

Current Construction Reports  
C30/96-5

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# Value of New Construction Put in Place: May 1996

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U.S. Department of Commerce  
Economics and Statistics Administration  
BUREAU OF THE CENSUS

## Acknowledgments

This report was developed in the Bureau of the Census' Manufacturing and Construction Division. It was prepared under the general direction of **George Roff**, Chief, Construction Progress Branch. **Mike Davis, Sherrita Powell, Joe Huesman, Delsey Newman, Linda Mersch, Edna Free,** and **Brenda Jordan** performed specific activities related to the development, presentation and review of the data.

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# Value of New Construction Put in Place: May 1996

Issued July 1996



**U.S. Department of Commerce**  
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**Economics and Statistics Administration**  
**Everett M. Ehrlich**, Under Secretary  
for Economic Affairs

**BUREAU OF THE CENSUS**  
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## Introduction

### ANNUAL DATA BACK TO 1964 AND MONTHLY DATA BACK TO 1993 ARE SHOWN IN THIS REPORT

New construction put in place during May 1996 was estimated at a seasonally adjusted annual rate of \$563.4 billion, 1(±5) percent below the revised April estimate of \$568.3 billion. The May figure represents a 4(±5) percent increase over May 1995.

In constant (1992) dollars, the May annual rate was \$493.5 billion, 1(±5) percent below the revised estimate of \$498.6 billion for April.

Analysis (BEA) in the national income and product accounts. This price index is used in the deflation of the value-in-place estimates.

Annual statistics reflecting all revisions are shown in tables 1 and 2. Monthly estimates for January 1993 through May 1996 are presented in tables 3-10. Monthly data back to 1964 are available upon request.

### DESCRIPTION OF CURRENT REVISIONS

In each May report, unadjusted value-in-place estimates are revised to incorporate additional data not previously available. Seasonally adjusted statistics are also revised using newly computed seasonal factors. The revised factors for January 1980-December 1995 were computed using data through April 1996. The revised factors for January-May 1996 were computed using data through May 1996. See Appendix D, Adjustments for Seasonal Variations and Cost Changes.

In addition to these normal revisions, the following changes have been made to the series beginning with this report:

1. Estimates of private nonresidential buildings have been revised back to 1964 to incorporate improved estimating methodologies:

The category "industrial buildings" has been benchmarked to data from the Census Bureau's 1992 and 1994 Annual Capital Expenditures Surveys.

The other private nonresidential building categories have been revised to incorporate improved weighting procedures. The effect of these changes raises the level of expenditures on private nonresidential buildings from about \$110 billion to about \$134 billion in 1995. However, the month-to-month trend of the series is virtually unchanged.

2. The monthly price index for single-family houses under construction has been changed from a Paasche index to a Fisher ideal chain-weighted index. There is little effect on the index series from this change. The Fisher ideal index is consistent with the type of index now featured by the Bureau of Economic

### RELATIONSHIP OF VALUE OF NEW CONSTRUCTION PUT IN PLACE TO STRUCTURES IN GDP

The estimates shown in this report differ from the estimates of structures components of the gross domestic product (GDP) as developed by the Bureau of Economic Analysis (BEA), because of differences in coverage, estimation procedures, and classification.

#### Coverage Differences

GDP estimates of the structures components of gross private domestic fixed investment exclude the imputed interest amount of the allowances for funds used during construction of public utility plants; these amounts are included in the value-in-place estimates. In addition, GDP estimates include the following items not included in the value-in-place series:

1. Expenditures on new mobile homes.
2. Expenditures for petroleum and natural gas well drilling and exploration.
3. Expenditures for construction of mine shafts and mining exploration.
4. Brokers' commissions on the sale of new and existing structures.
5. Net value of purchases of used structures from the public sector by the private sector.
6. Expenditures for Federal Government structures located outside the United States.

## Estimation Procedures Differences

Effective with the January 1996 comprehensive revision of the national income and product accounts (NIPA's), the estimates of the structures components of GDP for 1992 are estimated as follows:<sup>1</sup>

### Private Structures

Estimates of residential structures are the value-in-place estimates.

Estimates of all components of nonresidential buildings, except industrial buildings, are prepared by BEA as the sum of "new" structures from the value-in-place estimates plus "improvements to existing structures" estimates based on the Department of Energy's Commercial Buildings Energy Consumption Survey. The estimate of industrial buildings is prepared by BEA based on the Census Bureau's Annual Capital Expenditures Survey.

Estimates of utility structures are the value-in-place estimates, adjusted by BEA to exclude the imputed interest amount of the allowances for funds used during construction.

The estimate of farm structures is the value-in-place estimate.

The estimate of all other private nonresidential structures is prepared by BEA as an extrapolation of a 1982 benchmark estimate using the corresponding value-in-place series.

### Government Structures

Estimates of State and local structures are the value-in-place estimates.

Estimates of all components of Federal structures are the value-in-place estimates except housing and military facilities; these two estimates are prepared by BEA from Department of Defense data.

<sup>1</sup>For additional information, see the January/February 1996 *Survey of Current Business*, page 5 and tables 5.6 and 5.14.

## Residential Improvements

In the current quarterly estimate of GDP, Construction Expenditures Survey (CES) estimates of residential improvements are not usually available. Consequently, BEA projects estimates for the current quarter and replaces the projections with the CES estimates in the annual NIPA revision.

### Classification Differences

BEA classifies dormitories, fraternity and sorority houses, etc. as private residential structures. They are classified in the educational component of private nonresidential buildings in the value-in-place series.

BEA classifies Federal Government expenditures for military family housing in the defense purchases component of GDP. These expenditures are classified in the housing component of the value-in-place series. BEA separates atomic energy related construction and hospital construction into the defense and nondefense components; they are not separated in the value-in-place series.

BEA classifies Federal Government expenditures on structures by the Coast Guard in the nondefense purchases component of GDP. These expenditures are classified in the military facilities component of the value-in-place series.

## 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 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 1915-1963.

