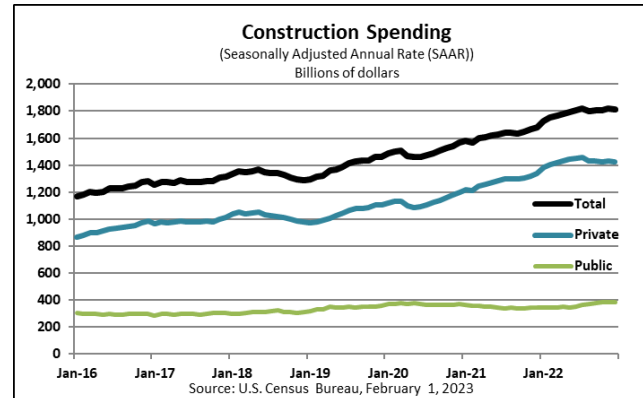
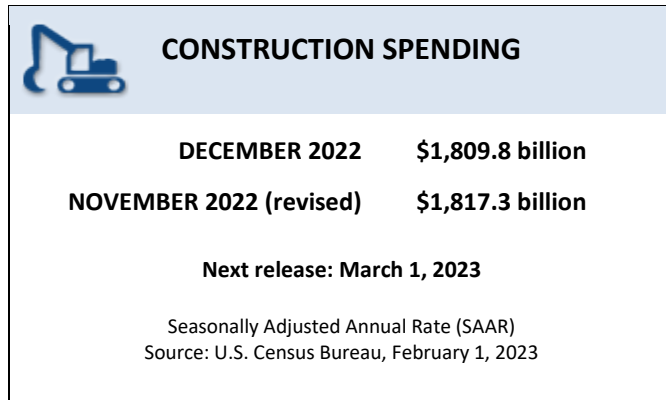


FOR RELEASE AT 10:00 AM EST, WEDNESDAY, FEBRUARY 1, 2023

MONTHLY CONSTRUCTION SPENDING, DECEMBER 2022

Release Number: CB23-18

February 1, 2023 — The U.S. Census Bureau announced the following value put in place construction statistics for December 2022:



Total Construction

Construction spending during December 2022 was estimated at a seasonally adjusted annual rate of \$1,809.8 billion, 0.4 percent (± 0.8 percent)* below the revised November estimate of \$1,817.3 billion. The December figure is 7.7 percent (± 1.2 percent) above the December 2021 estimate of \$1,681.0 billion.

The value of construction in 2022 was \$1,792.9 billion, 10.2 percent (± 0.8 percent) above the \$1,626.4 billion spent in 2021.

Private Construction

Spending on private construction was at a seasonally adjusted annual rate of \$1,427.1 billion, 0.4 percent (± 0.5 percent)* below the revised November estimate of \$1,432.9 billion. Residential construction was at a seasonally adjusted annual rate of \$857.2 billion in December, 0.3 percent (± 1.3 percent)* below the revised November estimate of \$860.0 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$570.0 billion in December, 0.5 percent (± 0.5 percent)* below the revised November estimate of \$572.9 billion.

The value of private construction in 2022 was \$1,429.2 billion, 11.7 percent (± 1.0 percent) above the \$1,279.5 billion spent in 2021. Residential construction in 2022 was \$899.1 billion, 13.3 percent (± 2.1 percent) above the 2021 figure of \$793.7 billion and nonresidential construction was \$530.1 billion, 9.1 percent (± 1.0 percent) above the \$485.8 billion in 2021.

Data Inquiries

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U.S. Department of Commerce
U.S. CENSUS BUREAU
[census.gov](https://www.census.gov)

Public Construction

In December, the estimated seasonally adjusted annual rate of public construction spending was \$382.7 billion, 0.4 percent (± 1.3 percent)* below the revised November estimate of \$384.4 billion. Educational construction was at a seasonally adjusted annual rate of \$84.2 billion, 0.3 percent (± 2.3 percent)* below the revised November estimate of \$84.4 billion. Highway construction was at a seasonally adjusted annual rate of \$117.3 billion, 1.1 percent (± 3.5 percent)* above the revised November estimate of \$116.0 billion.

