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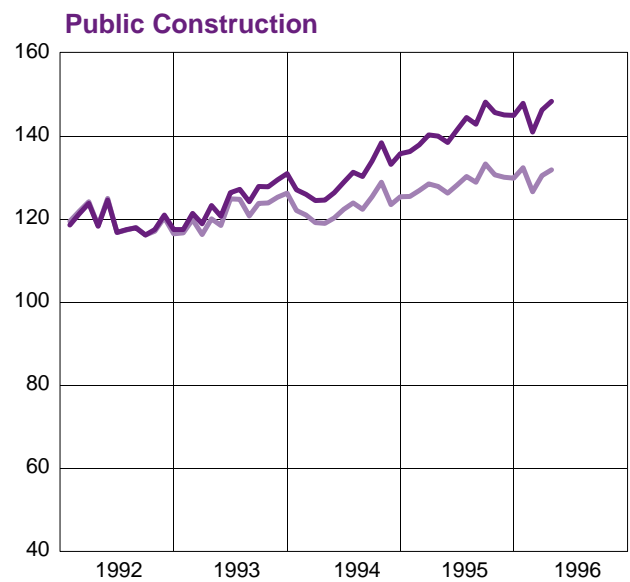
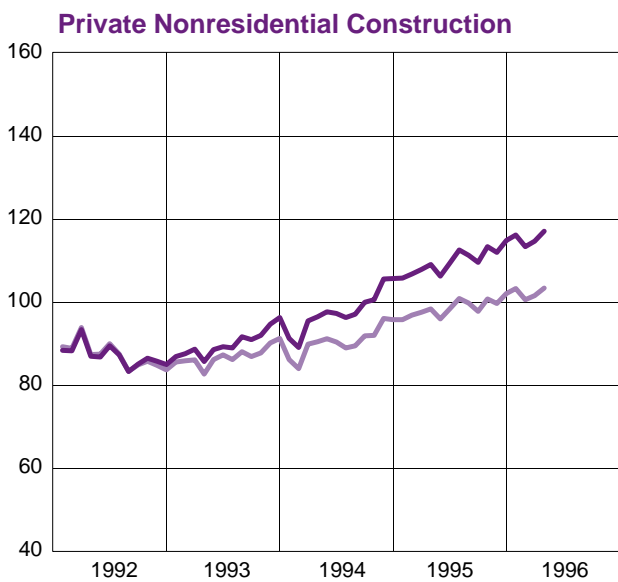
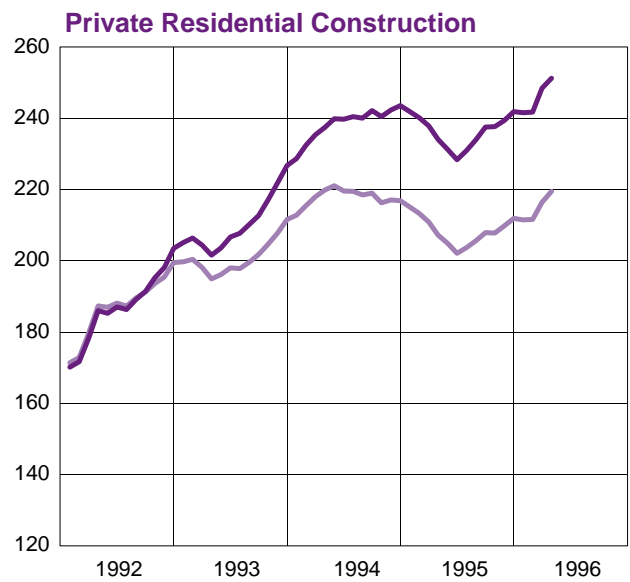
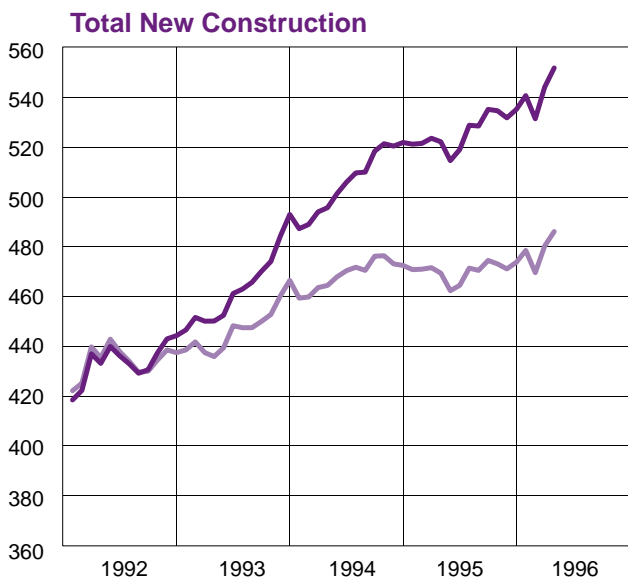
Value of New Construction Put in Place

APRIL 1996

C30/96-4
 Issued June 1996

Monthly Value of New Construction Put in Place (Seasonally adjusted annual rate in billions of dollars)

— Current dollars
 — 1992 dollars



VALUE OF NEW CONSTRUCTION PUT IN PLACE

New construction put in place during April 1996 was estimated at a seasonally adjusted annual rate of \$551.7 billion, 1(±5) percent above the revised March estimate of \$544.0 billion. The April figure represents a 6(±5) percent increase over April 1995.

During the first 4 months of this year \$153.6 billion of new construction was put in place, 5 percent above the \$146.6 billion for the same period in 1995.

In constant (1992) dollars, the April annual rate was \$486.0 billion, 1(±5) percent above the revised March estimate of \$480.2 billion.

Spending on new residential housing units was at a seasonally adjusted annual rate of \$178.0 billion in April, 1(±2) percent above the revised March estimate of \$175.8 billion. Nonresidential building construction was at a rate of \$117.0 billion, 2(±3) percent above the revised March estimate of \$114.6 billion.

In April, the estimated seasonally adjusted annual rate of public construction put in place was \$148.3 billion, 1(±5) percent above the revised March estimate of \$146.2 billion.

The “value of new construction put in place” is a measure of the value of construction installed or erected at the site during a given period. For an individual project, this includes—

1. Cost of materials installed or erected.
2. Cost of labor (both by contractors and force account) and a proportionate share of the cost of construction equipment rental.
3. Contractor's profit.
4. Project owner's overhead and office costs.
5. Cost of architectural and engineering work.
6. Miscellaneous costs chargeable to the project on the owner's books.
7. Interest and taxes paid during construction.

The total value-in-place for a given period is the sum of the value of work done on all projects underway during this period, regardless of when work on each individual project was started or when payment was made to the contractors. For some categories, estimates are derived by distributing the total construction cost of the project by means of historic construction progress patterns.

ADDITIONAL DATA

Additional data related to the value of new construction put in place can be found in the following publications:

- Current Construction Reports, *Value of New Construction Put in Place: May 1995*, C30/95-5, U.S. Department of Commerce, Bureau of the Census, Washington, DC, 1995; contains annual data for 1964-1994 and monthly data for 1992 to 1994.
- Current Construction Reports, *Value of New Construction Put in Place in the United States, 1964*

to 1980, C30-80 supplement, U.S. Department of Commerce, Bureau of the Census, Washington, DC, 1981; contains annual data for 1915 to 1963.

- Current Construction Reports Special Study, *Expenditures for Nonresidential Improvements and Repairs: 1992*, U.S. Department of Commerce, Bureau of the Census, Washington, DC, 1994.

For special supplements in the C30 reports, refer to table below.

Title	C30 Issue					
Value of privately owned nonresidential building projects started and completed (quarterly)	96-3	95-12	95-9	95-6	95-3	94-12
Value of new privately owned nonresidential buildings by geographic area and detailed types of construction: 1973 to 94 (annual)	95-7	94-7	93-7	92-7	91-7	90-7
Total time and monthly progress from start to completion for private nonresidential buildings (annual)	92-10					
Total time and monthly progress from start to completion for State and Local construction (annual)	92-10					

Table 1. Annual Value of New Construction Put in Place: 1991-1995

[Millions of dollars]

Type of construction	Current dollars					Constant (1992) dollars				
	1991	1992	1993	1994	1995 ^f	1991	1992	1993	1994	1995 ^f
Total new construction.....	403,404	435,021	464,501	506,904	526,598	406,351	435,198	447,798	469,005	470,202
Private construction	293,295	315,696	339,160	376,566	383,886	296,245	315,826	325,401	346,099	341,020
Residential buildings	157,835	187,869	210,455	238,883	236,111	159,527	187,915	200,729	217,886	208,081
New housing units	110,592	129,600	144,071	167,928	162,412	111,773	129,640	137,397	153,177	143,131
1 unit	95,444	116,505	133,282	153,838	143,992	96,456	116,529	127,102	140,339	126,897
2 or more units	15,148	13,094	10,788	14,090	18,420	15,317	13,112	10,295	12,838	16,234
Improvements	47,243	58,269	66,384	70,955	(NA)	47,753	58,275	63,332	64,708	(NA)
Nonresidential buildings	97,841	87,241	90,065	97,704	109,721	98,808	87,266	86,912	90,465	98,441
Industrial	22,281	20,719	19,531	21,122	24,154	22,502	20,728	18,855	19,552	21,673
Office	23,010	17,241	15,414	17,074	19,422	23,238	17,255	14,882	15,810	17,430
Hotels, motels	6,286	3,507	4,286	4,121	6,424	6,350	3,506	4,136	3,821	5,760
Other commercial	25,470	24,283	27,211	31,478	35,735	25,720	24,280	26,246	29,131	32,054
Religious	3,415	3,382	3,636	3,648	3,877	3,448	3,381	3,509	3,377	3,478
Educational	3,929	4,254	4,229	4,418	5,003	3,968	4,257	4,080	4,095	4,489
Hospital and institutional	9,189	10,110	11,001	10,332	9,775	9,280	10,111	10,620	9,571	8,774
Miscellaneous ¹	4,261	3,746	4,756	5,511	5,332	4,302	3,746	4,586	5,108	4,782
Farm nonresidential	2,563	2,391	3,191	3,287	(NA)	2,588	2,391	3,078	3,044	(NA)
Public utilities	32,113	34,626	32,169	33,801	(NA)	32,392	34,685	31,452	31,942	(NA)
Telecommunications	8,962	8,993	9,619	10,771	10,775	8,958	9,005	9,468	10,471	9,828
Other public utilities	23,151	25,633	22,550	23,030	(NA)	23,434	25,680	21,985	21,471	(NA)
Railroads	2,406	2,928	3,108	3,905	(NA)	2,394	2,926	3,056	3,731	(NA)
Electric light and power	14,440	14,955	12,811	12,256	(NA)	14,631	15,010	12,428	11,411	(NA)
Gas	5,555	6,901	5,645	5,871	(NA)	5,647	6,895	5,536	5,410	(NA)
Petroleum pipelines	750	849	986	998	(NA)	762	849	965	919	(NA)
All other private ²	2,943	3,570	3,281	2,890	2,829	2,930	3,569	3,229	2,763	2,585
Public construction	110,109	119,326	125,341	130,338	142,711	110,107	119,372	122,396	122,906	129,182
Buildings	47,406	50,281	51,457	52,308	58,009	47,872	50,303	49,610	48,370	51,967
Housing and redevelopment ..	3,587	3,825	4,036	4,616	5,182	3,627	3,828	3,851	4,211	4,568
Industrial	1,824	1,876	1,718	1,465	1,506	1,841	1,875	1,658	1,357	1,352
Educational	19,203	20,736	22,065	23,194	25,913	19,387	20,742	21,288	21,477	23,244
Hospital	2,829	3,271	3,684	3,856	4,262	2,857	3,272	3,556	3,573	3,825
Other ³	19,965	20,574	19,954	19,176	21,146	20,161	20,584	19,258	17,752	18,978
Highways and streets	32,042	34,899	37,432	39,883	42,219	31,329	34,933	37,284	38,602	38,640
Military facilities	1,837	2,502	2,453	2,318	2,904	1,827	2,502	2,406	2,195	2,635
Conservation and development ..	5,011	6,021	5,977	6,228	6,317	5,075	6,015	5,811	5,869	5,743
Sewer systems	10,039	10,180	10,433	11,334	12,161	10,169	10,171	10,145	10,678	11,046
Water supply facilities	4,981	5,171	6,022	6,164	7,110	5,083	5,179	5,765	5,630	6,380
Miscellaneous public ⁴	8,793	10,272	11,568	12,104	13,992	8,751	10,270	11,375	11,563	12,770

NA Not available, but estimates are included in totals.