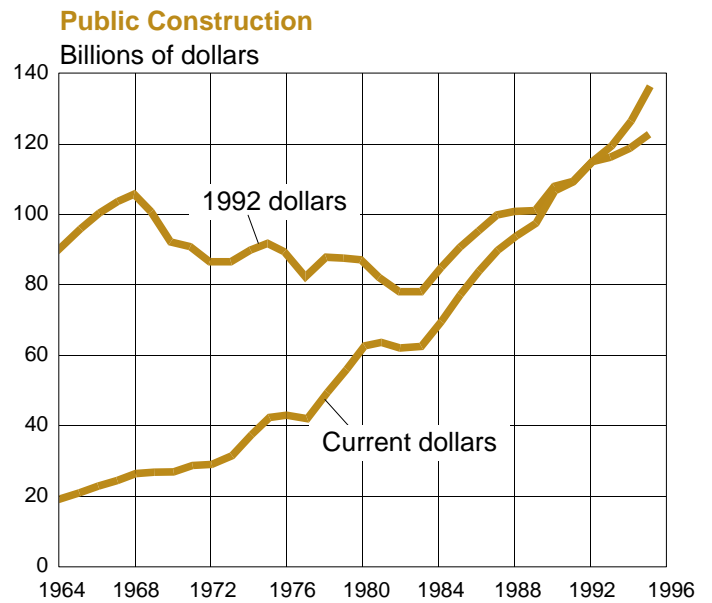
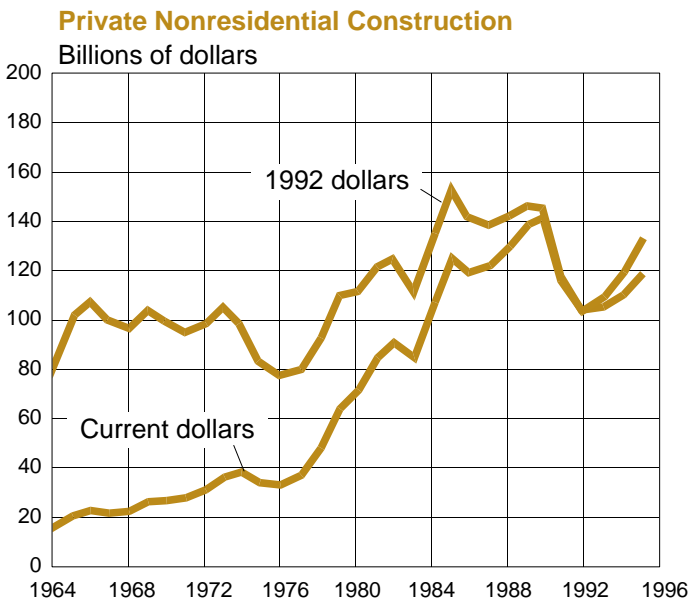
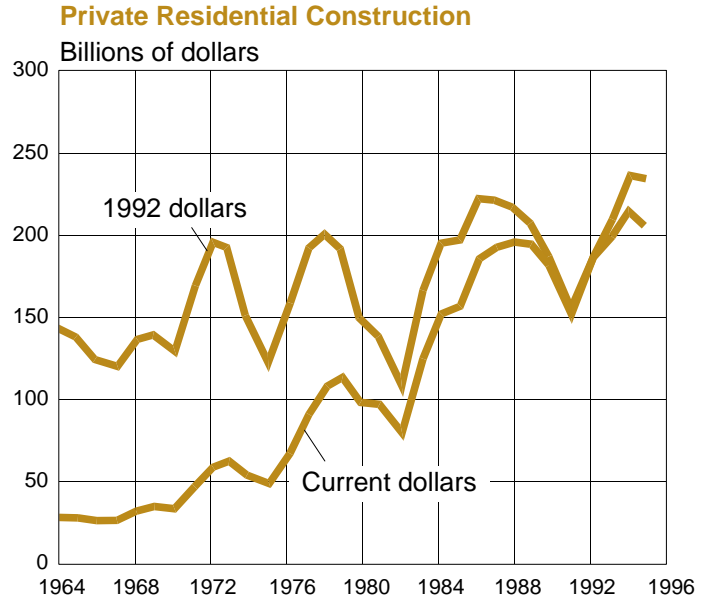
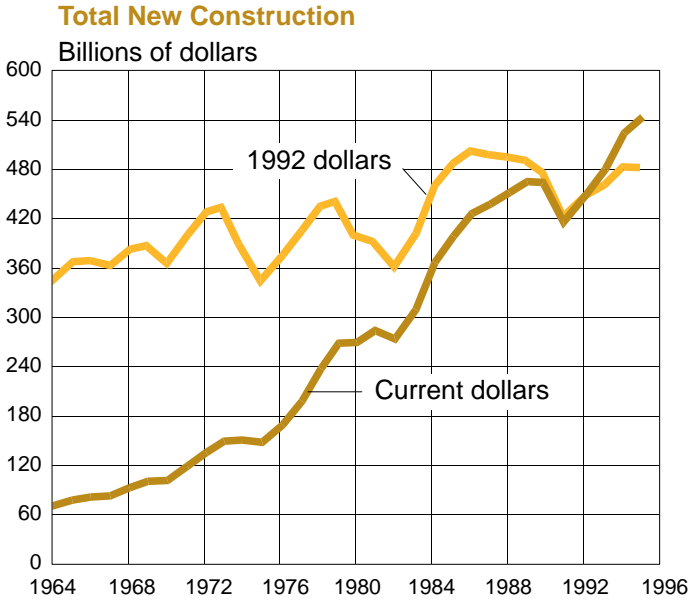
Current Construction Reports Special Study, *Expenditures for Nonresidential Improvements and Repairs: 1992*, U.S. Department of Commerce, Bureau of the Census, Washington, DC, 1994.

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

## Special Supplements Included in the C30 Reports

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: 1973-94 (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					

## Annual Value of New Construction Put in Place: 1964-1995



Source: U.S. Bureau of the Census, Value of New Construction Put in Place.