The value of public construction in 2022 was \$363.6 billion, 4.8 percent (± 1.3 percent) above the \$347.0 billion spent in 2021. Educational construction in 2022 was \$80.2 billion, 2.6 percent (± 2.6 percent)* below the 2021 figure of \$82.3 billion and highway construction was \$108.9 billion, 8.6 percent (± 3.5 percent) above the \$100.2 billion in 2021.

Notice

The construction spending estimates released on March 1, 2023, will reflect new survey sampling rates for construction projects started in or after January 2023 to ensure each sample is representative of its target population and to maintain the efficiency of the sample.

The January 2023 Monthly Construction Spending Report is scheduled for release on March 1, 2023. View the full schedule in the Economic Briefing Room: www.census.gov/economic-indicators/. The full text and tables for this release can be found at www.census.gov/constructionspending/.

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 percentage 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, 0.73 percent; private construction, 0.92 percent; and public construction, 0.58 percent. Explanations of confidence intervals and sampling variability can be found on our website at www.census.gov/construction/c30/methodology.html/.

Data Inquiries

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RESOURCES

API

The Census Bureau's application programming interface lets developers create custom apps to reach new users and makes key demographic, socio-economic and housing statistics more accessible than ever before. <www.census.gov/developers/>

FRED Mobile App



Receive the latest updates on the nation's key economic indicators by downloading the FRED App <<https://fred.stlouisfed.org/fred-mobile/>> for both Apple and Android devices. FRED, the signature database of the Federal Reserve Bank of St. Louis, now incorporates the Census Bureau's 13 economic indicators.

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* The 90 percent confidence interval includes zero. There is insufficient evidence to conclude that the actual change is different from zero.