^fRevised.¹Includes amusement and recreational buildings, bus and airline terminals, animal hospitals and shelters, etc.²Includes privately owned streets and bridges, parking areas, sewer and water facilities, parks and playgrounds, golf courses, airfields, etc.³Includes general administrative buildings, prisons, police and fire stations, courthouses, civic centers, passenger terminals, space facilities, postal facilities, etc.⁴Includes open amusement and recreational facilities, power generating facilities, transit systems, airfields, open parking facilities, etc.

Table 2. Annual Value of New Public Construction Put in Place: 1991-1995

[Millions of dollars]

Type of construction	Current dollars					Constant (1992) dollars				
	1991	1992	1993	1994	1995 ^r	1991	1992	1993	1994	1995 ^r
Total public construction	110,109	119,326	125,341	130,338	142,711	110,107	119,372	122,396	122,906	129,182
State and local construction	97,264	104,949	110,931	115,980	127,051	97,179	104,995	108,381	109,418	115,014
Total buildings	41,520	44,317	45,762	47,165	51,950	41,928	44,335	44,118	43,616	46,538
Housing and redevelopment	3,374	3,664	3,800	4,170	4,603	3,411	3,668	3,626	3,805	4,058
Educational	19,183	20,706	22,045	23,168	25,873	19,367	20,713	21,268	21,452	23,208
Hospital	2,125	2,515	2,778	3,005	3,228	2,146	2,515	2,680	2,785	2,896
Other ¹	16,838	17,433	17,140	16,822	18,246	17,004	17,439	16,544	15,575	16,374
Highways and streets	31,806	34,679	37,108	39,537	41,855	31,098	34,712	36,961	38,267	38,307
Conservation and development . .	1,408	1,488	1,759	1,852	2,133	1,426	1,485	1,710	1,744	1,940
Sewer systems	10,039	10,180	10,433	11,334	12,161	10,169	10,171	10,145	10,678	11,046
Water supply facilities	4,981	5,171	6,022	6,164	7,110	5,083	5,179	5,765	5,630	6,380
Miscellaneous nonbuilding ²	7,510	9,115	9,846	9,928	11,842	7,474	9,113	9,682	9,483	10,804
Federal construction	12,845	14,376	14,410	14,358	15,660	12,928	14,377	14,015	13,488	14,168
Total buildings	5,886	5,964	5,695	5,142	6,059	5,944	5,968	5,492	4,754	5,430
Housing	213	161	236	446	579	215	161	225	406	509
Industrial	1,824	1,876	1,718	1,465	1,506	1,841	1,875	1,658	1,357	1,352
Educational	20	30	21	26	40	20	30	20	24	36
Hospital	703	757	906	851	1,035	710	757	876	789	929
Other ³	3,127	3,141	2,814	2,354	2,900	3,157	3,145	2,713	2,178	2,604
Highways and streets	236	220	324	346	(NA)	231	220	322	335	(NA)
Military facilities	1,837	2,502	2,453	2,318	2,904	1,827	2,502	2,406	2,195	2,635
Conservation and development . .	3,603	4,533	4,217	4,376	4,183	3,650	4,529	4,102	4,124	3,803
Miscellaneous public ⁴	1,283	1,157	1,722	2,176	2,151	1,277	1,157	1,693	2,080	1,967

NA Not available, but estimates are included in totals.

^rRevised.¹Includes general administrative buildings, prisons, police and fire stations, courthouses, passenger terminals, civic centers, etc.²Includes open amusement and recreational facilities, power generating facilities, transit systems, airfields, open parking facilities, etc.³Includes federal office buildings, prisons, courthouses, space facilities, postal facilities, etc.⁴Includes federal airport facilities, fish and wildlife preservation facilities, VA cemeteries, etc.

Table 3. Monthly Value of New Construction Put in Place—Not Seasonally Adjusted in Current Dollars

[Millions of dollars]

Period	Total new construction	Private construction																All other private ⁵	
		Total ¹	Residential buildings					Nonresidential buildings									Public utilities ⁴		
			Total ²	New housing units			Total	Industrial	Office	Hotels, motels	Other commercial	Religious	Educational	Hospital and institutional	Miscellaneous ³	Total	Telecommunications		
				Total	1 unit	2 units or more													
YEAR TO DATE																			
April 1995	146,568	110,061	66,590	47,231	41,897	5,335	32,830	7,439	6,012	1,740	10,330	1,114	1,420	3,207	1,568	(NA)	3,294	875	
April 1996	153,575	115,020	69,385	50,127	43,813	6,314	35,630	7,581	5,728	3,307	11,324	1,214	1,463	2,920	2,093	(NA)	(NA)	733	
Percent change	5	5	4	6	5	18	9	2	-5	90	10	9	3	-9	33	(NA)	(NA)	-16	
MONTHLY DATA																			
1994: April	38,729	29,580	18,845	13,247	12,220	1,027	7,797	1,659	1,393	422	2,380	264	340	839	500	(NA)	776	199	
May	43,038	32,262	20,890	14,399	13,233	1,166	8,299	1,733	1,444	416	2,690	301	364	884	468	(NA)	848	239	
June	46,707	34,435	22,458	15,337	14,120	1,218	8,411	1,718	1,388	342	2,846	298	422	945	453	(NA)	971	262	
July	47,085	34,765	22,833	15,819	14,604	1,215	8,232	1,668	1,365	274	2,881	304	421	877	444	(NA)	888	287	
August	50,068	36,053	23,343	16,065	14,718	1,347	8,700	1,837	1,468	308	2,953	363	408	903	460	(NA)	979	266	
September	49,606	35,711	22,681	16,065	14,574	1,491	9,147	1,919	1,563	339	3,205	346	382	900	493	(NA)	988	280	
October	48,149	35,240	22,415	15,530	14,183	1,347	8,909	1,923	1,535	313	3,040	356	357	908	476	(NA)	1,008	270	
November	45,167	33,758	21,118	14,998	13,612	1,386	9,023	2,093	1,654	356	2,837	332	357	915	482	(NA)	1,041	255	
December	39,874	29,804	18,072	12,854	11,543	1,311	8,542	2,026	1,510	362	2,659	322	341	881	440	(NA)	1,077	217	
1995: January	34,730	26,244	15,987	11,655	10,453	1,203	7,721	1,702	1,470	387	2,346	272	330	813	402	(NA)	801	207	
February	33,443	25,067	14,856	10,710	9,486	1,224	7,866	1,770	1,448	437	2,436	286	334	800	355	(NA)	723	200	
March	37,756	28,313	17,188	12,286	10,850	1,436	8,450	1,929	1,518	475	2,737	268	353	788	383	(NA)	891	224	
April	40,639	30,437	18,560	12,581	11,109	1,472	8,793	2,038	1,576	441	2,811	288	403	806	429	(NA)	880	244	
May	44,383	32,414	20,171	13,248	11,652	1,596	9,060	2,101	1,689	489	2,744	316	434	845	442	(NA)	926	266	
June	47,860	34,497	21,436	13,852	12,285	1,567	9,506	2,077	1,662	526	3,207	317	485	800	433	(NA)	1,002	269	
July	48,663	35,015	21,857	14,599	12,936	1,663	9,528	2,001	1,817	505	3,079	353	528	837	409	(NA)	954	260	
August	51,703	36,444	22,718	15,250	13,525	1,725	9,916	2,065	1,780	638	3,261	368	491	845	469	(NA)	962	235	
September	50,797	35,640	22,159	15,380	13,716	1,664	9,859	2,086	1,696	550	3,392	356	468	823	489	(NA)	928	242	
October	49,823	35,915	22,176	15,295	13,660	1,634	10,160	2,197	1,608	622	3,516	401	415	869	532	(NA)	930	241	
November	46,220	33,733	20,966	14,816	13,204	1,612	9,537	2,042	1,565	667	3,216	360	402	784	502	(NA)	916	235	
December	40,580	30,168	18,040	12,743	11,117	1,626	9,324	2,146	1,594	687	2,991	293	360	765	489	(NA)	864	207	
1996: January	36,318	27,016	16,100	11,679	10,244	1,435	8,487	1,897	1,368	766	2,630	292	346	735	454	(NA)	814	192	
February ^f	35,042	26,261	15,313	11,147	9,706	1,441	8,644	1,860	1,398	804	2,722	297	332	734	498	(NA)	791	177	
March ^f	38,688	29,264	17,949	13,175	11,561	1,614	8,874	1,888	1,388	832	2,875	283	380	696	532	(NA)	790	182	
April ^p	43,528	32,480	20,022	14,125	12,301	1,824	9,625	1,936	1,574	906	3,097	343	405	755	609	(NA)	(NA)	183	
PERCENT CHANGE																			
March 1996- April 1996	13	11	12	7	6	13	8	3	13	9	8	21	7	8	14	(NA)	(NA)	1	

See footnotes at end of table.

Table 3. Monthly Value of New Construction Put in Place—Not Seasonally Adjusted in Current Dollars—Con.

[Millions of dollars]

Period	Public construction												
	Total	Buildings						Highways and streets	Military facilities	Conservation and development	Sewer systems	Water supply facilities	Miscellaneous public ⁷
		Total	Housing and redevelopment	Industrial	Educational	Hospital	Other public buildings ⁶						
YEAR TO DATE													
April 1995	36,507	16,991	1,598	513	7,039	1,343	6,498	7,678	893	2,009	3,284	1,999	3,654
April 1996	38,555	17,598	1,464	453	7,951	1,450	6,280	8,848	948	1,617	3,529	2,029	3,986
Percent change	6	4	-8	-12	13	8	-3	15	6	-20	7	2	9
MONTHLY DATA													
1994: April	9,149	3,903	386	121	1,661	296	1,439	2,452	169	476	838	441	869
May	10,775	4,325	406	122	1,885	300	1,613	3,567	184	486	854	475	884
June	12,272	4,722	406	121	2,093	340	1,763	4,228	199	501	1,023	532	1,068
July	12,320	4,720	362	108	2,313	352	1,585	4,122	205	509	1,013	584	1,166
August	14,016	5,052	373	120	2,522	306	1,730	5,198	208	548	1,121	566	1,322
September	13,895	4,851	407	166	2,203	327	1,748	4,852	256	879	1,211	646	1,201
October	12,909	4,729	446	112	2,137	312	1,723	4,598	152	490	1,057	721	1,162
November	11,410	4,580	398	119	1,936	328	1,799	3,421	196	512	1,046	547	1,108
December	10,069	4,419	425	126	1,728	365	1,775	2,394	243	582	997	498	936
1995: January	8,486	4,078	394	126	1,669	310	1,579	1,643	218	463	769	506	809
February	8,376	4,053	371	126	1,680	329	1,548	1,512	177	489	820	517	807
March	9,443	4,337	412	135	1,790	340	1,660	1,983	283	560	874	473	934
April	10,202	4,522	421	127	1,900	364	1,711	2,542	216	498	820	501	1,104
May	11,970	4,882	420	124	2,039	373	1,925	3,547	213	482	981	560	1,304
June	13,364	5,279	456	117	2,345	375	1,985	4,258	232	562	1,126	583	1,324
July	13,648	5,346	440	123	2,614	368	1,802	4,649	256	547	1,020	654	1,176
August	15,259	5,666	474	123	2,880	323	1,866	5,563	262	640	1,141	712	1,276
September	15,156	5,638	473	180	2,640	429	1,916	5,049	334	764	1,250	622	1,499
October	13,908	4,909	458	99	2,241	330	1,782	5,115	157	366	1,235	722	1,404
November	12,487	4,844	437	117	2,148	366	1,777	3,747	267	501	1,172	684	1,272
December	10,412	4,455	425	110	1,967	357	1,596	2,613	290	444	951	575	1,084
1996: January	9,302	4,460	394	103	1,947	356	1,660	1,906	249	397	848	454	989
February ^f	8,781	4,099	352	105	1,822	362	1,458	1,952	232	372	830	482	814
March ^f	9,424	4,412	355	125	2,027	379	1,526	2,076	234	431	849	464	958
April ^p	11,048	4,628	363	120	2,156	353	1,636	2,914	233	417	1,001	629	1,226
PERCENT CHANGE													
March 1996-													
April 1996	17	5	2	-4	6	-7	7	40	(Z)	-3	18	36	28

NA Not available, but estimates are included in totals. ^pPreliminary. ^fRevised. ^Z Less than 0.5 percent.