Table 1. Annual Value of New Construction Put in Place: 1964-1995

[Millions of dollars]

Type of construction	Current dollars					Constant (1992) dollars				
	1964	1965	1966	1967	1968	1964	1965	1966	1967	1968
<b>Total new construction . . . . .</b>	<b>75,097</b>	<b>81,886</b>	<b>85,753</b>	<b>87,221</b>	<b>96,824</b>	<b>351,300</b>	<b>372,074</b>	<b>373,565</b>	<b>368,020</b>	<b>387,047</b>
<b>Private construction . . . . .</b>	<b>54,893</b>	<b>59,966</b>	<b>61,907</b>	<b>61,844</b>	<b>69,386</b>	<b>259,680</b>	<b>275,412</b>	<b>272,378</b>	<b>263,468</b>	<b>280,091</b>
Residential buildings . . . . .	30,526	30,235	28,611	28,737	34,172	145,486	139,848	126,324	122,801	138,493
New housing units . . . . .	24,098	23,846	21,811	21,541	26,723	114,852	110,271	96,333	92,020	108,265
1 unit . . . . .	17,649	17,839	16,568	16,817	19,520	84,116	82,496	73,180	71,852	79,115
2 or more units . . . . .	6,449	6,007	5,243	4,724	7,203	30,736	27,775	23,153	20,169	29,150
Improvements . . . . .	6,428	6,389	6,800	7,196	7,449	30,634	29,578	29,990	30,781	30,228
Nonresidential buildings . . . . .	17,385	21,896	24,238	23,117	23,811	84,232	102,886	109,403	101,319	98,250
Industrial . . . . .	5,028	7,182	9,261	8,400	8,492	24,353	33,732	41,784	36,823	35,019
Office . . . . .	-	-	-	-	-	-	-	-	-	-
Hotels, motels . . . . .	1,548	1,579	1,511	1,345	1,315	7,509	7,427	6,829	5,896	5,425
Other commercial . . . . .	6,330	7,865	7,933	7,956	9,104	30,653	36,952	35,804	34,864	37,557
Religious . . . . .	1,044	1,263	1,205	1,118	1,135	5,057	5,938	5,435	4,900	4,689
Educational . . . . .	822	861	1,080	1,147	1,255	3,987	4,046	4,873	5,027	5,190
Hospital and institutional . . . . .	1,485	1,603	1,637	1,532	1,816	7,193	7,543	7,395	6,715	7,497
Miscellaneous <sup>1</sup> . . . . .	1,128	1,543	1,612	1,618	694	5,481	7,248	7,284	7,094	2,873
Farm nonresidential . . . . .	1,331	1,387	1,484	1,702	1,598	6,448	6,528	6,701	7,462	6,602
Public utilities . . . . .	5,314	6,032	7,090	7,834	9,232	22,045	24,390	27,962	30,093	34,594
Telecommunications . . . . .	1,314	1,463	1,609	1,638	1,704	3,960	4,226	4,435	4,343	4,348
Other public utilities . . . . .	4,000	4,569	5,481	6,196	7,528	18,085	20,163	23,527	25,750	30,246
Railroads . . . . .	493	572	698	604	762	2,142	2,421	2,856	2,382	2,859
Electric light and power . . . . .	2,211	2,589	3,060	3,777	4,421	10,400	11,832	13,580	16,091	18,219
Gas . . . . .	1,130	1,286	1,581	1,503	1,988	4,833	5,399	6,507	6,028	7,776
Petroleum pipelines . . . . .	166	122	142	312	357	710	512	584	1,249	1,392
All other private <sup>2</sup> . . . . .	338	416	484	454	573	1,469	1,760	1,988	1,793	2,152
<b>Public construction . . . . .</b>	<b>20,203</b>	<b>21,920</b>	<b>23,846</b>	<b>25,377</b>	<b>27,437</b>	<b>91,620</b>	<b>96,662</b>	<b>101,187</b>	<b>104,552</b>	<b>106,956</b>
Buildings . . . . .	6,997	7,751	8,759	9,823	10,271	33,885	36,393	39,474	42,976	42,378
Housing and redevelopment . . . . .	567	603	655	709	746	2,702	2,785	2,889	3,035	3,017
Industrial . . . . .	223	226	208	249	351	1,084	1,065	938	1,092	1,451
Educational . . . . .	3,790	4,284	5,333	5,988	6,061	18,380	20,143	24,060	26,248	25,054
Hospital . . . . .	469	520	511	637	698	2,274	2,446	2,308	2,788	2,885
Other <sup>3</sup> . . . . .	1,948	2,118	2,052	2,240	2,415	9,445	9,953	9,278	9,813	9,971
Highways and streets . . . . .	7,133	7,550	8,405	8,591	9,321	30,881	31,701	33,726	33,494	34,458
Military facilities . . . . .	910	830	727	695	808	4,163	3,681	3,090	2,862	3,144
Conservation and development . . . . .	1,750	2,019	2,194	2,124	1,973	7,646	8,617	9,157	8,494	7,527
Sewer systems . . . . .	1,325	1,195	1,300	1,058	1,551	5,789	5,103	5,429	4,233	5,913
Water supply facilities . . . . .	956	1,266	1,066	1,270	1,514	4,338	5,622	4,598	5,319	6,037
Miscellaneous public <sup>4</sup> . . . . .	1,132	1,309	1,395	1,816	1,999	4,919	5,545	5,713	7,175	7,498

See footnotes at end of table.

Table 1. Annual Value of New Construction Put in Place: 1964-1995—Con.

[Millions of dollars]