Data Inquiries

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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	Dec 2022 ^p	Nov 2022 ^r	Oct 2022 ^r	Sep 2022	Aug 2022	Dec 2021	Percent change Dec 2022 from -	
							Nov 2022	Dec 2021
Total Construction	1,809,785	1,817,287	1,808,343	1,807,497	1,797,771	1,681,044	-0.4	7.7
Residential	866,300	869,189	874,105	889,018	905,056	852,307	-0.3	1.6
Nonresidential	943,485	948,098	934,238	918,479	892,714	828,737	-0.5	13.8
Lodging	21,526	21,582	21,845	20,144	18,560	15,808	-0.3	36.2
Office	92,039	92,469	89,874	87,310	86,641	84,467	-0.5	9.0
Commercial	126,654	126,070	125,866	120,099	118,177	103,251	0.5	22.7
Health care	54,823	55,600	55,157	52,848	53,152	49,691	-1.4	10.3
Educational	104,094	104,808	103,429	98,554	97,284	98,187	-0.7	6.0
Religious	2,665	2,817	2,707	3,047	3,129	2,855	-5.4	-6.7
Public safety	11,468	11,827	11,739	11,595	11,889	9,755	-3.0	17.6
Amusement and recreation	28,701	28,785	28,648	27,726	27,247	25,832	-0.3	11.1
Transportation	60,165	59,963	59,559	58,051	56,965	55,007	0.3	9.4
Communication	24,959	24,795	24,966	24,796	24,555	24,361	0.7	2.5
Power	107,557	107,214	106,127	105,247	105,986	116,289	0.3	-7.5
Highway and street	118,175	116,941	117,811	117,625	111,519	103,460	1.1	14.2
Sewage and waste disposal	34,107	33,972	33,214	33,171	33,323	27,025	0.4	26.2
Water supply	24,121	24,693	25,288	25,518	25,778	18,781	-2.3	28.4
Conservation and development	9,776	11,090	9,735	9,080	9,711	7,941	-11.8	23.1
Manufacturing	122,656	125,473	118,274	123,669	108,798	86,027	-2.2	42.6
Total Private Construction¹	1,427,128	1,432,916	1,426,310	1,431,908	1,428,132	1,338,482	-0.4	6.6
Residential ²	857,150	859,988	864,902	879,682	895,698	842,949	-0.3	1.7
New single family	384,437	393,407	406,197	418,664	432,420	450,520	-2.3	-14.7
New multifamily	120,315	116,565	112,249	105,130	101,376	99,667	3.2	20.7
Nonresidential	569,978	572,928	561,408	552,226	532,434	495,533	-0.5	15.0
Lodging	21,112	21,180	21,401	19,573	18,039	15,447	-0.3	36.7
Office	79,455	79,430	77,601	75,081	74,777	72,516	0.0	9.6
Commercial	122,436	121,963	121,701	115,875	114,008	99,879	0.4	22.6
Health care	43,386	43,845	43,507	41,960	42,067	39,643	-1.0	9.4
Educational	19,901	20,381	19,767	18,720	18,737	18,134	-2.4	9.7
Religious	2,665	2,817	2,707	3,047	3,129	2,855	-5.4	-6.7
Amusement and recreation	14,476	14,630	14,660	14,091	13,778	12,722	-1.1	13.8
Transportation	18,678	18,569	18,291	17,686	15,963	15,345	0.6	21.7
Communication	24,834	24,666	24,817	24,674	24,422	24,119	0.7	3.0
Power	97,996	97,475	96,373	95,918	96,264	107,223	0.5	-8.6
Manufacturing	122,172	124,980	117,692	122,939	108,210	85,583	-2.2	42.8
Total Public Construction³	382,658	384,371	382,033	375,590	369,638	342,562	-0.4	11.7
Residential	9,150	9,200	9,204	9,336	9,358	9,358	-0.5	-2.2
Nonresidential	373,508	375,170	372,830	366,254	360,280	333,205	-0.4	12.1
Office	12,584	13,039	12,273	12,230	11,864	11,952	-3.5	5.3
Commercial	4,219	4,107	4,165	4,224	4,169	3,372	2.7	25.1
Health care	11,436	11,755	11,650	10,888	11,085	10,049	-2.7	13.8
Educational	84,193	84,427	83,663	79,834	78,548	80,053	-0.3	5.2
Public safety	11,246	11,598	11,487	11,368	11,657	9,685	-3.0	16.1
Amusement and recreation	14,226	14,156	13,988	13,635	13,469	13,111	0.5	8.5
Transportation	41,487	41,394	41,268	40,364	41,002	39,662	0.2	4.6
Power	9,561	9,739	9,754	9,329	9,722	9,065	-1.8	5.5
Highway and street	117,290	115,992	116,865	116,814	110,540	102,504	1.1	14.4
Sewage and waste disposal	33,226	33,100	32,449	32,467	32,584	26,677	0.4	24.5
Water supply	23,372	23,877	24,496	24,740	24,787	18,152	-2.1	28.8
Conservation and development	9,646	10,964	9,598	8,938	9,613	7,877	-12.0	22.5

^p Preliminary ^r Revised

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 private residential improvements.

³Includes the following categories of public construction not shown separately:
lodging, religious, communication, and manufacturing.

Data are at an annual rate, adjusted for seasonality but not price changes. Source: U.S. Census Bureau, Construction Spending, February 1, 2023.
Table 3 provides estimated measures of sampling variability. Additional information on the survey methodology may be found at
<www.census.gov/construction/c30/meth.html>

