134.4 billion.

During the first 10 months of this year, construction spending amounted to \$972.2 billion, 4.5 percent ($\pm 1.0\%$) above the \$930.7 billion for the same period in 2015.

PRIVATE CONSTRUCTION

Spending on private construction was at a seasonally adjusted annual rate of \$885.9 billion, 0.2 percent ($\pm 0.8\%$)* below the revised September estimate of \$887.4 billion. Residential construction was at a seasonally adjusted annual rate of \$466.2 billion in October, 1.6 percent ($\pm 1.3\%$) above the revised September estimate of \$458.8 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$419.6 billion in October, 2.1 percent ($\pm 0.8\%$) below the revised September estimate of \$428.6 billion.

PUBLIC CONSTRUCTION

In October, the estimated seasonally adjusted annual rate of public construction spending was \$286.8 billion, 2.8 percent ($\pm 2.8\%$)* above the revised September estimate of \$279.1 billion. Educational construction was at a seasonally adjusted annual rate of \$72.2 billion, 4.1 percent ($\pm 3.0\%$) above the revised September estimate of \$69.4 billion. Highway construction was at a seasonally adjusted annual rate of \$91.5 billion, 1.9 percent ($\pm 6.7\%$)* above the revised September estimate of \$89.8 billion.

November 2016 data will be released on January 3, 2017 at 10:00 A.M. EST.

For more detailed data and methodologies, go to our website:

<http://www.census.gov/constructionspending>

To receive the latest updates on the Nation's key economic indicators, download the America's Economy app for Apple and Android smartphones and tablets.

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, 0.93 percent; private construction, 1.02 percent; and public construction, 1.35 percent.

* 90% 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	Oct 2016 ^P	Sep 2016 ^r	Aug 2016 ^r	Jul 2016	Jun 2016	Oct 2015	Percent change Oct 2016 from -	
							Sep 2016	Oct 2015
Total Construction	1,172,638	1,166,509	1,166,513	1,160,407	1,154,134	1,134,381	0.5	3.4
Residential	472,931	464,764	462,870	462,614	454,256	452,082	1.8	4.6
Nonresidential	699,708	701,745	703,643	697,793	699,878	682,298	-0.3	2.6
Lodging	27,435	28,061	28,089	27,544	27,674	22,697	-2.2	20.9
Office	70,745	71,893	72,177	70,325	68,737	56,682	-1.6	24.8
Commercial	74,071	74,279	74,753	72,674	71,547	69,358	-0.3	6.8
Health care	41,376	42,680	42,570	40,745	41,603	40,623	-3.1	1.9
Educational	92,423	90,310	88,470	86,453	89,936	81,756	2.3	13.0
Religious	3,286	3,677	3,911	3,791	3,896	3,844	-10.6	-14.5
Public safety	8,266	7,576	7,830	8,005	8,019	9,388	9.1	-12.0
Amusement and recreation	21,680	21,692	21,947	21,673	22,315	20,476	-0.1	5.9
Transportation	42,180	41,256	40,514	43,839	43,152	46,289	2.2	-8.9
Communication	19,365	18,656	19,037	19,023	18,857	22,092	3.8	-12.3
Power	92,376	96,058	97,109	97,983	100,600	91,098	-3.8	1.4
Highway and street	91,731	90,009	87,551	87,901	88,430	91,352	1.9	0.4
Sewage and waste disposal	21,202	20,538	21,489	20,894	21,463	24,135	3.2	-12.2
Water supply	11,878	11,779	11,660	11,341	12,319	13,322	0.8	-10.8
Conservation and development	7,811	7,312	7,313	7,061	7,895	8,368	6.8	-6.7
Manufacturing	73,883	75,970	79,223	78,543	73,436	80,819	-2.7	-8.6
Total Private Construction¹	885,850	887,410	888,423	884,852	867,941	845,719	-0.2	4.7
Residential	466,238	458,782	456,206	456,586	448,142	445,361	1.6	4.7
New single family	243,483	236,849	236,988	238,595	238,605	247,463	2.8	-1.6
New multi-family	63,696	61,942	61,059	59,698	60,449	57,185	2.8	11.4
Nonresidential	419,612	428,628	432,217	428,265	419,799	400,358	-2.1	4.8
Lodging	27,164	27,760	27,811	27,208	27,384	22,065	-2.1	23.1
Office	62,671	63,925	64,025	62,651	61,163	48,793	-2.0	28.4
Commercial	70,657	71,188	71,406	70,063	68,513	66,589	-0.7	6.1
Health care	32,563	33,680	33,566	32,443	33,228	31,866	-3.3	2.2
Educational	20,215	20,929	19,236	19,018	18,057	17,136	-3.4	18.0
Religious	3,286	3,677	3,911	3,791	3,896	3,834	-10.6	-14.3
Amusement and recreation	12,189	12,258	12,410	11,955	12,261	10,459	-0.6	16.5
Transportation	12,443	11,843	11,622	13,053	12,840	13,746	5.1	-9.5
Communication	19,262	18,578	18,875	18,910	18,712	21,881	3.7	-12.0
Power	84,986	88,769	90,021	90,229	89,844	82,289	-4.3	3.3
Manufacturing	73,365	75,187	78,434	77,978	72,806	80,016	-2.4	-8.3
Total Public Construction²	286,788	279,099	278,090	275,556	286,193	288,662	2.8	-0.6
Residential	6,693	5,982	6,664	6,028	6,114	6,721	11.9	-0.4
Nonresidential	280,096	273,116	271,427	269,528	280,079	281,941	2.6	-0.7
Office	8,074	7,968	8,152	7,674	7,574	7,889	1.3	2.3
Commercial	3,414	3,091	3,347	2,611	3,034	2,769	10.4	23.3
Health care	8,813	9,000	9,004	8,302	8,376	8,757	-2.1	0.6
Educational	72,208	69,381	69,234	67,435	71,879	64,621	4.1	11.7
Public safety	8,178	7,482	7,739	7,900	7,923	9,273	9.3	-11.8
Amusement and recreation	9,491	9,434	9,537	9,718	10,053	10,018	0.6	-5.3
Transportation	29,737	29,413	28,892	30,786	30,312	32,543	1.1	-8.6
Power	7,390	7,289	7,088	7,753	10,755	8,809	1.4	-16.1
Highway and street	91,548	89,829	87,360	87,704	88,086	90,948	1.9	0.7
Sewage and waste disposal	20,864	20,158	21,096	20,491	21,093	23,721	3.5	-12.0
Water supply	11,738	11,649	11,528	11,192	12,161	12,772	0.8	-8.1
Conservation and development	7,749	7,259	7,222	6,948	7,769	8,166	6.8	-5.1