Type of construction	Current dollars					Constant (1992) dollars				
	1966	1967	1968	1969	1970	1966	1967	1968	1969	1970
<b>Total new construction . . . . .</b>	<b>85,753</b>	<b>87,221</b>	<b>96,824</b>	<b>104,944</b>	<b>105,890</b>	<b>373,565</b>	<b>368,020</b>	<b>387,047</b>	<b>392,123</b>	<b>372,274</b>
<b>Private construction . . . . .</b>	<b>61,907</b>	<b>61,844</b>	<b>69,386</b>	<b>77,151</b>	<b>77,982</b>	<b>272,378</b>	<b>263,468</b>	<b>280,091</b>	<b>290,737</b>	<b>279,212</b>
Residential buildings . . . . .	28,611	28,737	34,172	37,214	35,863	126,324	122,801	138,493	141,811	133,133
New housing units . . . . .	21,811	21,541	26,723	29,224	27,059	96,333	92,020	108,265	111,356	100,506
1 unit . . . . .	16,568	16,817	19,520	19,696	17,541	73,180	71,852	79,115	75,060	65,139
2 or more units . . . . .	5,243	4,724	7,203	9,528	9,518	23,153	20,169	29,150	36,296	35,367
Improvements . . . . .	6,800	7,196	7,449	7,990	8,804	29,990	30,781	30,228	30,455	32,627
Nonresidential buildings . . . . .	24,238	23,117	23,811	27,741	28,171	109,403	101,319	98,250	105,817	100,780
Industrial . . . . .	9,261	8,400	8,492	9,600	9,316	41,784	36,823	35,019	36,630	33,319
Office . . . . .	-	-	-	-	-	-	-	-	-	-
Hotels, motels . . . . .	1,511	1,345	1,315	1,469	1,458	6,829	5,896	5,425	5,608	5,220
Other commercial . . . . .	7,933	7,956	9,104	11,066	11,560	35,804	34,864	37,557	42,190	41,351
Religious . . . . .	1,205	1,118	1,135	1,044	988	5,435	4,900	4,689	3,986	3,535
Educational . . . . .	1,080	1,147	1,255	1,185	1,011	4,873	5,027	5,190	4,527	3,620
Hospital and institutional . . . . .	1,637	1,532	1,816	2,502	2,938	7,395	6,715	7,497	9,537	10,515
Miscellaneous <sup>1</sup> . . . . .	1,612	1,618	694	876	899	7,284	7,094	2,873	3,338	3,219
Farm nonresidential . . . . .	1,484	1,702	1,598	1,689	1,875	6,701	7,462	6,602	6,449	6,710
Public utilities . . . . .	7,090	7,834	9,232	9,766	11,127	27,962	30,093	34,594	34,050	35,565
Telecommunications . . . . .	1,609	1,638	1,704	2,203	2,968	4,435	4,343	4,348	5,384	6,619
Other public utilities . . . . .	5,481	6,196	7,528	7,563	8,159	23,527	25,750	30,246	28,666	28,946
Railroads . . . . .	698	604	762	835	561	2,856	2,382	2,859	2,944	1,799
Electric light and power . . . . .	3,060	3,777	4,421	4,692	5,628	13,580	16,091	18,219	18,121	20,246
Gas . . . . .	1,581	1,503	1,988	1,803	1,686	6,507	6,028	7,776	6,732	5,913
Petroleum pipelines . . . . .	142	312	357	233	284	584	1,249	1,392	868	988
All other private <sup>2</sup> . . . . .	484	454	573	741	946	1,988	1,793	2,152	2,609	3,024
<b>Public construction . . . . .</b>	<b>23,846</b>	<b>25,377</b>	<b>27,437</b>	<b>27,793</b>	<b>27,908</b>	<b>101,187</b>	<b>104,552</b>	<b>106,956</b>	<b>101,386</b>	<b>93,062</b>
Buildings . . . . .	8,759	9,823	10,271	11,065	10,473	39,474	42,976	42,378	42,269	37,621
Housing and redevelopment . . . . .	655	709	746	1,046	1,106	2,889	3,035	3,017	3,987	4,104
Industrial . . . . .	208	249	351	358	316	938	1,092	1,451	1,369	1,129
Educational . . . . .	5,333	5,988	6,061	5,867	5,619	24,060	26,248	25,054	22,418	20,106
Hospital . . . . .	511	637	698	802	838	2,308	2,788	2,885	3,062	3,003
Other <sup>3</sup> . . . . .	2,052	2,240	2,415	2,991	2,594	9,278	9,813	9,971	11,434	9,279
Highways and streets . . . . .	8,405	8,591	9,321	9,251	9,982	33,726	33,494	34,458	32,096	30,718
Military facilities . . . . .	727	695	808	877	717	3,090	2,862	3,144	3,195	2,373
Conservation and development . . . . .	2,194	2,124	1,973	1,780	1,907	9,157	8,494	7,527	6,427	6,382
Sewer systems . . . . .	1,300	1,058	1,551	1,342	1,543	5,429	4,233	5,913	4,852	5,161
Water supply facilities . . . . .	1,066	1,270	1,514	1,336	1,093	4,598	5,319	6,037	4,957	3,769
Miscellaneous public <sup>4</sup> . . . . .	1,395	1,816	1,999	2,141	2,192	5,713	7,175	7,498	7,590	7,038

See footnotes at end of table.

Table 1. Annual Value of New Construction Put in Place: 1964-1995—Con.

[Millions of dollars]

Type of construction	Current dollars					Constant (1992) dollars				
	1971	1972	1973	1974	1975	1971	1972	1973	1974	1975
<b>Total new construction . . . . .</b>	<b>122,414</b>	<b>139,126</b>	<b>153,781</b>	<b>155,170</b>	<b>152,635</b>	<b>403,822</b>	<b>432,197</b>	<b>439,208</b>	<b>391,120</b>	<b>351,973</b>
<b>Private construction . . . . .</b>	<b>92,715</b>	<b>109,096</b>	<b>121,433</b>	<b>117,038</b>	<b>109,342</b>	<b>311,990</b>	<b>344,575</b>	<b>351,596</b>	<b>300,292</b>	<b>259,048</b>
Residential buildings . . . . .	48,514	60,693	65,085	55,967	51,581	169,983	198,635	194,160	151,911	128,254
New housing units . . . . .	38,670	50,095	54,619	43,420	36,317	135,446	163,919	162,987	117,910	90,299
1 unit . . . . .	25,806	32,848	35,181	29,701	29,639	90,355	107,469	104,945	80,500	73,631
2 or more units . . . . .	12,864	17,247	19,438	13,720	6,679	45,091	56,450	58,042	37,410	16,668
Improvements . . . . .	9,844	10,598	10,466	12,547	15,264	34,537	34,716	31,174	34,001	37,955
Nonresidential buildings . . . . .	29,307	32,375	37,639	39,889	35,409	96,599	99,819	107,268	99,358	84,282
Industrial . . . . .	7,754	6,730	9,021	11,454	11,659	25,624	20,756	25,663	28,492	27,746
Office . . . . .	-	6,841	7,799	7,998	6,521	-	21,093	22,240	19,940	15,528
Hotels, motels . . . . .	1,502	2,158	2,537	1,844	1,220	4,945	6,649	7,242	4,613	2,906
Other commercial . . . . .	13,819	9,813	11,378	11,846	9,472	45,484	30,252	32,419	29,495	22,545
Religious . . . . .	867	907	877	993	941	2,861	2,798	2,500	2,472	2,238
Educational . . . . .	1,103	1,163	1,075	806	714	3,633	3,588	3,071	2,012	1,700
Hospital and institutional . . . . .	3,341	3,725	3,714	3,784	3,805	11,015	11,488	10,599	9,436	9,057
Miscellaneous <sup>1</sup> . . . . .	921	1,038	1,238	1,164	1,077	3,038	3,196	3,534	2,898	2,563
Farm nonresidential . . . . .	1,916	1,785	2,525	3,249	3,731	6,320	5,506	7,203	8,096	8,878
Public utilities . . . . .	11,985	13,301	15,272	16,933	17,553	36,124	37,951	40,566	38,612	35,482
Telecommunications . . . . .	3,005	3,301	3,965	4,279	3,810	6,633	7,069	7,800	7,338	6,303
Other public utilities . . . . .	8,981	10,001	11,307	12,655	13,743	29,491	30,882	32,766	31,274	29,179
Railroads . . . . .	538	661	779	1,061	949	1,600	1,867	2,042	2,437	1,910
Electric light and power . . . . .	6,391	7,160	8,228	8,813	9,192	21,279	22,441	24,127	21,780	19,350
Gas . . . . .	1,627	1,897	1,992	1,995	1,658	5,249	5,723	5,713	5,109	3,651
Petroleum pipelines . . . . .	424	283	309	785	1,944	1,363	851	883	1,948	4,268
All other private <sup>2</sup> . . . . .	992	941	912	1,000	1,068	2,965	2,664	2,398	2,314	2,152
<b>Public construction . . . . .</b>	<b>29,699</b>	<b>30,030</b>	<b>32,348</b>	<b>38,132</b>	<b>43,293</b>	<b>91,832</b>	<b>87,622</b>	<b>87,613</b>	<b>90,828</b>	<b>92,925</b>
Buildings . . . . .	11,223	11,351	12,842	14,788	15,912	37,256	35,167	36,785	37,078	38,005
Housing and redevelopment . . . . .	1,136	874	941	1,006	1,356	3,996	2,865	2,804	2,727	3,374
Industrial . . . . .	402	389	454	564	687	1,326	1,200	1,293	1,405	1,637
Educational . . . . .	5,561	5,718	6,647	7,310	7,776	18,338	17,621	18,983	18,239	18,500
Hospital . . . . .	982	1,007	1,001	1,238	1,749	3,236	3,111	2,855	3,086	4,161
Other <sup>3</sup> . . . . .	3,142	3,363	3,799	4,670	4,345	10,361	10,370	10,851	11,621	10,334
Highways and streets . . . . .	10,657	10,429	10,505	12,065	13,147	30,560	28,700	26,679	27,471	25,692
Military facilities . . . . .	901	1,088	1,167	1,186	1,389	2,761	3,159	3,145	2,835	2,986
Conservation and development . . . . .	2,097	2,170	2,311	2,741	3,261	6,503	6,308	6,302	6,423	6,727
Sewer systems . . . . .	1,829	1,700	1,954	2,682	4,175	5,674	4,948	5,323	6,312	8,637
Water supply facilities . . . . .	997	1,077	1,067	1,381	1,535	3,118	3,076	2,779	3,090	3,098
Miscellaneous public <sup>4</sup> . . . . .	1,995	2,216	2,503	3,290	3,874	5,959	6,263	6,600	7,620	7,780