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	Dec 2022 ^p	Nov 2022 ^r	Oct 2022 ^r	Sep 2022	Aug 2022	Dec 2021	Year-to-date		
							Dec 2022	Dec 2021	Percent change
Total Construction	133,656	149,659	158,075	162,810	166,768	126,622	1,792,854	1,626,444	10.2
Residential	60,382	69,984	74,738	78,817	83,815	62,289	908,251	802,933	13.1
Nonresidential	73,274	79,676	83,336	83,993	82,953	64,333	884,603	823,511	7.4
Lodging	1,776	1,836	1,846	1,705	1,589	1,288	18,571	18,236	1.8
Office	7,338	7,745	7,847	7,745	7,585	6,713	87,201	86,642	0.6
Commercial	10,021	10,725	11,180	10,636	10,507	8,239	114,786	94,553	21.4
Health care	4,504	4,752	4,785	4,643	4,606	4,101	52,584	48,459	8.5
Educational	7,535	8,147	8,530	8,685	9,721	7,061	99,008	98,426	0.6
Religious	214	240	237	268	289	231	2,869	2,926	-1.9
Public safety	901	1,006	1,007	1,064	1,053	781	11,247	12,150	-7.4
Amusement and recreation	2,241	2,426	2,520	2,493	2,422	2,039	26,992	25,276	6.8
Transportation	4,768	5,127	5,371	5,301	5,227	4,350	56,777	56,689	0.2
Communication	2,331	2,268	2,135	2,147	2,118	2,322	24,340	24,696	-1.4
Power	8,766	9,002	9,063	8,998	9,110	9,614	109,953	120,834	-9.0
Highway and street	6,971	9,655	12,023	13,092	12,982	6,049	109,731	100,679	9.0
Sewage and waste disposal	2,603	2,897	3,110	3,106	3,111	2,057	31,943	27,968	14.2
Water supply	1,802	2,062	2,252	2,345	2,378	1,411	22,947	19,214	19.4
Conservation and development	804	945	819	931	929	683	9,298	7,893	17.8
Manufacturing	10,702	10,844	10,611	10,835	9,329	7,394	106,355	78,872	34.8
Total Private Construction¹	106,743	118,033	123,089	126,101	129,298	102,500	1,429,233	1,279,464	11.7
Residential ²	59,664	69,210	73,931	77,949	82,967	61,551	899,101	793,660	13.3
New single family	28,524	33,941	36,323	38,120	39,456	34,012	442,538	423,869	4.4
New multifamily	9,431	9,811	9,605	8,978	8,845	7,737	104,946	100,635	4.3
Nonresidential	47,078	48,823	49,158	48,152	46,331	40,949	530,132	485,805	9.1
Lodging	1,741	1,803	1,809	1,658	1,545	1,258	18,139	17,579	3.2
Office	6,337	6,650	6,802	6,631	6,516	5,749	74,989	74,871	0.2
Commercial	9,673	10,363	10,821	10,244	10,140	7,963	110,933	90,885	22.1
Health care	3,574	3,761	3,801	3,659	3,638	3,280	41,685	38,545	8.1
Educational	1,526	1,639	1,630	1,559	1,712	1,378	18,804	16,107	16.7
Religious	214	240	237	268	289	231	2,869	2,920	-1.7
Amusement and recreation	1,166	1,223	1,255	1,227	1,204	1,039	13,687	12,423	10.2
Transportation	1,601	1,645	1,659	1,568	1,388	1,319	16,132	15,414	4.7
Communication	2,320	2,257	2,122	2,137	2,107	2,301	24,222	24,474	-1.0
Power	8,047	8,187	8,203	8,187	8,230	8,924	100,335	112,402	-10.7
Manufacturing	10,661	10,803	10,563	10,774	9,280	7,357	105,809	78,461	34.9
Total Public Construction³	26,914	31,626	34,985	36,709	37,470	24,122	363,621	346,980	4.8
Residential	718	773	807	868	848	737	9,150	9,274	-1.3
Nonresidential	26,196	30,853	34,178	35,841	36,622	23,385	354,471	337,706	5.0
Office	1,001	1,095	1,045	1,113	1,069	964	12,213	11,771	3.8
Commercial	347	362	360	392	367	276	3,853	3,669	5.0
Health care	930	992	985	984	968	822	10,899	9,914	9.9
Educational	6,009	6,508	6,900	7,126	8,009	5,683	80,204	82,319	-2.6
Public safety	884	988	986	1,046	1,032	776	11,078	12,054	-8.1
Amusement and recreation	1,075	1,203	1,265	1,266	1,217	1,001	13,305	12,853	3.5
Transportation	3,167	3,482	3,712	3,734	3,839	3,031	40,646	41,274	-1.5
Power	719	815	861	811	880	690	9,617	8,432	14.1
Highway and street	6,911	9,577	11,939	13,018	12,895	5,989	108,880	100,225	8.6
Sewage and waste disposal	2,531	2,823	3,044	3,039	3,037	2,029	31,273	27,517	13.6
Water supply	1,743	1,990	2,175	2,274	2,286	1,360	22,202	18,573	19.5
Conservation and development	793	934	808	920	921	678	9,205	7,811	17.8