¹Includes farm nonresidential and other private categories, not shown separately. ²Includes residential improvements, not shown separately. ³Includes amusement and recreational buildings, bus and airline terminals, animal hospitals and shelters, etc. ⁴Includes gas, electric, railroad, and petroleum pipelines, not shown separately. ⁵Includes privately owned streets and bridges, parking areas, sewer and water facilities, parks and playgrounds, golf courses, airfields, etc. ⁶Includes general administrative buildings, prisons, police and fire stations, courthouses, civic centers, passenger terminals, space facilities, postal facilities etc. ⁷Includes open amusement and recreational facilities, power generating facilities, transit systems, airfields, open parking facilities, etc.

Table 4. Monthly Value of New Construction Put in Place—Seasonally Adjusted Annual Rate in Current Dollars

[Millions of dollars]

Period		Total new construction	Private construction															All other private ⁵		
			Total ¹	Residential buildings					Nonresidential buildings								Public utilities ⁴			
				Total ²	Total	1 unit	2 units or more	Total	Industrial	Office	Hotels, motels	Other commercial	Religious	Educational	Hospital and institutional	Miscellaneous ³	Total		Telecommunications	
1994:	April	495,637	371,128	237,541	167,929	155,173	12,755	96,448	20,529	16,654	4,955	30,409	3,423	4,374	10,285	5,819	(NA)	10,193	2,625	
	May	501,164	374,843	239,891	169,655	155,992	13,663	97,618	20,425	16,975	4,472	31,555	3,831	4,250	10,425	5,685	(NA)	10,312	2,877	
	June	505,843	377,030	239,826	169,146	155,730	13,416	97,198	20,114	16,480	4,002	32,126	3,643	4,284	11,182	5,368	(NA)	10,826	3,018	
	July	509,585	378,383	240,524	169,972	156,190	13,782	96,153	20,192	16,557	3,539	31,918	3,745	4,292	10,651	5,259	(NA)	10,840	3,235	
	August	509,853	379,658	240,090	169,258	154,788	14,470	96,966	21,272	16,837	3,689	31,559	3,936	4,102	10,503	5,069	(NA)	11,036	3,028	
	September	518,324	384,460	242,215	170,627	153,814	16,812	99,947	21,935	17,611	3,715	33,127	3,628	4,117	10,409	5,405	(NA)	11,291	3,022	
	October	521,296	382,946	240,484	168,264	152,913	15,350	100,536	21,894	18,217	3,769	32,978	3,791	4,252	10,291	5,343	(NA)	11,521	2,897	
	November	520,183	387,052	242,447	169,300	152,948	16,352	105,507	25,060	19,025	4,292	32,983	3,626	4,542	10,513	5,466	(NA)	11,128	2,811	
	December	521,771	386,103	243,565	169,725	153,056	16,669	105,574	22,769	18,955	4,620	34,536	3,803	4,708	10,679	5,504	(NA)	11,219	2,741	
1995:	January	521,054	384,806	241,938	168,618	151,857	16,761	105,700	22,715	19,044	5,273	34,294	3,754	4,741	10,409	5,469	(NA)	11,635	2,684	
	February	521,429	383,652	240,207	167,150	149,968	17,182	106,739	23,370	18,768	5,643	34,919	3,948	4,858	10,289	4,944	(NA)	10,810	2,849	
	March	523,467	383,301	237,894	163,902	145,470	18,433	107,812	23,911	18,453	5,398	36,986	3,530	4,827	9,808	4,897	(NA)	10,888	3,011	
	April	522,094	382,220	234,109	159,759	141,513	18,245	108,950	24,707	19,011	5,284	36,000	3,728	5,156	9,963	5,101	(NA)	11,676	3,199	
	May	514,515	376,148	231,342	156,431	137,890	18,541	106,207	24,760	19,653	5,348	32,126	3,948	5,088	10,034	5,249	(NA)	11,234	3,192	
	June	518,934	377,486	228,388	153,175	135,621	17,554	109,328	24,416	19,821	6,044	35,599	3,967	4,951	9,471	5,058	(NA)	11,162	3,071	
	July	528,673	384,307	231,002	157,996	139,345	18,650	112,539	24,399	21,998	6,600	35,017	4,156	5,230	10,156	4,983	(NA)	11,554	2,892	
	August	528,397	385,653	233,982	161,300	142,871	18,430	111,223	24,202	20,359	7,297	35,350	3,904	4,988	9,822	5,301	(NA)	10,878	2,704	
	September	535,106	386,960	237,618	164,265	145,272	18,993	109,540	24,096	19,498	6,404	35,581	3,847	5,144	9,632	5,339	(NA)	10,919	2,665	
	October	534,488	388,882	237,741	165,563	146,885	18,678	113,319	24,964	18,935	7,336	37,537	4,180	4,944	9,641	5,782	(NA)	10,158	2,581	
	November	531,710	386,666	239,427	165,922	146,849	19,072	111,940	24,579	18,161	8,126	37,321	3,866	5,062	9,083	5,742	(NA)	10,016	2,590	
	December	535,143	390,266	241,950	166,992	146,434	20,558	114,772	24,153	19,702	8,990	37,894	3,678	5,025	9,278	6,052	(NA)	9,710	2,615	
1996:	January	540,566	392,738	241,565	166,739	146,698	20,041	116,067	25,125	17,789	10,246	38,396	3,958	5,001	9,382	6,170	(NA)	11,200	2,535	
	February ^f	531,344	390,450	242,029	168,620	148,946	19,674	113,254	23,746	17,543	9,769	37,758	3,897	4,687	9,106	6,748	(NA)	11,067	2,470	
	March ^f	544,012	397,832	247,877	175,817	155,012	20,805	114,647	23,458	17,371	9,716	39,253	3,923	5,176	8,899	6,851	(NA)	10,491	2,464	
	April ^g	551,744	403,479	251,332	178,002	155,711	22,290	116,960	23,370	18,512	10,438	39,124	4,353	5,065	9,100	6,998	(NA)	(NA)	2,364	
PERCENT CHANGE																				
	March 1996- April 1996	1	1	1	1	(Z)	7	2	(Z)	7	7	(Z)	11	-2	2	2	(NA)	(NA)	-4	

See footnotes at end of table.

Table 4. Monthly Value of New Construction Put in Place—Seasonally Adjusted Annual Rate in Current Dollars—Con.

[Millions of dollars]

Period		Public construction												
		Total	Buildings						Highways and streets	Military facilities	Conservation and development	Sewer systems	Water supply facilities	Miscellaneous public ⁷
			Total	Housing and redevelopment	Industrial	Educational	Hospital	Other public buildings ⁶						
1994:	April	124,510	50,247	4,748	1,356	22,939	3,519	17,685	38,921	2,017	5,826	11,006	5,742	10,750
	May	126,321	51,993	4,792	1,581	23,397	3,606	18,618	40,083	2,138	5,629	10,717	5,497	10,263
	June	128,814	52,117	4,606	1,379	22,562	3,897	19,672	39,540	2,331	5,559	11,418	5,830	12,019
	July	131,201	51,143	4,372	1,264	22,349	4,142	19,015	40,415	2,405	5,939	11,748	6,492	13,060
	August	130,195	51,123	4,582	1,495	22,117	3,532	19,396	40,137	2,364	5,775	11,521	6,269	13,005
	September	133,865	52,260	4,617	1,595	23,208	3,622	19,220	40,519	2,361	7,339	12,375	7,159	11,851
	October	138,349	56,051	4,990	1,461	25,295	3,732	20,574	40,992	2,344	7,197	11,248	7,373	13,144
	November	133,131	54,670	4,513	1,446	23,930	3,958	20,824	39,283	2,354	6,331	11,671	6,297	12,525
	December	135,668	56,033	5,038	1,462	23,445	4,283	21,804	38,464	2,784	7,466	12,375	6,265	12,280
1995:	January	136,248	57,208	5,189	1,639	24,815	4,115	21,450	38,574	2,925	6,681	11,260	7,016	12,585
	February	137,777	56,956	4,913	1,717	25,098	4,257	20,971	38,681	2,624	7,128	12,195	7,849	12,342
	March	140,166	58,154	4,999	1,601	26,079	4,272	21,203	40,667	3,048	7,139	11,603	6,383	13,173
	April	139,874	57,976	5,200	1,470	26,023	4,377	20,904	41,158	2,736	6,273	11,060	6,576	14,096
	May	138,367	58,398	5,008	1,500	25,149	4,470	22,270	38,657	2,442	5,531	12,029	6,489	14,820
	June	141,447	58,174	5,242	1,356	25,375	4,320	21,881	40,875	2,569	6,117	12,639	6,553	14,521
	July	144,366	58,007	5,342	1,492	25,421	4,306	21,445	44,274	3,124	6,603	11,966	7,083	13,309
	August	142,744	57,587	5,604	1,517	25,683	3,873	20,909	42,902	3,010	6,769	11,937	7,836	12,703
	September	148,146	60,730	5,431	1,727	27,377	4,545	21,650	42,942	3,090	6,469	12,683	7,061	15,172
	October	145,606	57,534	5,181	1,337	26,524	3,952	20,539	44,351	2,527	5,191	13,025	7,397	15,582
	November	145,044	57,626	4,971	1,405	26,460	4,510	20,279	43,361	3,195	6,048	12,903	7,665	14,247
	December	144,877	58,233	5,157	1,338	27,280	4,338	20,119	43,914	3,216	5,823	12,025	7,206	14,459
1996:	January	147,828	61,864	5,041	1,305	28,278	4,535	22,705	43,735	3,176	5,618	11,990	6,381	15,066
	February ^f	140,894	55,064	4,548	1,321	26,027	4,560	18,607	46,483	3,225	5,187	12,117	7,116	11,702
	March ^f	146,180	59,777	4,515	1,468	29,090	4,671	20,032	45,377	2,608	5,668	11,894	6,623	14,233
	April ^p	148,265	58,944	4,432	1,451	29,065	4,132	19,864	44,941	2,917	5,108	13,366	8,023	14,966
PERCENT CHANGE														
March 1996-														
April 1996	1	-1	-2	-1	(Z)	-12	-1	-1	12	-10	12	21	5	

NA Not available, but estimates are included in totals. ^pPreliminary. ^fRevised. ^Z Less than 0.5 percent.

¹Includes farm nonresidential and other private categories, not shown separately. ²Includes residential improvements, not shown separately. ³Includes amusement and recreational buildings, bus and airline terminals, animal hospitals and shelters, etc. ⁴Includes gas, electric, railroad, and petroleum pipelines, not shown separately. ⁵Includes privately owned streets and bridges, parking areas, sewer and water facilities, parks and playgrounds, golf courses, airfields, etc. ⁶Includes general administrative buildings, prisons, police and fire stations, courthouses, civic centers, passenger terminals, space facilities, postal facilities etc. ⁷Includes open amusement and recreational facilities, power generating facilities, transit systems, airfields, open parking facilities, etc.