See footnotes at end of table.

Table 1. Annual Value of New Construction Put in Place: 1964-1995—Con.

[Millions of dollars]

Type of construction	Current dollars					Constant (1992) dollars				
	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980
<b>Total new construction . . . . .</b>	<b>172,132</b>	<b>200,501</b>	<b>239,867</b>	<b>272,873</b>	<b>273,936</b>	<b>378,691</b>	<b>408,528</b>	<b>439,075</b>	<b>446,503</b>	<b>403,900</b>
<b>Private construction . . . . .</b>	<b>128,153</b>	<b>157,418</b>	<b>189,721</b>	<b>216,228</b>	<b>210,290</b>	<b>288,446</b>	<b>324,777</b>	<b>350,182</b>	<b>357,949</b>	<b>315,821</b>
Residential buildings . . . . .	68,273	92,004	109,838	116,444	100,381	159,545	193,479	203,568	192,873	150,943
New housing units . . . . .	50,771	72,231	85,601	89,272	69,629	118,576	151,798	158,608	147,856	104,706
1 unit . . . . .	43,860	62,214	72,769	72,257	52,921	102,424	130,694	134,824	119,706	79,531
2 or more units . . . . .	6,910	10,017	12,832	17,015	16,708	16,152	21,105	23,784	28,150	25,175
Improvements . . . . .	17,502	19,773	24,237	27,172	30,752	40,969	41,681	44,960	45,017	46,237
Nonresidential buildings . . . . .	34,628	38,245	48,824	64,765	72,480	79,058	81,170	93,436	111,235	112,874
Industrial . . . . .	10,473	11,309	16,155	22,034	20,522	23,929	24,004	30,864	37,921	31,987
Office . . . . .	6,263	6,968	8,712	12,576	17,815	14,298	14,803	16,678	21,576	27,715
Hotels, motels . . . . .	1,028	1,084	1,349	2,480	3,401	2,346	2,308	2,587	4,249	5,295
Other commercial . . . . .	9,692	11,603	14,655	18,954	20,510	22,119	24,585	28,053	32,492	31,951
Religious . . . . .	1,040	1,144	1,367	1,701	1,811	2,372	2,428	2,616	2,922	2,819
Educational . . . . .	785	812	940	986	1,430	1,791	1,724	1,799	1,692	2,222
Hospital and institutional . . . . .	4,037	3,934	4,010	4,242	4,893	9,212	8,368	7,705	7,311	7,613
Miscellaneous <sup>1</sup> . . . . .	1,311	1,392	1,635	1,791	2,100	2,992	2,950	3,134	3,072	3,272
Farm nonresidential . . . . .	3,971	4,431	5,209	5,588	5,274	9,065	9,408	9,991	9,612	8,203
Public utilities . . . . .	20,204	21,437	24,567	27,978	30,905	38,713	38,322	40,984	42,046	42,155
Telecommunications . . . . .	3,940	4,529	5,640	6,918	7,768	6,169	6,670	7,838	8,558	8,570
Other public utilities . . . . .	16,264	16,908	18,927	21,060	23,137	32,544	31,652	33,146	33,488	33,586
Railroads . . . . .	1,071	1,361	2,197	2,195	2,319	2,047	2,509	3,747	3,297	3,028
Electric light and power . . . . .	10,679	12,456	13,825	15,324	16,468	21,271	23,228	24,342	24,481	24,080
Gas . . . . .	1,627	1,894	2,371	2,950	3,542	3,329	3,610	4,134	4,758	5,277
Petroleum pipelines . . . . .	2,887	1,197	534	591	809	5,897	2,305	923	952	1,201
All other private <sup>2</sup> . . . . .	1,078	1,301	1,283	1,452	1,250	2,065	2,398	2,203	2,183	1,646
<b>Public construction . . . . .</b>	<b>43,980</b>	<b>43,083</b>	<b>50,146</b>	<b>56,646</b>	<b>63,646</b>	<b>90,245</b>	<b>83,751</b>	<b>88,893</b>	<b>88,554</b>	<b>88,079</b>
Buildings . . . . .	15,690	14,578	16,129	17,661	20,427	35,921	30,975	30,835	30,265	31,686
Housing and redevelopment . . . . .	1,263	1,478	1,384	1,656	1,983	2,958	3,124	2,559	2,741	2,985
Industrial . . . . .	672	838	932	1,112	1,441	1,535	1,782	1,790	1,917	2,244
Educational . . . . .	7,245	6,215	6,654	7,806	8,902	16,550	13,207	12,746	13,413	13,845
Hospital . . . . .	2,085	1,921	1,908	1,803	1,921	4,762	4,093	3,669	3,105	2,988
Other <sup>3</sup> . . . . .	4,427	4,127	5,251	5,284	6,181	10,116	8,768	10,071	9,088	9,624
Highways and streets . . . . .	12,371	12,460	14,169	17,088	18,209	23,208	23,015	23,976	24,674	22,244
Military facilities . . . . .	1,630	1,429	1,502	1,647	1,880	3,358	2,828	2,717	2,605	2,585
Conservation and development . . . . .	3,868	3,966	4,494	4,678	5,178	7,562	7,312	7,731	7,287	7,268
Sewer systems . . . . .	4,704	4,269	5,275	6,027	6,775	9,197	7,871	9,055	9,367	9,499
Water supply facilities . . . . .	1,443	1,441	2,074	2,056	3,082	2,814	2,635	3,451	3,107	4,196
Miscellaneous public <sup>4</sup> . . . . .	4,274	4,939	6,503	7,488	8,094	8,185	9,116	11,128	11,250	10,602