^p Preliminary ^r Revised

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 private residential improvements.

³Includes the following categories of public construction not shown separately:
lodging, religious, communication, and manufacturing.

Source: U.S. Census Bureau, Construction Spending, February 1, 2023.

Table 3 provides estimated measures of sampling variability. Additional information on the survey methodology may be found at
<www.census.gov/construction/c30/meth.html>

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	0.6	0.4	0.5	0.5	0.7
Residential	5.8	5.3	3.5	2.0	4.8
Nonresidential	0.6	0.4	0.5	0.5	0.7
Lodging	1.6	1.3	2.2	1.0	3.2
Office	1.7	1.5	1.8	0.7	1.9
Commercial	1.2	0.8	1.1	0.6	1.5
Health care	1.2	1.0	1.4	0.7	1.6
Educational	1.7	1.2	1.4	1.2	2.0
Religious	6.3	6.0	5.6	3.4	6.3
Public safety	2.2	1.9	2.0	1.4	3.0
Amusement and recreation	2.4	2.0	2.3	1.1	2.6
Transportation	1.3	0.9	1.0	0.8	1.9
Communication	NA	NA	NA	NA	NA
Power	0.3	0.3	0.2	0.2	0.3
Highway and street	2.8	1.4	2.1	2.1	4.0
Sewage and waste disposal	2.6	1.8	2.3	1.9	4.6
Water supply	3.2	2.1	3.1	2.1	4.2
Conservation and development	2.4	1.7	2.2	0.9	2.3
Manufacturing	0.8	0.9	1.3	0.3	1.7
Total Private Construction	0.6	0.5	0.6	0.3	0.7
Residential	5.0	1.1	1.3	0.8	1.4
New single family	8.2	8.2	1.7	0.5	2.6
New multifamily	7.0	6.7	4.1	1.1	4.3
Nonresidential	0.6	0.5	0.6	0.3	0.7
Lodging	1.7	1.3	2.3	1.0	3.3
Office	2.0	1.7	2.0	0.8	2.1
Commercial	1.2	0.8	1.1	0.6	1.5
Health care	1.5	1.2	1.7	0.8	2.0
Educational	2.4	1.9	2.8	1.2	3.0
Religious	6.3	6.0	5.6	3.4	6.3
Amusement and recreation	3.3	2.4	3.0	1.5	3.2
Transportation	2.4	1.8	1.9	0.6	3.7
Communication	NA	NA	NA	NA	NA
Power	0.1	0.2	0.2	0.1	0.2
Manufacturing	0.7	0.8	1.3	0.3	1.7
Total Public Construction	1.1	0.6	0.8	0.8	1.4
Residential	5.8	5.3	3.5	2.0	4.8
Nonresidential	1.1	0.6	0.8	0.9	1.4
Office	2.7	2.1	2.3	1.4	2.7
Commercial	6.3	4.5	6.2	6.2	12.0
Health care	1.6	1.3	1.9	0.7	1.9
Educational	2.0	1.4	1.6	1.4	2.3
Public safety	2.2	1.9	2.0	1.4	3.0
Amusement and recreation	3.5	3.2	3.3	1.6	4.3
Transportation	1.5	1.0	1.1	0.9	2.1
Power	4.3	3.6	5.1	2.1	6.2
Highway and street	2.8	1.4	2.1	2.1	4.0
Sewage and waste disposal	2.6	1.8	2.4	1.9	4.4
Water supply	3.2	2.1	3.1	2.1	4.3
Conservation and development	2.3	1.7	2.2	0.8	2.3