Table 5. Monthly Value of New Construction Put in Place—Seasonally Adjusted Annual Rate in 1992 Dollars

[Millions of dollars]

Period	Total new construction	Private construction																All other private ⁵	
		Total ¹	Residential buildings					Nonresidential buildings									Public utilities ⁴		
			Total ²	New housing units			Total	Industrial	Office	Hotels, motels	Other commercial	Religious	Educational	Hospital and institutional	Miscellaneous ³	Total	Telecommunications		
				Total	1 unit	2 units or more													
1994: April	464,355	345,485	219,945	155,489	143,679	11,810	90,392	19,240	15,608	4,644	28,499	3,208	4,099	9,639	5,453	(NA)	9,915	2,536	
May	467,781	347,548	221,098	156,364	143,771	12,593	91,062	19,053	15,835	4,171	29,436	3,573	3,965	9,725	5,304	(NA)	10,061	2,774	
June	470,258	347,932	219,621	154,895	142,610	12,286	90,333	18,694	15,316	3,719	29,857	3,385	3,981	10,392	4,989	(NA)	10,593	2,907	
July	471,708	347,902	219,456	155,084	142,509	12,575	88,948	18,679	15,317	3,274	29,526	3,465	3,970	9,853	4,865	(NA)	10,597	3,092	
August	470,361	348,106	218,463	154,011	140,845	13,166	89,370	19,606	15,518	3,400	29,087	3,627	3,780	9,681	4,672	(NA)	10,777	2,878	
September	476,096	350,792	219,001	154,274	139,073	15,201	91,779	20,142	16,172	3,411	30,419	3,332	3,781	9,558	4,963	(NA)	11,038	2,867	
October	476,314	347,553	216,263	151,316	137,512	13,804	91,897	20,013	16,652	3,445	30,145	3,466	3,887	9,407	4,884	(NA)	11,186	2,733	
November	473,029	349,595	217,052	151,567	136,928	14,639	96,003	22,802	17,311	3,906	30,011	3,300	4,133	9,566	4,974	(NA)	10,731	2,642	
December	472,362	347,020	216,888	151,136	136,292	14,843	95,715	20,642	17,185	4,189	31,311	3,448	4,268	9,682	4,990	(NA)	10,767	2,569	
1995: January	470,715	345,290	215,056	149,882	134,984	14,899	95,743	20,575	17,250	4,776	31,064	3,401	4,294	9,429	4,954	(NA)	11,124	2,506	
February	470,902	344,103	213,328	148,446	133,187	15,259	96,772	21,188	17,016	5,116	31,658	3,579	4,405	9,329	4,482	(NA)	10,325	2,658	
March	471,500	343,108	210,899	145,303	128,962	16,341	97,479	21,619	16,685	4,881	33,442	3,192	4,365	8,868	4,428	(NA)	10,399	2,783	
April	469,272	341,478	207,176	141,379	125,233	16,146	98,330	22,298	17,158	4,769	32,491	3,365	4,653	8,992	4,604	(NA)	10,953	2,946	
May	462,297	336,058	204,909	138,557	122,135	16,423	95,855	22,347	17,737	4,826	28,995	3,564	4,592	9,056	4,737	(NA)	10,383	2,934	
June	464,442	336,358	202,114	135,553	120,019	15,535	98,316	21,957	17,825	5,435	32,014	3,567	4,452	8,517	4,549	(NA)	10,101	2,795	
July	471,339	341,148	203,705	139,326	122,880	16,447	100,841	21,863	19,712	5,914	31,377	3,724	4,686	9,100	4,465	(NA)	10,326	2,622	
August	470,369	341,546	205,608	141,740	125,545	16,195	99,573	21,667	18,226	6,533	31,647	3,495	4,466	8,793	4,746	(NA)	9,695	2,458	
September	474,437	341,241	207,890	143,714	127,097	16,617	97,717	21,495	17,393	5,713	31,741	3,431	4,589	8,592	4,763	(NA)	9,671	2,414	
October	472,970	342,402	207,816	144,723	128,396	16,327	100,728	22,190	16,831	6,521	33,367	3,716	4,395	8,570	5,139	(NA)	8,998	2,334	
November	471,028	341,043	209,840	145,418	128,702	16,715	99,591	21,867	16,158	7,229	33,203	3,439	4,503	8,081	5,109	(NA)	8,879	2,337	
December	473,716	343,961	211,865	146,228	128,226	18,002	102,019	21,469	17,513	7,991	33,684	3,269	4,467	8,247	5,380	(NA)	8,616	2,360	
1996: January	478,417	346,152	211,528	146,006	128,457	17,549	103,171	22,333	15,813	9,108	34,129	3,519	4,446	8,339	5,484	(NA)	9,938	2,284	
February	469,503	343,554	211,564	147,395	130,197	17,197	100,492	21,070	15,566	8,668	33,503	3,458	4,159	8,080	5,988	(NA)	9,820	2,223	
March	480,175	349,776	216,676	153,686	135,500	18,186	101,548	20,778	15,386	8,605	34,768	3,475	4,585	7,882	6,068	(NA)	9,284	2,212	
April	485,983	354,163	219,504	155,460	135,992	19,468	103,321	20,645	16,353	9,221	34,562	3,846	4,474	8,039	6,182	(NA)	(NA)	2,114	
PERCENT CHANGE																			
March 1996- April 1996	1	1	1	1	(Z)	7	2	-1	6	7	-1	11	-2	2	2	(NA)	(NA)	-4	

See footnotes at end of table.

Table 5. Monthly Value of New Construction Put in Place—Seasonally Adjusted Annual Rate in 1992 Dollars—Con.

[Millions of dollars]

Period	Public construction												
	Total	Buildings						Highways and streets	Military facilities	Conservation and development	Sewer systems	Water supply facilities	Miscellaneous public ⁷
		Total	Housing and redevelopment	Industrial	Educational	Hospital	Other public buildings ⁶						
1994: April	118,870	47,038	4,396	1,271	21,499	3,298	16,575	38,232	1,934	5,538	10,462	5,278	10,387
May	120,233	48,448	4,416	1,475	21,825	3,364	17,368	39,297	2,044	5,341	10,168	5,039	9,897
June	122,327	48,373	4,218	1,282	20,969	3,622	18,283	38,727	2,222	5,269	10,823	5,334	11,579
July	123,806	47,256	3,989	1,170	20,675	3,832	17,591	39,200	2,277	5,597	11,073	5,918	12,485
August	122,255	47,064	4,170	1,378	20,384	3,255	17,877	38,668	2,226	5,423	10,818	5,694	12,362
September	125,304	47,924	4,174	1,464	21,311	3,326	17,649	38,923	2,217	6,885	11,609	6,502	11,244
October	128,761	51,161	4,487	1,335	23,122	3,411	18,806	39,114	2,189	6,714	10,492	6,690	12,400
November	123,434	49,679	4,040	1,316	21,774	3,601	18,948	37,341	2,188	5,889	10,856	5,709	11,772
December	125,343	50,719	4,487	1,326	21,256	3,883	19,768	36,459	2,580	6,926	11,479	5,670	11,509
1995: January	125,425	51,731	4,612	1,484	22,478	3,727	19,430	36,254	2,699	6,197	10,445	6,349	11,750
February	126,799	51,547	4,363	1,557	22,754	3,860	19,013	36,253	2,419	6,625	11,333	7,110	11,513
March	128,393	52,492	4,431	1,447	23,580	3,863	19,171	38,006	2,801	6,525	10,606	5,787	12,175
April	127,794	52,233	4,602	1,327	23,487	3,951	18,867	38,322	2,508	5,718	10,082	5,951	12,980
May	126,239	52,622	4,435	1,354	22,698	4,035	20,100	35,893	2,237	5,037	10,956	5,873	13,621
June	128,083	52,240	4,639	1,220	22,819	3,885	19,677	37,534	2,333	5,511	11,386	5,866	13,213
July	130,191	51,901	4,711	1,337	22,779	3,858	19,216	40,359	2,822	5,949	10,780	6,313	12,066
August	128,823	51,462	4,924	1,358	22,993	3,467	18,719	39,144	2,722	6,131	10,813	7,003	11,548
September	133,196	54,081	4,752	1,541	24,422	4,054	19,313	39,003	2,781	5,844	11,457	6,288	13,742
October	130,568	51,065	4,529	1,188	23,577	3,513	18,257	40,101	2,267	4,689	11,766	6,592	14,088
November	129,986	51,202	4,357	1,250	23,541	4,012	18,042	39,099	2,863	5,464	11,656	6,844	12,858
December	129,755	51,694	4,516	1,190	24,249	3,856	17,884	39,562	2,879	5,260	10,863	6,446	13,050
1996: January	132,265	54,923	4,414	1,160	25,136	4,031	20,182	39,330	2,841	5,070	10,821	5,707	13,573
February ^f	125,949	48,799	3,975	1,172	23,094	4,046	16,511	41,764	2,879	4,677	10,926	6,371	10,533
March ^f	130,399	52,894	3,947	1,301	25,766	4,138	17,743	40,697	2,325	5,097	10,696	5,913	12,777
April ^p	131,820	52,026	3,871	1,281	25,676	3,650	17,548	40,126	2,590	4,577	11,976	7,137	13,386
PERCENT CHANGE													
March 1996-													
April 1996	1	-2	-2	-2	(Z)	-12	-1	-1	11	-10	12	21	5

NA Not available, but estimates are included in totals. ^pPreliminary. ^fRevised. ^Z Less than 0.5 percent.

¹Includes farm nonresidential and other private categories, not shown separately. ²Includes residential improvements, not shown separately. ³Includes amusement and recreational buildings, bus and airline terminals, animal hospitals and shelters, etc. ⁴Includes gas, electric, railroad, and petroleum pipelines, not shown separately. ⁵Includes privately owned streets and bridges, parking areas, sewer and water facilities, parks and playgrounds, golf courses, airfields, etc. ⁶Includes general administrative buildings, prisons, police and fire stations, courthouses, civic centers, passenger terminals, space facilities, postal facilities etc. ⁷Includes open amusement and recreational facilities, power generating facilities, transit systems, airfields, open parking facilities, etc.

Table 6. Monthly Value of New Construction Put in Place—Not Seasonally Adjusted in 1992 Dollars

[Millions of dollars]