See footnotes at end of table.

Table 1. Annual Value of New Construction Put in Place: 1964-1995—Con.

[Millions of dollars]

Type of construction	Current dollars					Constant (1992) dollars				
	1981	1982	1983	1984	1985	1981	1982	1983	1984	1985
<b>Total new construction . . . . .</b>	<b>289,070</b>	<b>279,332</b>	<b>311,576</b>	<b>369,025</b>	<b>401,370</b>	<b>396,267</b>	<b>369,135</b>	<b>403,929</b>	<b>463,057</b>	<b>490,943</b>
<b>Private construction . . . . .</b>	<b>224,378</b>	<b>216,268</b>	<b>248,126</b>	<b>298,787</b>	<b>323,555</b>	<b>313,358</b>	<b>290,057</b>	<b>324,785</b>	<b>377,445</b>	<b>399,530</b>
Residential buildings . . . . .	99,241	84,676	125,521	153,849	158,474	139,656	115,525	166,981	197,126	199,105
New housing units . . . . .	69,424	57,001	94,649	113,826	114,662	97,724	77,756	125,907	145,866	144,065
1 unit . . . . .	51,965	41,462	72,203	85,605	86,123	73,145	56,548	96,046	109,701	108,207
2 or more units . . . . .	17,460	15,538	22,447	28,221	28,539	24,579	21,207	29,861	36,165	35,858
Improvements . . . . .	29,817	27,675	30,872	40,023	43,812	41,932	37,769	41,073	51,260	55,040
Nonresidential buildings . . . . .	85,569	92,690	87,069	107,680	127,466	122,748	126,705	114,716	135,650	156,349
Industrial . . . . .	25,413	26,082	19,454	20,901	24,139	36,437	35,669	25,652	26,330	29,609
Office . . . . .	23,515	31,262	28,333	35,577	43,599	33,721	42,724	37,333	44,812	53,484
Hotels, motels . . . . .	4,340	4,828	6,139	8,036	8,749	6,226	6,598	8,083	10,132	10,732
Other commercial . . . . .	20,820	17,805	18,902	28,036	35,709	29,880	24,347	24,885	35,300	43,792
Religious . . . . .	1,853	1,730	2,009	2,418	2,751	2,660	2,362	2,645	3,046	3,373
Educational . . . . .	1,541	1,721	1,869	1,958	2,251	2,214	2,351	2,464	2,469	2,761
Hospital and institutional . . . . .	5,970	7,204	8,089	7,808	6,969	8,566	9,843	10,661	9,850	8,552
Miscellaneous <sup>1</sup> . . . . .	2,117	2,057	2,274	2,946	3,297	3,043	2,811	2,995	3,712	4,044
Farm nonresidential . . . . .	4,612	3,692	3,255	3,161	2,197	6,616	5,050	4,287	3,984	2,698
Public utilities . . . . .	33,688	33,942	30,817	32,191	32,692	42,803	41,261	37,032	38,403	38,236
Telecommunications . . . . .	8,205	8,509	7,641	8,085	8,397	8,929	9,063	8,456	9,324	9,420
Other public utilities . . . . .	25,483	25,432	23,176	24,107	24,295	33,873	32,199	28,576	29,079	28,816
Railroads . . . . .	2,260	2,595	2,951	3,513	4,046	2,739	3,103	3,567	4,211	4,663
Electric light and power . . . . .	18,295	18,606	17,185	17,431	16,460	24,537	23,802	21,318	21,152	19,693
Gas . . . . .	4,186	3,854	2,583	2,892	3,517	5,605	4,824	3,137	3,398	4,139
Petroleum pipelines . . . . .	742	377	457	271	272	992	470	553	318	320
All other private <sup>2</sup> . . . . .	1,268	1,269	1,464	1,905	2,726	1,536	1,517	1,769	2,282	3,143
<b>Public construction . . . . .</b>	<b>64,691</b>	<b>63,064</b>	<b>63,450</b>	<b>70,238</b>	<b>77,815</b>	<b>82,910</b>	<b>79,077</b>	<b>79,144</b>	<b>85,612</b>	<b>91,413</b>
Buildings . . . . .	20,776	21,203	21,832	23,949	27,466	29,749	28,973	28,807	30,233	33,778
Housing and redevelopment . . . . .	2,347	2,277	2,617	2,651	2,893	3,302	3,107	3,482	3,397	3,634
Industrial . . . . .	1,655	1,632	1,809	1,828	1,968	2,379	2,231	2,385	2,305	2,416
Educational . . . . .	7,936	7,606	6,904	7,833	9,084	11,391	10,397	9,101	9,869	11,143
Hospital . . . . .	2,342	2,379	2,518	2,496	2,471	3,361	3,253	3,317	3,146	3,032
Other <sup>3</sup> . . . . .	6,496	7,309	7,984	9,140	11,050	9,317	9,985	10,522	11,516	13,552
Highways and streets . . . . .	18,405	17,274	17,904	21,556	23,741	21,002	19,974	21,369	25,643	26,501
Military facilities . . . . .	1,964	2,205	2,544	2,839	3,235	2,501	2,760	3,183	3,475	3,789
Conservation and development . . . . .	5,462	5,286	5,054	4,909	5,126	7,065	6,543	6,207	5,932	6,093
Sewer systems . . . . .	5,949	5,771	5,601	6,567	7,291	7,686	7,138	6,873	7,932	8,660
Water supply facilities . . . . .	3,011	3,024	2,219	2,757	2,704	3,846	3,767	2,673	3,210	3,082
Miscellaneous public <sup>4</sup> . . . . .	9,124	8,301	8,298	7,660	8,252	11,060	9,923	10,033	9,187	9,510