^PPreliminary ^rRevised

¹Includes the following categories of private construction not shown separately: public safety, highway and street, sewage and waste disposal, water supply, and conservation and development.

²Includes 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	Oct 2016 ^p	Sep 2016 ^f	Aug 2016 ^f	Jul 2016	Jun 2016	Oct 2015	Year-to-date		
							Oct 2016	Oct 2015	Percent change
Total Construction	106,301	107,702	109,097	106,633	105,130	103,844	972,187	930,663	4.5
Residential	43,014	42,729	43,206	43,577	42,223	41,725	389,924	369,466	5.5
Nonresidential	63,287	64,973	65,891	63,057	62,906	62,119	582,263	561,197	3.8
Lodging	2,391	2,429	2,441	2,315	2,322	1,984	22,360	17,892	25.0
Office	6,250	6,545	6,367	6,070	5,943	5,037	55,998	45,459	23.2
Commercial	6,753	6,827	6,779	6,364	6,258	6,323	61,101	55,727	9.6
Health care	3,585	3,862	3,709	3,445	3,565	3,540	34,382	33,908	1.4
Educational	7,732	8,075	9,066	8,933	8,897	6,828	75,351	70,797	6.4
Religious	301	343	361	334	330	356	3,152	3,070	2.7
Public safety	705	729	691	665	696	788	6,664	7,297	-8.7
Amusement and recreation	1,937	1,949	1,954	1,900	1,930	1,856	18,020	16,621	8.4
Transportation	3,866	3,824	3,732	3,897	3,835	4,327	35,602	37,938	-6.2
Communication	1,704	1,659	1,696	1,555	1,627	1,968	15,653	16,501	-5.1
Power	8,202	8,168	8,143	8,091	8,475	8,125	79,307	76,176	4.1
Highway and street	9,712	10,157	10,382	9,462	9,059	9,739	76,733	76,658	0.1
Sewage and waste disposal	1,979	1,887	2,009	1,857	1,915	2,277	18,825	20,490	-8.1
Water supply	1,087	1,055	1,040	1,003	1,083	1,230	9,939	11,147	-10.8
Conservation and development	635	763	643	580	658	674	6,334	6,714	-5.7
Manufacturing	6,451	6,700	6,880	6,587	6,314	7,067	62,843	64,804	-3.0
Total Private Construction¹	79,641	80,035	80,435	79,535	77,637	76,770	731,171	685,932	6.6
Residential	42,425	42,175	42,617	43,043	41,667	41,129	384,598	363,990	5.7
New single family	22,202	22,111	22,170	22,039	21,268	22,581	202,440	192,654	5.1
New multi-family	5,510	5,296	5,425	4,976	5,270	4,959	50,561	42,918	17.8
Nonresidential	37,215	37,860	37,818	36,491	35,970	35,641	346,573	321,941	7.7
Lodging	2,368	2,404	2,418	2,287	2,298	1,932	22,063	17,405	26.8
Office	5,569	5,780	5,651	5,414	5,275	4,361	49,498	38,719	27.8
Commercial	6,474	6,518	6,472	6,154	5,982	6,084	58,372	53,566	9.0
Health care	2,862	3,022	2,936	2,750	2,847	2,816	27,223	26,791	1.6
Educational	1,670	1,742	1,786	1,756	1,717	1,415	15,837	14,258	11.1
Religious	301	343	361	334	330	355	3,152	3,062	2.9
Amusement and recreation	1,069	1,071	1,061	1,037	1,017	929	9,718	7,972	21.9
Transportation	1,183	1,083	1,056	1,167	1,135	1,300	10,168	11,118	-8.5
Communication	1,696	1,652	1,683	1,545	1,615	1,951	15,539	16,359	-5.0
Power	7,542	7,531	7,502	7,428	7,404	7,344	71,953	67,151	7.2
Manufacturing	6,407	6,635	6,814	6,540	6,261	7,000	62,284	64,245	-3.1
Total Public Construction²	26,660	27,667	28,662	27,099	27,493	27,074	241,017	244,731	-1.5
Residential	589	554	589	533	556	596	5,326	5,476	-2.7
Nonresidential	26,072	27,113	28,073	26,565	26,936	26,478	235,690	239,256	-1.5
Office	681	764	716	656	668	676	6,500	6,739	-3.5
Commercial	278	309	308	210	276	239	2,728	2,162	26.2
Health care	724	840	773	696	718	724	7,159	7,117	0.6
Educational	6,061	6,333	7,280	7,177	7,181	5,413	59,515	56,539	5.3
Public safety	696	721	683	658	688	777	6,593	7,104	-7.2
Amusement and recreation	868	877	893	863	913	927	8,302	8,648	-4.0
Transportation	2,683	2,742	2,676	2,730	2,701	3,027	25,434	26,820	-5.2
Power	660	637	641	663	1,072	780	7,354	9,024	-18.5
Highway and street	9,693	10,137	10,365	9,445	9,032	9,698	76,537	76,360	0.2
Sewage and waste disposal	1,948	1,853	1,974	1,823	1,882	2,238	18,514	20,272	-8.7
Water supply	1,075	1,044	1,028	991	1,069	1,182	9,816	10,664	-8.0
Conservation and development	630	759	635	571	648	658	6,270	6,613	-5.2