Period	Total new construction	Private construction																All other private ⁵	
		Total ¹	Residential buildings					Nonresidential buildings									Public utilities ⁴		
			Total ²	New housing units			Total	Industrial	Office	Hotels, motels	Other commercial	Religious	Educational	Hospital and institutional	Miscellaneous ³	Total	Telecommunications		
				Total	1 unit	2 units or more													
YEAR TO DATE																			
April 1995	132,016	98,603	59,065	41,896	37,164	4,731	29,702	6,730	5,439	1,574	9,345	1,009	1,284	2,901	1,419	(NA)	3,132	812	
April 1996	135,554	101,177	60,661	43,825	38,305	5,520	31,576	6,719	5,076	2,931	10,036	1,075	1,296	2,587	1,855	(NA)	(NA)	659	
Percent change	3	3	3	5	3	17	6	(Z)	-7	86	7	7	1	-11	31	(NA)	(NA)	-19	
MONTHLY DATA																			
1994: April	36,255	27,536	17,449	12,265	11,315	951	7,307	1,555	1,306	396	2,230	247	318	786	469	(NA)	754	192	
May	40,172	29,910	19,254	13,271	12,197	1,075	7,742	1,616	1,347	388	2,509	281	340	824	437	(NA)	828	230	
June	43,442	31,769	20,566	14,045	12,930	1,115	7,817	1,597	1,290	318	2,645	277	392	878	421	(NA)	950	252	
July	43,586	31,949	20,833	14,433	13,325	1,109	7,616	1,543	1,262	253	2,665	281	390	811	410	(NA)	868	274	
August	46,240	33,046	21,240	14,618	13,392	1,226	8,019	1,693	1,353	284	2,722	335	376	833	424	(NA)	956	253	
September	45,614	32,578	20,507	14,525	13,177	1,348	8,400	1,762	1,435	312	2,943	317	351	826	453	(NA)	966	266	
October	44,016	31,977	20,157	13,966	12,754	1,211	8,143	1,758	1,403	286	2,778	326	327	830	435	(NA)	979	254	
November	41,079	30,497	18,906	13,427	12,187	1,241	8,211	1,904	1,505	324	2,581	302	325	832	438	(NA)	1,004	239	
December	36,099	26,812	16,093	11,446	10,279	1,168	7,744	1,837	1,369	328	2,411	292	309	799	399	(NA)	1,034	203	
1995: January	31,346	23,558	14,211	10,360	9,291	1,069	6,994	1,541	1,331	351	2,125	247	298	736	364	(NA)	766	193	
February	30,184	22,498	13,193	9,511	8,424	1,087	7,132	1,605	1,313	396	2,208	259	303	725	322	(NA)	690	187	
March	33,984	25,354	15,237	10,892	9,618	1,273	7,641	1,744	1,372	429	2,475	243	319	712	346	(NA)	851	207	
April	36,502	27,193	16,424	11,133	9,831	1,302	7,935	1,840	1,423	398	2,537	260	364	728	387	(NA)	825	225	
May	39,880	28,954	17,866	11,734	10,320	1,414	8,177	1,896	1,524	442	2,477	285	392	763	399	(NA)	856	244	
June	42,839	30,730	18,970	12,258	10,872	1,386	8,548	1,868	1,494	473	2,884	285	436	719	389	(NA)	907	244	
July	43,385	31,071	19,274	12,874	11,407	1,466	8,538	1,793	1,628	452	2,759	316	473	750	367	(NA)	853	235	
August	46,053	32,266	19,963	13,401	11,885	1,516	8,878	1,849	1,593	571	2,919	330	439	756	420	(NA)	857	214	
September	45,065	31,425	19,386	13,455	12,000	1,455	8,795	1,861	1,513	491	3,026	317	417	734	436	(NA)	822	219	
October	44,102	31,620	19,384	13,369	11,941	1,429	9,031	1,953	1,429	553	3,125	356	369	773	473	(NA)	823	218	
November	40,944	29,752	18,375	12,985	11,572	1,412	8,485	1,817	1,392	593	2,861	320	358	698	446	(NA)	812	212	
December	35,920	26,599	15,796	11,158	9,735	1,424	8,288	1,907	1,417	611	2,658	260	320	680	434	(NA)	767	187	
1996: January	32,133	23,817	14,098	10,227	8,971	1,256	7,544	1,686	1,216	681	2,338	259	307	653	404	(NA)	722	173	
February ^f	30,959	23,118	13,386	9,744	8,485	1,260	7,670	1,650	1,240	713	2,415	263	295	651	442	(NA)	702	159	
March ^f	34,129	25,730	15,690	11,517	10,106	1,411	7,860	1,673	1,230	737	2,547	250	336	616	471	(NA)	699	163	
April ^p	38,333	28,512	17,487	12,337	10,743	1,593	8,502	1,710	1,390	800	2,736	303	358	667	538	(NA)	(NA)	164	
PERCENT CHANGE																			
March 1996-April 1996	12	11	11	7	6	13	8	2	13	9	7	21	7	8	14	(NA)	(NA)	1	

See footnotes at end of table.

Table 6. Monthly Value of New Construction Put in Place—Not Seasonally Adjusted in 1992 Dollars—Con.

[Millions of dollars]

Period	Public construction												
	Total	Buildings						Highways and streets	Military facilities	Conservation and development	Sewer systems	Water supply facilities	Miscellaneous public ⁷
		Total	Housing and redevelopment	Industrial	Educational	Hospital	Other public buildings ⁶						
YEAR TO DATE													
April 1995	33,414	15,344	1,417	464	6,368	1,214	5,879	7,180	822	1,849	3,023	1,810	3,387
April 1996	34,376	15,578	1,281	401	7,046	1,285	5,566	7,932	845	1,456	3,175	1,812	3,580
Percent change	3	2	-10	-14	11	6	-5	10	3	-21	5	(Z)	6
MONTHLY DATA													
1994: April	8,719	3,654	357	113	1,557	278	1,348	2,409	162	453	797	406	840
May	10,262	4,030	374	113	1,759	280	1,504	3,497	176	461	810	435	853
June	11,673	4,383	371	112	1,945	316	1,638	4,141	190	475	970	486	1,029
July	11,637	4,362	330	100	2,140	325	1,467	3,998	194	480	955	533	1,115
August	13,194	4,652	340	111	2,325	282	1,595	5,008	196	514	1,053	514	1,257
September	13,036	4,449	368	153	2,023	300	1,605	4,661	241	824	1,136	586	1,139
October	12,039	4,316	401	102	1,954	285	1,575	4,387	142	457	986	654	1,096
November	10,582	4,162	357	108	1,762	298	1,637	3,252	182	476	973	496	1,042
December	9,287	4,000	379	114	1,566	331	1,609	2,270	225	540	925	451	877
1995: January	7,789	3,688	350	114	1,512	281	1,430	1,544	201	429	714	458	755
February	7,686	3,668	330	114	1,523	298	1,403	1,417	163	454	762	469	753
March	8,629	3,914	365	122	1,618	307	1,501	1,853	260	512	799	429	863
April	9,310	4,074	372	114	1,715	328	1,545	2,366	198	454	748	454	1,016
May	10,926	4,399	372	112	1,841	337	1,737	3,293	195	439	894	507	1,199
June	12,109	4,740	404	105	2,109	338	1,785	3,910	210	507	1,014	522	1,205
July	12,314	4,785	388	110	2,342	330	1,615	4,238	231	493	919	583	1,066
August	13,786	5,064	417	110	2,578	289	1,670	5,076	237	580	1,034	636	1,160
September	13,639	5,021	414	161	2,355	382	1,709	4,586	301	691	1,129	554	1,357
October	12,482	4,356	400	88	1,992	293	1,584	4,625	141	331	1,116	643	1,270
November	11,192	4,304	383	104	1,911	325	1,581	3,379	239	452	1,059	611	1,148
December	9,321	3,954	373	98	1,748	317	1,418	2,354	260	401	859	515	978
1996: January	8,316	3,959	345	92	1,730	317	1,475	1,714	222	358	766	406	891
February ^f	7,841	3,632	308	93	1,617	321	1,294	1,754	207	336	748	432	732
March ^f	8,399	3,903	311	110	1,795	335	1,352	1,862	209	388	764	414	860
April ^p	9,820	4,084	317	106	1,904	312	1,445	2,602	207	374	897	560	1,097
PERCENT CHANGE													
March 1996-													
April 1996	17	5	2	-4	6	-7	7	40	-1	-4	17	35	28

NA Not available, but estimates are included in totals. ^pPreliminary. ^fRevised. ^Z Less than 0.5 percent.

¹Includes farm nonresidential and other private categories, not shown separately. ²Includes residential improvements, not shown separately. ³Includes amusement and recreational buildings, bus and airline terminals, animal hospitals and shelters, etc. ⁴Includes gas, electric, railroad, and petroleum pipelines, not shown separately. ⁵Includes privately owned streets and bridges, parking areas, sewer and water facilities, parks and playgrounds, golf courses, airfields, etc. ⁶Includes general administrative buildings, prisons, police and fire stations, courthouses, civic centers, passenger terminals, space facilities, postal facilities etc. ⁷Includes open amusement and recreational facilities, power generating facilities, transit systems, airfields, open parking facilities, etc.

Table 7. Monthly Value of New Public Construction Put in Place—Not Seasonally Adjusted in Current Dollars

[Millions of dollars]

Period		State and locally owned public construction										
		Total State and local	Buildings					Highways and streets	Conservation and development	Sewer systems	Water supply facilities	Miscellaneous construction ²
			Total	Housing and redevelopment	Educational	Hospital	Other buildings ¹					
1994:	April	8,049	3,482	326	1,661	243	1,253	2,430	129	838	441	729
	May	9,674	3,947	379	1,884	250	1,435	3,536	134	854	475	728
	June	11,028	4,236	373	2,090	238	1,535	4,191	152	1,023	532	896
	July	11,163	4,331	325	2,311	259	1,436	4,088	182	1,013	584	964
	August	12,785	4,683	338	2,521	245	1,580	5,154	183	1,121	566	1,078
	September	12,194	4,345	367	2,198	250	1,529	4,812	206	1,211	646	976
	October	11,808	4,284	408	2,136	253	1,487	4,560	172	1,057	721	1,013
	November	10,180	4,109	367	1,931	248	1,563	3,392	168	1,046	547	918
	December	8,667	3,865	353	1,724	289	1,499	2,375	191	997	498	741
1995:	January	7,295	3,613	372	1,666	231	1,345	1,629	161	769	506	616
	February	7,247	3,581	336	1,674	246	1,325	1,499	165	820	517	665
	March	8,033	3,788	364	1,783	255	1,386	1,966	188	874	473	744
	April	8,994	4,070	396	1,899	287	1,489	2,520	191	820	501	892
	May	10,650	4,304	374	2,035	261	1,635	3,515	187	981	560	1,103
	June	12,043	4,767	414	2,343	286	1,725	4,219	209	1,126	583	1,139
	July	12,349	4,881	392	2,612	293	1,584	4,612	160	1,020	654	1,022
	August	13,859	5,167	422	2,878	244	1,623	5,516	199	1,141	712	1,124
	September	13,198	4,923	409	2,634	305	1,576	5,005	165	1,250	622	1,233
	October	13,005	4,541	402	2,239	276	1,624	5,073	165	1,235	722	1,269
	November	11,213	4,338	353	2,148	277	1,561	3,714	196	1,172	684	1,109
	December	9,167	3,978	372	1,963	268	1,374	2,588	148	951	575	926
1996:	January	8,115	3,966	334	1,946	290	1,397	1,890	131	848	454	826
	February ^f	7,634	3,617	295	1,822	257	1,243	1,936	134	830	482	634
	March ^f	8,202	3,907	297	2,026	274	1,309	2,055	144	849	464	783
	April ^p	9,870	4,165	304	2,155	276	1,430	2,886	161	1,001	629	1,027
		Federally owned public construction										
		Total Federal	Buildings					Highways and streets	Military facilities	Conservation and development	Miscellaneous construction ⁴	
			Total	Housing	Industrial	Educational	Hospital					Other buildings ³
1994:	April	1,099	421	60	121	1	53	186	(NA)	169	348	140
	May	1,101	378	27	122	2	50	178	(NA)	184	353	156
	June	1,244	487	32	121	3	103	228	(NA)	199	349	172
	July	1,157	389	37	108	2	93	150	(NA)	205	327	202
	August	1,231	370	36	120	2	62	150	(NA)	208	365	245
	September	1,701	507	39	166	5	76	220	(NA)	256	673	225
	October	1,101	446	38	112	1	59	236	(NA)	152	318	148
	November	1,229	471	31	119	5	80	236	(NA)	196	344	190
	December	1,402	554	72	126	3	77	276	(NA)	243	391	194
1995:	January	1,191	465	22	126	4	79	235	(NA)	218	302	193
	February	1,129	473	36	126	6	83	222	(NA)	177	324	143
	March	1,410	549	49	135	7	85	274	(NA)	283	372	190
	April	1,208	452	25	127	1	77	223	(NA)	216	307	212
	May	1,320	578	47	124	5	113	290	(NA)	213	295	201
	June	1,321	512	42	117	2	90	260	(NA)	232	354	185
	July	1,299	465	48	123	1	75	218	(NA)	256	387	154
	August	1,401	499	53	123	2	79	243	(NA)	262	441	152
	September	1,958	715	65	180	6	124	340	(NA)	334	599	266
	October	903	368	56	99	2	54	158	(NA)	157	201	135
	November	1,274	506	84	117	-	89	216	(NA)	267	304	164
	December	1,246	477	53	110	4	89	222	(NA)	290	296	158
1996:	January	1,188	494	60	103	1	67	263	(NA)	249	266	163
	February ^f	1,147	482	57	105	-	105	216	(NA)	232	238	180
	March ^f	1,221	505	58	125	1	104	217	(NA)	234	287	175
	April ^p	1,178	463	59	120	1	77	206	(NA)	233	256	199

- Represent zero or rounds to zero. NA Not available, but estimates are included in totals. ^pPreliminary. ^fRevised.