See footnotes at end of table.

Table 1. Annual Value of New Construction Put in Place: 1964-1995—Con.

[Millions of dollars]

Type of construction	Current dollars					Constant (1992) dollars				
	1986	1987	1988	1989	1990	1986	1987	1988	1989	1990
<b>Total new construction . . . . .</b>	<b>429,924</b>	<b>441,647</b>	<b>455,618</b>	<b>469,797</b>	<b>468,532</b>	<b>507,275</b>	<b>502,468</b>	<b>499,621</b>	<b>495,387</b>	<b>479,016</b>
<b>Private construction . . . . .</b>	<b>345,342</b>	<b>350,999</b>	<b>360,883</b>	<b>371,623</b>	<b>361,054</b>	<b>411,174</b>	<b>401,642</b>	<b>397,693</b>	<b>393,262</b>	<b>370,102</b>
Residential buildings . . . . .	187,148	194,656	198,101	196,551	182,856	224,557	223,516	218,972	208,748	188,045
New housing units . . . . .	133,192	139,915	138,947	139,202	127,987	159,820	160,662	153,583	147,863	131,632
1 unit . . . . .	102,154	114,463	116,649	116,898	108,737	122,543	131,420	128,932	124,163	111,832
2 or more units . . . . .	31,038	25,452	22,298	22,304	19,250	37,277	29,242	24,651	23,700	19,800
Improvements . . . . .	53,956	54,741	59,154	57,349	54,869	64,737	62,854	65,389	60,885	56,414
Nonresidential buildings . . . . .	120,917	123,247	130,854	139,953	143,506	143,070	140,110	143,467	147,825	146,661
Industrial . . . . .	20,984	21,210	23,203	28,786	33,636	24,828	24,104	25,433	30,390	34,373
Office . . . . .	39,361	36,886	39,307	40,116	35,055	46,596	41,944	43,099	42,395	35,838
Hotels, motels . . . . .	8,903	8,939	8,265	9,275	10,679	10,532	10,170	9,066	9,797	10,917
Other commercial . . . . .	35,763	37,341	38,852	39,833	40,047	42,305	42,443	42,593	42,060	40,922
Religious . . . . .	3,076	3,178	3,271	3,449	3,566	3,635	3,612	3,587	3,643	3,642
Educational . . . . .	2,774	4,126	3,511	3,991	4,616	3,280	4,692	3,850	4,214	4,715
Hospital and institutional . . . . .	6,749	7,614	9,147	9,559	10,868	7,984	8,655	10,031	10,100	11,103
Miscellaneous <sup>1</sup> . . . . .	3,307	3,952	5,298	4,945	5,040	3,911	4,491	5,808	5,226	5,151
Farm nonresidential . . . . .	2,072	2,605	2,394	2,531	2,801	2,451	2,963	2,625	2,673	2,862
Public utilities . . . . .	32,931	27,862	27,412	30,129	28,933	38,546	32,143	30,348	31,465	29,537
Telecommunications . . . . .	9,106	9,194	9,556	9,614	9,803	10,416	10,405	10,766	9,843	9,891
Other public utilities . . . . .	23,825	18,668	17,856	20,515	19,130	28,130	21,738	19,582	21,622	19,646
Railroads . . . . .	2,891	2,451	2,382	2,650	2,600	3,235	2,714	2,558	2,748	2,633
Electric light and power . . . . .	17,375	12,660	11,441	13,137	11,299	20,560	14,816	12,544	13,857	11,572
Gas . . . . .	3,273	3,188	3,656	4,386	4,820	3,987	3,772	4,061	4,654	5,013
Petroleum pipelines . . . . .	286	369	377	342	411	348	436	419	363	428
All other private <sup>2</sup> . . . . .	2,275	2,628	2,121	2,460	2,957	2,550	2,910	2,281	2,551	2,997
<b>Public construction . . . . .</b>	<b>84,582</b>	<b>90,648</b>	<b>94,735</b>	<b>98,174</b>	<b>107,478</b>	<b>96,101</b>	<b>100,826</b>	<b>101,928</b>	<b>102,124</b>	<b>108,914</b>
Buildings . . . . .	30,528	32,216	35,193	38,235	43,615	36,154	36,673	38,615	40,397	44,583
Housing and redevelopment . . . . .	3,029	3,268	3,292	3,441	3,808	3,637	3,753	3,638	3,655	3,914
Industrial . . . . .	1,657	1,457	1,413	1,300	1,434	1,962	1,658	1,550	1,373	1,465
Educational . . . . .	10,456	10,627	12,823	14,696	16,055	12,354	12,083	14,056	15,517	16,398
Hospital . . . . .	2,323	2,573	2,756	2,652	2,860	2,751	2,925	3,022	2,801	2,924
Other <sup>3</sup> . . . . .	13,063	14,292	14,909	16,146	19,458	15,451	16,254	16,349	17,051	19,882
Highways and streets . . . . .	25,318	27,073	29,126	28,747	32,105	27,069	28,742	30,077	28,922	31,777
Military facilities . . . . .	3,868	4,324	3,579	3,520	2,665	4,345	4,747	3,810	3,629	2,683
Conservation and development . . . . .	4,926	5,531	4,768	5,098	4,686	5,781	6,403	5,334	5,453	4,870
Sewer systems . . . . .	8,097	9,517	9,521	9,814	10,276	9,499	11,015	10,651	10,497	10,670
Water supply facilities . . . . .	3,368	3,885	4,319	4,179	4,909	3,761	4,274	4,603	4,322	4,987
Miscellaneous public <sup>4</sup> . . . . .	8,478	8,102	8,229	8,581	9,223	9,491	8,972	8,839	8,904	9,344

See footnotes at end of table.