^pPreliminary ^rRevised

¹Includes the following categories of private construction not shown separately:
public safety, highway and street, sewage and waste disposal, water supply, and conservation and development.

²Includes 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	0.9	0.5	0.6	0.9	1.1
Residential	4.6	3.7	4.4	3.4	5.8
Nonresidential	0.9	0.5	0.7	0.9	1.1
Lodging	2.0	1.5	2.3	1.2	2.6
Office	2.6	2.2	2.4	1.3	3.0
Commercial	3.1	1.4	1.9	1.6	2.4
Health care	2.1	1.7	2.3	1.5	2.6
Educational	2.1	1.3	1.9	1.5	2.5
Religious	7.3	5.0	6.5	3.3	7.7
Public safety	3.1	2.3	2.5	2.4	4.3
Amusement and recreation	3.3	2.2	3.0	2.2	4.0
Transportation	1.8	1.2	1.6	1.3	2.7
Communication	NA	NA	NA	NA	NA
Power	0.4	0.3	0.4	0.3	1.5
Highway and street	3.6	1.8	2.2	4.1	4.5
Sewage and waste disposal	3.5	2.3	2.7	2.8	4.5
Water supply	4.4	2.4	3.6	5.0	5.9
Conservation and development	3.7	2.8	3.4	2.3	4.8
Manufacturing	0.9	0.9	0.9	0.5	0.9
Total Private Construction	0.9	0.6	0.8	0.5	1.0
Residential	5.0	1.1	1.3	0.8	1.4
New single family	5.0	4.0	6.8	6.0	6.0
New multi-family	5.9	5.3	4.1	1.9	5.5
Nonresidential	0.9	0.6	0.8	0.5	1.0
Lodging	2.0	1.6	2.3	1.2	2.7
Office	3.0	2.4	2.7	1.5	3.5
Commercial	3.1	1.4	1.8	1.6	2.3
Health care	2.5	2.0	2.9	1.8	3.1
Educational	3.2	2.3	3.1	2.1	4.2
Religious	7.3	5.0	6.5	3.3	7.8
Amusement and recreation	3.5	2.7	3.9	2.8	5.0
Transportation	5.0	3.6	4.2	2.5	6.7
Communication	NA	NA	NA	NA	NA
Power	0.3	0.2	0.3	0.3	1.6
Manufacturing	0.9	0.9	0.9	0.5	0.9
Total Public Construction	1.4	0.8	1.0	1.7	1.8
Residential	4.6	3.8	4.4	3.5	5.7
Nonresidential	1.5	0.8	1.0	1.7	1.8
Office	3.1	2.6	3.3	1.8	4.7
Commercial	10.7	8.4	14.0	2.9	23.7
Health care	3.0	2.5	2.9	2.1	3.7
Educational	2.5	1.5	2.3	1.8	2.9
Public safety	3.1	2.3	2.6	2.4	4.4
Amusement and recreation	5.5	3.6	4.4	3.4	6.0
Transportation	1.9	1.3	1.7	1.4	2.9
Power	4.6	3.3	3.0	5.1	3.3
Highway and street	3.5	1.8	2.3	4.1	4.5
Sewage and waste disposal	3.5	2.4	2.8	2.9	4.6
Water supply	4.5	2.5	3.8	5.0	6.2
Conservation and development	3.7	2.8	3.5	2.3	4.9

NA Not applicable