¹Includes general administrative buildings, prisons, police and fire stations, courthouses, passenger terminals, civic centers, etc. ²Includes open amusement and recreational facilities, power generating facilities, transit systems, airfields, open parking facilities, etc. ³Includes federal office buildings, prisons, courthouses, space facilities, postal facilities, etc. ⁴Includes federal airport facilities, fish and wildlife preservation facilities, VA cemeteries, etc.

Table 8. Monthly Value of New Public Construction Put in Place—Seasonally Adjusted Annual Rate in Current Dollars

[Millions of dollars]

Period		State and locally owned public construction										
		Total State and local	Buildings					Highways and streets	Conservation and development	Sewer systems	Water supply facilities	Miscellaneous construction ²
			Total	Housing and redevelopment	Educational	Hospital	Other buildings ¹					
1994:	April	111,477	45,521	4,072	22,931	2,919	15,599	38,563	1,597	11,006	5,742	9,047
	May	113,042	47,082	4,446	23,375	2,952	16,309	39,733	1,553	10,717	5,497	8,460
	June	114,841	46,562	4,236	22,529	2,722	17,075	39,194	1,715	11,418	5,830	10,121
	July	117,554	46,592	3,943	22,330	3,057	17,262	40,075	2,011	11,748	6,492	10,635
	August	116,163	46,522	4,138	22,093	2,766	17,524	39,798	1,749	11,521	6,269	10,303
	September	119,355	47,398	4,239	23,158	2,888	17,112	40,183	2,132	12,375	7,159	10,109
	October	121,929	50,212	4,496	25,279	2,960	17,477	40,657	1,808	11,248	7,373	10,630
	November	117,735	48,928	4,131	23,869	2,983	17,945	38,956	1,839	11,671	6,297	10,044
	December	118,757	49,608	4,204	23,408	3,395	18,601	38,149	2,531	12,375	6,265	9,828
1995:	January	120,271	51,151	4,897	24,767	3,090	18,397	38,264	2,601	11,260	7,016	9,981
	February	121,788	50,487	4,424	25,010	3,124	17,928	38,357	2,568	12,195	7,849	10,332
	March	123,633	51,623	4,419	25,995	3,262	17,947	40,324	2,765	11,603	6,383	10,935
	April	125,083	52,736	4,912	26,016	3,487	18,321	40,803	2,448	11,060	6,576	11,460
	May	122,868	51,425	4,444	25,095	3,114	18,772	38,306	2,119	12,029	6,489	12,500
	June	126,752	52,248	4,754	25,348	3,278	18,867	40,500	2,291	12,639	6,553	12,521
	July	128,512	52,364	4,757	25,404	3,396	18,806	43,919	1,783	11,966	7,083	11,397
	August	126,724	51,407	4,953	25,657	2,899	17,899	42,537	1,956	11,937	7,836	11,051
	September	131,025	53,879	4,813	27,320	3,355	18,391	42,566	1,755	12,683	7,061	13,080
	October	131,932	52,547	4,425	26,497	3,224	18,401	43,988	1,723	13,025	7,397	13,252
	November	129,398	51,553	3,963	26,458	3,443	17,690	42,977	2,151	12,903	7,665	12,149
	December	129,578	52,444	4,513	27,238	3,264	17,429	43,503	1,984	12,025	7,206	12,416
1996:	January	132,246	55,609	4,279	28,264	3,692	19,375	43,356	2,035	11,990	6,381	12,874
	February ^f	125,539	48,972	3,830	26,024	3,236	15,881	46,105	1,962	12,117	7,116	9,268
	March ^f	131,649	53,831	3,832	29,083	3,442	17,474	44,920	2,236	11,894	6,623	12,146
	April ^p	133,768	53,366	3,723	29,049	3,207	17,387	44,519	1,966	13,366	8,023	12,529
		Federally owned public construction										
		Total Federal	Buildings					Highways and streets	Military facilities	Conservation and development	Miscellaneous construction ⁴	
			Total	Housing	Industrial	Educational	Hospital					Other buildings ³
1994:	April	13,033	4,726	675	1,356	8	600	2,087	(NA)	2,017	4,229	1,704
	May	13,279	4,912	346	1,581	22	654	2,309	(NA)	2,138	4,076	1,802
	June	13,973	5,555	370	1,379	33	1,175	2,598	(NA)	2,331	3,843	1,898
	July	13,648	4,551	428	1,264	19	1,085	1,754	(NA)	2,405	3,928	2,425
	August	14,032	4,601	444	1,495	24	766	1,872	(NA)	2,364	4,026	2,702
	September	14,509	4,862	377	1,595	50	733	2,107	(NA)	2,361	5,208	1,742
	October	16,420	5,839	494	1,461	16	772	3,097	(NA)	2,344	5,389	2,514
	November	15,396	5,742	381	1,446	61	975	2,879	(NA)	2,354	4,492	2,481
	December	16,911	6,426	835	1,462	37	888	3,203	(NA)	2,784	4,935	2,452
1995:	January	15,976	6,057	292	1,639	48	1,026	3,053	(NA)	2,925	4,080	2,604
	February	15,989	6,469	488	1,717	88	1,133	3,043	(NA)	2,624	4,561	2,010
	March	16,533	6,530	579	1,601	84	1,010	3,256	(NA)	3,048	4,374	2,238
	April	14,791	5,239	289	1,470	7	890	2,583	(NA)	2,736	3,826	2,636
	May	15,499	6,973	563	1,500	54	1,357	3,499	(NA)	2,442	3,412	2,320
	June	14,695	5,926	488	1,356	27	1,041	3,014	(NA)	2,569	3,826	2,000
	July	15,854	5,643	585	1,492	17	910	2,639	(NA)	3,124	4,820	1,912
	August	16,021	6,180	651	1,517	26	975	3,011	(NA)	3,010	4,813	1,653
	September	17,122	6,850	618	1,727	57	1,189	3,259	(NA)	3,090	4,714	2,092
	October	13,675	4,987	757	1,337	27	728	2,138	(NA)	2,527	3,467	2,329
	November	15,646	6,072	1,008	1,405	2	1,067	2,590	(NA)	3,195	3,897	2,098
	December	15,299	5,789	644	1,338	42	1,074	2,690	(NA)	3,216	3,838	2,044
1996:	January	15,582	6,254	762	1,305	14	843	3,330	(NA)	3,176	3,582	2,191
	February ^f	15,355	6,092	718	1,321	3	1,324	2,726	(NA)	3,225	3,226	2,434
	March ^f	14,531	5,946	683	1,468	7	1,229	2,558	(NA)	2,608	3,433	2,088
	April ^p	14,497	5,578	710	1,451	16	925	2,477	(NA)	2,917	3,142	2,437

NA Not available, but estimates are included in totals. ^pPreliminary. ^fRevised.

¹Includes general administrative buildings, prisons, police and fire stations, courthouses, passenger terminals, civic centers, etc. ²Includes open amusement and recreational facilities, power generating facilities, transit systems, airfields, open parking facilities, etc. ³Includes federal office buildings, prisons, courthouses, space facilities, postal facilities, etc. ⁴Includes federal airport facilities, fish and wildlife preservation facilities, VA cemeteries, etc.

Table 9. Monthly Value of New Public Construction Put in Place—Seasonally Adjusted Annual Rate in 1992 Dollars

[Millions of dollars]

Period		State and locally owned public construction										
		Total State and local	Buildings					Highways and streets	Conservation and development	Sewer systems	Water supply facilities	Miscellaneous construction ²
			Total	Housing and redevelopment	Educational	Hospital	Other buildings ¹					
1994:	April	106,497	42,617	3,771	21,491	2,736	14,619	37,882	1,518	10,462	5,278	8,741
	May	107,662	43,870	4,097	21,805	2,754	15,214	38,954	1,474	10,168	5,039	8,159
	June	109,137	43,215	3,879	20,938	2,530	15,869	38,388	1,626	10,823	5,334	9,750
	July	110,975	43,051	3,598	20,657	2,828	15,968	38,871	1,895	11,073	5,918	10,167
	August	109,118	42,829	3,765	20,363	2,550	16,151	38,341	1,642	10,818	5,694	9,794
	September	111,766	43,464	3,833	21,266	2,652	15,714	38,600	2,000	11,609	6,502	9,591
	October	113,525	45,831	4,043	23,107	2,706	15,975	38,795	1,687	10,492	6,690	10,028
	November	109,206	44,460	3,699	21,719	2,714	16,328	37,030	1,711	10,856	5,709	9,440
	December	109,776	44,907	3,743	21,222	3,078	16,864	36,161	2,348	11,479	5,670	9,211
1995:	January	110,737	46,250	4,353	22,434	2,798	16,664	35,962	2,413	10,445	6,349	9,319
	February	112,106	45,691	3,929	22,675	2,833	16,254	35,948	2,387	11,333	7,110	9,638
	March	113,311	46,598	3,918	23,503	2,950	16,227	37,686	2,527	10,606	5,787	10,107
	April	114,319	47,510	4,347	23,481	3,147	16,535	37,992	2,231	10,082	5,951	10,553
	May	112,152	46,338	3,937	22,649	2,810	16,942	35,568	1,930	10,956	5,873	11,489
	June	114,818	46,918	4,207	22,795	2,948	16,967	37,191	2,064	11,386	5,866	11,393
	July	115,921	46,853	4,195	22,764	3,043	16,851	40,036	1,607	10,780	6,313	10,332
	August	114,385	45,941	4,352	22,970	2,595	16,024	38,811	1,772	10,813	7,003	10,046
	September	117,821	47,981	4,211	24,371	2,993	16,406	38,662	1,585	11,457	6,288	11,848
	October	118,312	46,643	3,868	23,553	2,866	16,357	39,772	1,557	11,766	6,592	11,982
	November	115,974	45,814	3,473	23,539	3,063	15,738	38,753	1,943	11,656	6,844	10,965
	December	116,055	46,557	3,952	24,211	2,901	15,493	39,191	1,793	10,863	6,446	11,205
1996:	January	118,327	49,374	3,747	25,123	3,282	17,222	38,989	1,837	10,821	5,707	11,598
	February ^f	112,234	43,403	3,348	23,092	2,872	14,092	41,424	1,769	10,926	6,371	8,342
	March ^f	117,445	47,635	3,350	25,760	3,049	15,477	40,287	2,010	10,696	5,913	10,903
	April ^p	118,937	47,106	3,251	25,662	2,833	15,360	39,749	1,762	11,976	7,137	11,207
		Federally owned public construction										
		Total Federal	Buildings					Highways and streets	Military facilities	Conservation and development	Miscellaneous construction ⁴	
			Total	Housing	Industrial	Educational	Hospital					Other buildings ³
1994:	April	12,372	4,421	625	1,271	7	562	1,955	(NA)	1,934	4,020	1,646
	May	12,571	4,578	319	1,475	21	610	2,154	(NA)	2,044	3,867	1,738
	June	13,190	5,157	339	1,282	31	1,092	2,414	(NA)	2,222	3,643	1,828
	July	12,831	4,204	391	1,170	17	1,004	1,622	(NA)	2,277	3,702	2,319
	August	13,137	4,235	404	1,378	22	706	1,726	(NA)	2,226	3,780	2,569
	September	13,538	4,460	341	1,464	46	673	1,935	(NA)	2,217	4,885	1,653
	October	15,236	5,330	444	1,335	14	705	2,831	(NA)	2,189	5,027	2,371
	November	14,228	5,219	341	1,316	55	887	2,619	(NA)	2,188	4,178	2,332
	December	15,566	5,812	743	1,326	34	805	2,904	(NA)	2,580	4,578	2,298
1995:	January	14,688	5,482	259	1,484	44	929	2,766	(NA)	2,699	3,785	2,431
	February	14,693	5,856	434	1,557	79	1,027	2,759	(NA)	2,419	4,238	1,875
	March	15,082	5,894	513	1,447	76	913	2,944	(NA)	2,801	3,998	2,068
	April	13,476	4,724	255	1,327	6	804	2,331	(NA)	2,508	3,487	2,427
	May	14,086	6,284	499	1,354	49	1,225	3,158	(NA)	2,237	3,107	2,133
	June	13,265	5,322	432	1,220	24	936	2,710	(NA)	2,333	3,447	1,820
	July	14,270	5,048	516	1,337	15	815	2,365	(NA)	2,822	4,342	1,733
	August	14,438	5,522	572	1,358	23	873	2,695	(NA)	2,722	4,360	1,502
	September	15,376	6,100	541	1,541	50	1,061	2,907	(NA)	2,781	4,259	1,895
	October	12,255	4,422	661	1,188	24	647	1,901	(NA)	2,267	3,132	2,106
	November	14,012	5,389	883	1,250	2	949	2,304	(NA)	2,863	3,520	1,893
	December	13,699	5,137	564	1,190	38	954	2,391	(NA)	2,879	3,467	1,844
1996:	January	13,938	5,549	667	1,160	12	749	2,960	(NA)	2,841	3,233	1,974
	February ^f	13,715	5,396	628	1,172	2	1,175	2,419	(NA)	2,879	2,909	2,191
	March ^f	12,954	5,259	597	1,301	6	1,089	2,266	(NA)	2,325	3,087	1,874
	April ^p	12,884	4,921	620	1,281	14	817	2,188	(NA)	2,590	2,816	2,180

NA Not available, but estimates are included in totals. ^pPreliminary. ^fRevised.