NA Not applicable

Source: U.S. Census Bureau, Construction Spending, February 1, 2023. Additional information on the survey methodology may be found at www.census.gov/construction/c30/meth.html

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	2022 ^p	2021	Percent change	Coefficient of variation
Total Construction	1,792,854	1,626,444	10.2	0.4
Residential	908,251	802,933	13.1	5.3
Nonresidential	884,603	823,511	7.4	0.4
Lodging	18,571	18,236	1.8	1.3
Office	87,201	86,642	0.6	1.5
Commercial	114,786	94,553	21.4	0.8
Health care	52,584	48,459	8.5	1.0
Educational	99,008	98,426	0.6	1.2
Religious	2,869	2,926	-1.9	6.0
Public safety	11,247	12,150	-7.4	1.9
Amusement and recreation	26,992	25,276	6.8	2.0
Transportation	56,777	56,689	0.2	0.9
Communication	24,340	24,696	-1.4	NA
Power	109,953	120,834	-9.0	0.3
Highway and street	109,731	100,679	9.0	1.4
Sewage and waste disposal	31,943	27,968	14.2	1.8
Water supply	22,947	19,214	19.4	2.1
Conservation and development	9,298	7,893	17.8	1.7
Manufacturing	106,355	78,872	34.8	0.9
Total Private Construction¹	1,429,233	1,279,464	11.7	0.5
Residential ²	899,101	793,660	13.3	1.1
New single family	442,538	423,869	4.4	8.2
New multifamily	104,946	100,635	4.3	6.7
Nonresidential	530,132	485,805	9.1	0.5
Lodging	18,139	17,579	3.2	1.3
Office	74,989	74,871	0.2	1.7
Commercial	110,933	90,885	22.1	0.8
Health care	41,685	38,545	8.1	1.2
Educational	18,804	16,107	16.7	1.9
Religious	2,869	2,920	-1.7	6.0
Public safety	169	96	76.0	18.7
Amusement and recreation	13,687	12,423	10.2	2.4
Transportation	16,132	15,414	4.7	1.8
Communication	24,222	24,474	-1.0	NA
Power	100,335	112,402	-10.7	0.2
Sewage and waste disposal	670	451	48.6	14.6
Water supply	746	641	16.4	11.9
Manufacturing	105,809	78,461	34.9	0.8
Total Public Construction³	363,621	346,980	4.8	0.6
Residential	9,150	9,274	-1.3	5.3
Nonresidential	354,471	337,706	5.0	0.6
Office	12,213	11,771	3.8	2.1
Commercial	3,853	3,669	5.0	4.5
Health care	10,899	9,914	9.9	1.3
Educational	80,204	82,319	-2.6	1.4
Public safety	11,078	12,054	-8.1	1.9
Amusement and recreation	13,305	12,853	3.5	3.2
Transportation	40,646	41,274	-1.5	1.0
Power	9,617	8,432	14.1	3.6
Highway and street	108,880	100,225	8.6	1.4
Sewage and waste disposal	31,273	27,517	13.6	1.8
Water supply	22,202	18,573	19.5	2.1
Conservation and development	9,205	7,811	17.8	1.7

NA Not applicable ¹Preliminary

¹Includes the following categories of private construction not shown separately:
highway and street, and conservation and development.

²Includes private residential improvements.

³Includes the following categories of public construction not shown separately:
lodging, religious, communication, and manufacturing.

Source: U.S. Census Bureau, Construction Spending, February 1, 2023. Additional information on the survey methodology may be found at
<www.census.gov/construction/c30/meth.html>