¹Includes general administrative buildings, prisons, police and fire stations, courthouses, passenger terminals, civic centers, etc. ²Includes open amusement and recreational facilities, power generating facilities, transit systems, airfields, open parking facilities, etc. ³Includes federal office buildings, prisons, courthouses, space facilities, postal facilities, etc. ⁴Includes federal airport facilities, fish and wildlife preservation facilities, VA cemeteries, etc.

Table 10. Monthly Value of New Public Construction Put in Place—Not Seasonally Adjusted in 1992 Dollars

[Millions of dollars]

Period		State and locally owned public construction										
		Total State and local	Buildings					Highways and streets	Conservation and development	Sewer systems	Water supply facilities	Miscellaneous construction ²
			Total	Housing and redevelopment	Educational	Hospital	Other buildings ¹					
1994:	April	7,676	3,260	302	1,556	228	1,174	2,387	122	797	406	704
	May	9,219	3,678	349	1,757	233	1,339	3,467	127	810	435	702
	June	10,498	3,931	342	1,942	221	1,427	4,104	144	970	486	863
	July	10,549	4,003	297	2,138	240	1,328	3,965	172	955	533	922
	August	12,040	4,312	307	2,323	225	1,456	4,965	172	1,053	514	1,024
	September	11,447	3,984	332	2,018	230	1,404	4,622	193	1,136	586	926
	October	11,018	3,910	367	1,953	231	1,359	4,352	161	986	654	956
	November	9,446	3,733	329	1,757	225	1,422	3,225	156	973	496	863
	December	7,997	3,498	314	1,563	262	1,359	2,251	177	925	451	695
1995:	January	6,694	3,266	330	1,509	209	1,218	1,531	149	714	458	575
	February	6,649	3,240	298	1,517	223	1,201	1,405	154	762	469	620
	March	7,343	3,418	322	1,612	231	1,254	1,837	172	799	429	687
	April	8,209	3,667	350	1,714	259	1,344	2,346	174	748	454	821
	May	9,726	3,878	331	1,836	235	1,475	3,263	170	894	507	1,014
	June	10,916	4,281	366	2,107	257	1,551	3,874	188	1,014	522	1,037
	July	11,145	4,368	345	2,341	262	1,420	4,204	144	919	583	926
	August	12,523	4,619	371	2,576	219	1,453	5,032	180	1,034	636	1,022
	September	11,880	4,384	358	2,350	272	1,405	4,546	149	1,129	554	1,117
	October	11,673	4,030	351	1,990	245	1,443	4,587	149	1,116	643	1,147
	November	10,051	3,855	309	1,911	246	1,389	3,349	177	1,059	611	1,001
	December	8,206	3,531	326	1,745	238	1,221	2,332	134	859	515	836
1996:	January	7,254	3,521	293	1,729	258	1,241	1,699	118	766	406	744
	February ^r	6,817	3,205	258	1,616	228	1,103	1,740	121	748	432	571
	March ^f	7,311	3,457	260	1,795	243	1,160	1,843	130	764	414	703
	April ^p	8,773	3,676	265	1,903	244	1,263	2,577	144	897	560	919
		Federally owned public construction										
		Total Federal	Buildings					Highways and streets	Military facilities	Conservation and development	Miscellaneous construction ⁴	
			Total	Housing	Industrial	Educational	Hospital					Other buildings ³
1994:	April	1,043	394	56	113	1	50	174	(NA)	162	330	135
	May	1,043	352	25	113	2	47	166	(NA)	176	335	150
	June	1,175	452	30	112	3	96	211	(NA)	190	331	166
	July	1,088	359	33	100	1	86	139	(NA)	194	308	193
	August	1,154	340	32	111	2	57	139	(NA)	196	342	233
	September	1,589	465	36	153	5	70	202	(NA)	241	631	214
	October	1,020	407	34	102	1	54	216	(NA)	142	296	140
	November	1,136	428	28	108	5	73	215	(NA)	182	320	179
	December	1,290	501	64	114	3	69	250	(NA)	225	363	182
1995:	January	1,094	421	20	114	3	71	213	(NA)	201	280	180
	February	1,037	428	32	114	6	75	202	(NA)	163	301	133
	March	1,287	496	43	122	6	77	248	(NA)	260	340	176
	April	1,100	407	22	114	1	69	201	(NA)	198	280	195
	May	1,200	521	41	112	4	102	262	(NA)	195	269	185
	June	1,193	459	37	105	2	81	234	(NA)	210	319	168
	July	1,169	416	43	110	1	67	195	(NA)	231	349	139
	August	1,263	446	46	110	2	70	218	(NA)	237	400	138
	September	1,759	636	56	161	5	111	303	(NA)	301	541	241
	October	809	326	49	88	2	48	140	(NA)	141	182	122
	November	1,141	449	74	104	-	79	192	(NA)	239	275	148
	December	1,115	423	46	98	3	79	197	(NA)	260	268	142
1996:	January	1,062	438	53	92	1	59	234	(NA)	222	240	147
	February ^r	1,024	427	50	93	-	93	191	(NA)	207	215	162
	March ^f	1,089	447	51	110	1	92	192	(NA)	209	258	157
	April ^p	1,047	408	51	106	1	68	182	(NA)	207	229	178

- Represent zero or rounds to zero. NA Not available, but estimates are included in totals. ^pPreliminary. ^rRevised.

¹Includes general administrative buildings, prisons, police and fire stations, courthouses, passenger terminals, civic centers, etc. ²Includes open amusement and recreational facilities, power generating facilities, transit systems, airfields, open parking facilities, etc. ³Includes federal office buildings, prisons, courthouses, space facilities, postal facilities, etc. ⁴Includes federal airport facilities, fish and wildlife preservation facilities, VA cemeteries, etc.

Table 11. Indexes Used in Deriving Estimates of the Value of New Construction Put in Place in Constant Dollars

[1992 = 100]

Period	Bureau of the Census		Engineering News-Record		Bureau of the Census Houses Under Construction		Federal Highway Administration composite	Bureau of Reclamation	Turner Construction Company	Handy-Whitman public utility				C.A. Turner telephone plant
	Composite fixed-weighted	Implicit price deflator	Buildings	Construction	Fixed-weighted	Price deflator				Buildings	Electric	Gas	Water	
Annual indexes														
1991.....	99.3	99.3	97.1	97.0	98.9	99.0	102.3	99	100	98	99	98	98	100
1992.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100	100	100	100	100	100	100
1993.....	103.7	103.7	105.7	104.5	104.9	104.8	103.0	103	102	105	103	103	104	102
1994.....	107.9	108.1	109.8	108.5	109.4	109.5	109.5	106	105	112	107	108	109	103
1995.....	112.1	112.0	109.8	109.8	113.7	113.4	116.5	110	109	114	110	111	111	109
Monthly indexes							Quarterly indexes			Semiannual indexes				
1994: January	106.1	106.2	108.4	107.0	107.6	107.5								
February	106.3	106.5	109.6	107.7	107.8	107.9	107.2	105	104					
March.....	106.5	106.7	110.0	107.9	108.0	108.0				108	105	108	107	102
April.....	106.6	106.8	110.4	108.4	107.9	108.0								
May.....	107.1	107.1	110.3	108.4	108.5	108.5	106.2	105	105					
June.....	107.5	107.5	109.9	108.5	109.1	109.2								
July.....	107.9	108.0	109.7	108.5	109.5	109.6								
August.....	108.3	108.3	109.7	108.8	109.8	109.9	115.5	106	106					
September	108.8	108.8	110.0	109.1	110.5	110.6				112	107	108	110	102
October.....	109.2	109.4	110.0	109.1	110.9	111.2								
November.....	109.8	110.0	109.7	109.1	111.6	111.7	110.8	107	107					
December.....	110.5	110.5	109.8	109.1	112.4	112.3								
1995: January	110.9	110.8	109.8	109.2	112.8	112.5								
February	111.1	110.8	109.8	109.2	113.0	112.6	114.9	108	108					
March.....	111.2	111.1	109.5	109.0	113.1	112.8				114	108	110	110	104
April.....	111.4	111.3	109.4	109.0	113.3	113.0								
May.....	111.4	111.3	109.3	109.0	113.1	112.9	115.3	110	109					
June.....	111.9	111.7	109.2	109.0	113.2	113.0								
July.....	112.4	112.2	109.9	110.0	113.8	113.4								
August.....	112.5	112.3	110.1	110.5	114.1	113.8	114.1	111	109					
September	112.9	112.7	109.7	110.2	114.5	114.3				114	110	111	112	110
October.....	113.1	113.0	110.0	110.6	114.6	114.4								
November.....	113.0	112.9	110.5	110.7	114.3	114.1	118.7	111	110					
December.....	113.1	113.0	110.4	110.8	114.5	114.2								
1996: January	113.2	113.0	110.3	110.8	114.6	114.2								
February	^r 113.3	^r 113.2	110.5	111.0	^r 114.8	^r 114.4	(NA)	111	111					
March.....	^r 113.3	^r 113.4	110.7	111.1	^r 114.5	^r 114.4				114	111	111	112	113
April.....	^p 113.4	^p 113.6	111.1	111.3	^p 114.3	^p 114.5								
May.....			111.5	111.8			(NA)	(NA)	(NA)					

NA Not Available. ^pPreliminary. ^rRevised.

Table 12. Factors Used to Seasonally Adjust Estimates of the Value of New Construction Put in Place

[Percent]

Type of construction	Apr. 1996 ^P	Mar. 1996 ^r	Feb. 1996 ^r	Jan. 1996	Dec. 1995	Nov. 1995	Oct. 1995	Sep. 1995	Aug. 1995	July 1995	June 1995	Apr. 1995
PRIVATE CONSTRUCTION												
Residential buildings:												
New housing units:												
1 unit	94.8	89.5	78.2	83.8	91.1	107.9	111.6	113.3	113.6	111.4	108.7	94.2
2 units or more	98.2	93.1	87.9	85.9	94.9	101.4	105.0	105.1	112.3	107.0	107.1	96.8
Nonresidential buildings:												
Industrial	99.4	96.6	94.0	90.6	106.6	99.7	105.6	103.9	102.4	98.4	102.1	99.0
Office	102.0	95.9	95.6	92.3	97.1	103.4	101.9	104.4	104.9	99.1	100.6	99.5
Hotels, motels	104.1	102.8	98.7	89.7	91.7	98.5	101.7	103.1	104.9	91.8	104.4	100.2
Other commercial	95.0	87.9	86.5	82.2	94.7	103.4	112.4	114.4	110.7	105.5	108.1	93.7
Religious	94.6	86.5	91.4	88.4	95.5	111.6	115.0	110.9	113.2	101.9	95.8	92.7
Educational	96.0	88.0	85.1	82.9	85.9	95.4	100.8	109.1	118.1	121.1	117.6	93.8
Hospital and institutional	99.6	93.8	96.7	94.0	99.0	103.6	108.2	102.5	103.2	98.9	101.3	97.1
Miscellaneous nonresidential	104.4	93.2	88.5	88.3	96.9	104.8	110.5	109.8	106.1	98.6	102.6	100.8
Telecommunications	96.3	90.4	85.8	87.2	106.8	109.7	109.8	102.0	106.1	99.1	107.7	90.4
All other private	92.9	88.5	85.8	90.7	94.9	108.8	111.9	109.1	104.3	107.7	104.9	91.6
PUBLIC CONSTRUCTION												
State and local												
Buildings:												
Housing and redevelopment	97.9	93.1	92.5	93.7	99.0	106.8	109.0	101.9	102.2	98.8	104.5	96.7
Educational	89.0	83.6	84.0	82.6	86.5	97.4	101.4	115.7	134.6	123.4	110.9	87.6
Hospital	103.4	95.6	95.4	94.2	98.6	96.4	102.7	108.9	101.1	103.5	104.5	98.7
Other buildings	98.7	89.9	93.9	86.5	94.6	105.9	105.9	102.8	108.8	101.1	109.7	97.5
Highways and streets	77.8	54.9	50.4	52.3	71.4	103.7	138.4	141.1	155.6	126.0	125.0	74.1
Conservation and development	98.4	77.4	82.1	77.0	89.5	109.5	114.9	113.1	122.1	107.6	109.2	93.4
Sewer systems	89.9	85.7	82.2	84.9	94.9	109.0	113.8	118.3	114.7	102.3	106.9	89.0
Water supply facilities	94.1	84.0	81.3	85.4	95.8	107.1	117.1	105.7	109.0	110.8	106.8	91.5
Miscellaneous construction	98.4	77.4	82.1	77.0	89.5	109.5	114.9	113.1	122.1	107.6	109.2	93.4
Federal												
Buildings:												
Housing and redevelopment	99.6	101.9	94.9	94.8	98.9	100.0	88.5	125.2	96.9	98.9	103.6	103.5
Industrial	99.6	101.9	94.9	94.8	98.9	100.0	88.5	125.2	96.9	98.9	103.6	103.5
Educational	99.6	101.9	94.9	94.8	98.9	100.0	88.5	125.2	96.9	98.9	103.6	103.5
Hospital	99.6	101.9	94.9	94.8	98.9	100.0	88.5	125.2	96.9	98.9	103.6	103.5
Other buildings	99.6	101.9	94.9	94.8	98.9	100.0	88.5	125.2	96.9	98.9	103.6	103.5
Military	95.9	107.8	86.3	93.9	108.2	100.2	74.5	129.8	104.4	98.3	108.2	94.7
Conservation and development	97.8	100.3	88.5	89.1	92.6	93.7	69.7	152.5	110.0	96.4	111.0	96.3
Miscellaneous construction	97.8	100.3	88.5	89.1	92.6	93.7	69.7	152.5	110.0	96.4	111.0	96.3

^PPreliminary. ^rRevised.

Appendix.

Reliability of the Estimates

The statistics on the value of new construction put in place result from direct measurement and indirect estimation. A series results from direct measurement when it is based on reports of the actual value of construction progress or construction expenditures obtained from a complete census or sample survey. All other series are developed by indirect estimation using related construction statistics.

On an annual basis, the estimates for series directly measured monthly, quarterly, or annually accounted for about 69 percent of total new construction in 1994 (private multifamily residential, private residential improvements, private nonresidential buildings, farm nonresidential construction, public utility construction, and virtually all of public construction). On a monthly basis, directly measured data are available for about 50 percent of the value-in-place estimates.

Some of the directly measured monthly construction value-in-place estimates are based on samples. Estimates from these samples may differ from statistics which would have been obtained from a complete census using the same schedules and procedures. An estimate based on a sample survey is subject to both sampling error and nonsampling error. The accuracy of a survey result is determined by the joint effects of these errors.

MEASURE OF SAMPLING ERRORS

Sampling error reflects the fact that only a particular sample was surveyed rather than the entire population. Each sample selected for the monthly value-in-place survey is one of a large number of similar probability samples that, by chance, might have been selected under the same specifications. Estimates derived from the different samples would differ from one another. The standard error, or sampling error, of a survey estimate is a measure of the variation among the estimates from all possible samples and, thus, is a measure of the precision with which an estimate from a particular sample approximates the average from all possible samples.

Estimates of the standard errors for the monthly, year-to-date and annual estimates were computed from the sample data for selected statistics in this report. They are presented in the form of relative standard errors in the following table. The relative standard error equals the standard error divided by the estimated value to which it refers.

The sample estimate and an estimate of its standard error allow us to construct interval estimates with prescribed confidence that the interval includes the average result of all possible samples with the same size and design. A 90-percent confidence interval is defined to be from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate. If all possible samples were selected and surveyed under essentially the same conditions and all the respective 90-percent confidence intervals were generated, then approximately nine-tenths of the intervals would include the average value of all sample estimates and approximately one-tenth would not include this estimate. For example, suppose table 3 of this report showed that the monthly VIP estimate for "total private nonresidential buildings" was \$7.5 billion in a particular month. According to the following table, the relative standard error of this estimate is 2 percent. Multiplying \$7.5 billion by .02, we obtain \$150 million as the standard error. To obtain a 90-percent confidence interval, multiply \$150 million by 1.6 and add and subtract the result from \$7.5 billion, yielding limits of \$7.26 billion and \$7.74 billion. The average value of the monthly VIP estimate for "total private nonresidential buildings" may or may not be contained in this computed interval, but one can say that the average is included in the constructed interval with a specified confidence of 90-percent.

The following table also presents coefficients necessary to compute standard errors for the month-to-month and year-to-date changes. To derive a specific standard error of a change, look up an appropriate coefficient (k_1 or k_2) for the change and apply the following formula:

$$\text{Standard error of a change} = k (100 + (\% \text{ change shown in tables 3 thru 6}))$$

Once the standard error is available, one can construct a 90-percent confidence interval of the change by multiplying the standard error by 1.6.

No standard errors are shown for farm nonresidential or public utilities because the estimates are based on a complete enumeration. An error for "all other private" is not provided because the statistics are derived by indirect estimation.

NONSAMPLING ERRORS

As calculated for this report, the coefficient of variation estimates sampling variation but does not measure all nonsampling error in the data. Nonsampling error

consists of both a variance component and a bias component. Bias is the difference, averaged over all possible samples of the same size and design, between the estimate and the true value being estimated. Non-sampling errors are usually attributed to many possible sources: (1) coverage error failure to accurately represent all population units in the sample, (2) inability to obtain information about all sample cases, (3) response errors, possibly due to definitional difficulties or misreporting, (4) mistakes in recording or coding the data obtained, and (5) other errors of coverage, collection and nonresponse, response, processing, or imputing for missing or inconsistent data. These nonsampling errors also occur in complete censuses. Although no direct measures of these errors have been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data to minimize their influence.

A major source of nonsampling error in the published estimates is due to the need to impute data for nonrespondents and for late and inconsistent reports. For preliminary value-in-place estimates, the average imputation rates for major components are as follows: private nonresidential construction, 39 percent; State and locally owned public construction, 27 percent; private residential construction of 2 units or more, 39 percent; and private residential improvements, 13 percent. Each of these imputation rates is not an explicit indication of the potential error in statistics, but the degree of uncertainty regarding the accuracy of the statistics increases as the percentage of imputation increases.

Other potential sources of bias are the upward adjustment of 28 percent made to the private nonresidential construction and the adjustment of the State and local owned public construction to the construction outlays from the Annual Survey of Government Finances in order to account for construction projects not included in their respective sampling frames. The adjustment for the nonresidential construction results from a coverage evaluation sample; hence, the estimated percentage adjustment is subject to sampling error and nonsampling errors associated with the evaluation study. In addition, the percentage was estimated from data collected during a limited time period; therefore, these adjustments do not reflect any recent changes in the proportion of projects not included in the frame.

For State and locally owned construction, construction outlays from the Survey of Government Finances are available only through Fiscal Year 1992. (Outlays are included if a government agency's fiscal year ending

date falls within July 1991 to June 1992 inclusive, and for three State agencies with fiscal years ending in August or September 1992.) As a result, the adjustment to the construction outlay levels of this survey must be projected ahead for 4 years from 1992 through April 1996. The relationship between the State and locally owned value-in-place and the capital outlays estimate changes from year to year so that revisions of 4 to 5 percent are expected in State and local construction and substantially larger revisions can be expected in the individual types of construction. In addition, because of the definition of fiscal year for the Survey of Government Finances, the reported capital outlays do not correspond to any 12 month period but result from capital outlays made over a 26 month period. There are also definitional and timing differences between the concepts of capital outlays and value put in place.

Consequently, even though the private nonresidential and State and local owned construction adjustments are designed to reduce the bias due to the failure to include projects in the sampling frames, for the above stated reasons, these adjustment procedures, themselves, may introduce a bias in the current estimates of value-in-place.

Furthermore, additional nonsampling errors may be introduced into the estimates because the procedures such as phasing, extrapolating, and forecasting used to develop the indirectly measured series are subject to the validity of the underlying assumptions made and mathematical models used. No explicit measures of the effect of these procedures are available.

MONTHLY REVISIONS TO ESTIMATES

Statistics for the current month are preliminary estimates. These estimates are released to provide government and private data users with early measures of construction activity. A necessary part of the process of issuing these early data involves the issuance of subsequent revisions. The revisions to monthly construction put in place estimates are primarily the result of the replacement of imputed data with data which are reported in subsequent months.

For total new construction, the range of the difference between the last 12 preliminary and second revision estimates for the same months was from -1.6 percent to 0.6 percent with a median of -0.1 percent. The range of the difference between first revision and second revision was from -1.9 to 0.5 percent, with a median of 0.0 percent.

Relative Standard Errors and Coefficients for Standard Errors of Changes

Type of construction	Relative standard error (percent)			Coefficient for changes	
	Monthly estimate	Year-to-date estimate	Annual estimate	Month-to-month change (k1)	Year-to-date change (k2)
Total new construction	2	2	1	.03	.03
Private construction	3	2	1	.04	.03
Residential buildings	5	4	2	.06	.05
New housing units	2	2	1	.01	.02
1 unit structures	2	2	2	.01	.02
2 units or more	4	4	3	.03	.04
Nonresidential buildings	2	2	1	.02	.03
Industrial	3	3	2	.04	.04
Office	4	3	2	.05	.04
Hotels, motels	7	6	5	.09	.08
Other commercial	5	3	2	.06	.04
Religious	9	8	5	.12	.11
Educational	7	6	5	.10	.09
Hospital and institutional	6	6	5	.07	.08
Miscellaneous buildings	7	6	4	.09	.09
Public construction	2	1	1	.03	.01
Housing and redevelopment	8	5	4	.11	.07
Industrial	(NA)	(NA)	(NA)	(NA)	(NA)
Educational	3	3	2	.04	.04
Hospital	6	6	4	.08	.09
Other public buildings	3	2	2	.04	.03
Highways and streets	4	3	2	.05	.04
Military facilities	(NA)	(NA)	(NA)	(NA)	(NA)
Conservation and development	4	3	2	.06	.04
Sewer systems	6	4	3	.08	.06
Water supply facilities	8	5	3	.11	.07
Miscellaneous public	8	5	4	.11	.07
State and local construction	2	1	1	.03	.01
Housing and redevelopment	8	5	5	.11	.07
Educational	3	3	2	.04	.04
Hospital	8	7	5	.11	.10
Other public buildings	4	3	2	.05	.04
Highways and streets	4	3	2	.05	.04
Conservation and development	16	11	9	.23	.16
Sewer systems	6	4	3	.08	.06
Water supply facilities	8	5	3	.11	.07
Miscellaneous public	9	6	4	.12	.09
Federal construction	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available, but estimates are included in totals.

Note: All statistics are based upon 1995 data. The coefficient (k1) for the month-to-month change is applicable to change from the previous month and change from the same month a year ago.