Table 1. Annual Value of New Construction Put in Place: 1964-1995—Con.

[Millions of dollars]

Type of construction	Current dollars					Constant (1992) dollars				
	1991	1992	1993	1994	1995	1991	1992	1993	1994	1995
<b>Total new construction . . . . .</b>	<b>424,176</b>	<b>452,086</b>	<b>482,737</b>	<b>527,063</b>	<b>547,079</b>	<b>429,592</b>	<b>451,998</b>	<b>464,985</b>	<b>487,644</b>	<b>486,666</b>
<b>Private construction . . . . .</b>	<b>314,067</b>	<b>336,239</b>	<b>362,587</b>	<b>400,008</b>	<b>410,196</b>	<b>319,248</b>	<b>336,126</b>	<b>347,754</b>	<b>367,898</b>	<b>363,086</b>
Residential buildings . . . . .	157,835	187,819	210,455	238,874	236,597	160,989	187,687	200,502	217,996	207,392
New housing units . . . . .	110,592	129,600	144,071	167,919	162,898	112,796	129,522	137,243	153,250	142,790
1 unit . . . . .	95,444	116,505	133,282	153,838	145,009	97,333	116,419	126,960	140,416	127,108
2 or more units . . . . .	15,148	13,094	10,788	14,081	17,889	15,462	13,103	10,283	12,833	15,682
Improvements . . . . .	47,243	58,219	66,384	70,955	73,699	48,194	58,165	63,259	64,746	64,601
Nonresidential buildings . . . . .	116,570	105,646	110,635	120,285	133,949	118,266	105,615	106,729	111,416	119,835
Industrial . . . . .	31,424	29,029	26,482	28,947	32,301	31,881	29,027	25,554	26,803	28,902
Office . . . . .	25,951	20,271	20,920	22,178	25,254	26,330	20,271	20,197	20,553	22,603
Hotels, motels . . . . .	6,939	3,691	4,565	4,648	7,201	7,044	3,690	4,405	4,308	6,438
Other commercial . . . . .	29,355	29,197	32,453	37,551	42,272	29,780	29,172	31,292	34,756	37,809
Religious . . . . .	3,521	3,485	3,887	3,869	4,318	3,571	3,483	3,748	3,584	3,862
Educational . . . . .	4,193	4,474	4,649	4,822	5,493	4,253	4,475	4,484	4,471	4,915
Hospital and institutional . . . . .	10,567	11,487	12,492	12,268	11,173	10,721	11,485	12,050	11,377	9,998
Miscellaneous <sup>1</sup> . . . . .	4,619	4,012	5,188	6,002	5,937	4,685	4,011	5,000	5,565	5,309
Farm nonresidential . . . . .	2,753	2,398	3,291	3,246	3,473	2,792	2,396	3,174	3,007	3,107
Public utilities . . . . .	33,966	36,807	34,925	34,713	33,348	34,270	36,859	34,120	32,717	30,169
Telecommunications . . . . .	8,962	8,993	9,619	10,157	10,747	8,958	9,005	9,468	9,875	9,798
Other public utilities . . . . .	25,004	27,814	25,306	24,556	22,601	25,313	27,854	24,652	22,842	20,372
Railroads . . . . .	2,406	2,928	3,108	3,340	3,341	2,394	2,926	3,056	3,186	3,046
Electric light and power . . . . .	16,293	17,136	15,567	14,918	13,126	16,510	17,184	15,096	13,877	11,825
Gas . . . . .	5,555	6,901	5,645	5,300	5,205	5,647	6,895	5,536	4,861	4,667
Petroleum pipelines . . . . .	750	849	986	998	929	762	849	965	918	834
All other private <sup>2</sup> . . . . .	2,943	3,570	3,281	2,890	2,829	2,930	3,569	3,229	2,763	2,583
<b>Public construction . . . . .</b>	<b>110,109</b>	<b>115,847</b>	<b>120,150</b>	<b>127,055</b>	<b>136,883</b>	<b>110,345</b>	<b>115,872</b>	<b>117,231</b>	<b>119,747</b>	<b>123,579</b>
Buildings . . . . .	47,406	49,986	52,071	53,930	59,783	48,106	49,988	50,167	49,882	53,373
Housing and redevelopment . . . . .	3,587	4,138	4,855	5,247	6,156	3,661	4,136	4,629	4,788	5,397
Industrial . . . . .	1,824	1,876	1,718	1,465	1,510	1,850	1,875	1,658	1,358	1,351
Educational . . . . .	19,203	20,647	22,103	23,457	25,608	19,475	20,645	21,314	21,731	22,905
Hospital . . . . .	2,829	3,383	3,666	3,940	4,345	2,869	3,383	3,537	3,652	3,888
Other <sup>3</sup> . . . . .	19,965	19,943	19,730	19,821	22,164	20,252	19,949	19,029	18,353	19,832
Highways and streets . . . . .	32,042	33,106	34,341	37,671	38,159	31,329	33,132	34,205	36,463	34,931
Military facilities . . . . .	1,837	2,502	2,453	2,318	3,002	1,831	2,502	2,405	2,196	2,721
Conservation and development . . . . .	5,011	5,952	5,909	6,370	6,389	5,075	5,946	5,745	6,002	5,798
Sewer systems . . . . .	10,039	9,663	9,354	10,081	10,869	10,169	9,658	9,095	9,499	9,859
Water supply facilities . . . . .	4,981	5,162	5,373	5,388	6,085	5,083	5,170	5,143	4,911	5,407
Miscellaneous public <sup>4</sup> . . . . .	8,793	9,477	10,649	11,298	12,597	8,751	9,475	10,470	10,793	11,491

- Represents zero or rounds to zero.

<sup>1</sup>Includes amusement and recreational buildings, bus and airline terminals, animal hospitals and shelters, etc.<sup>2</sup>Includes privately owned streets and bridges, parking areas, sewer and water facilities, parks and playgrounds, golf courses, airfields, etc.<sup>3</sup>Includes general administrative buildings, prisons, police and fire stations, courthouses, civic centers, passenger terminals, space facilities, postal facilities, etc.<sup>4</sup>Includes 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: 1964-1995

[Millions of dollars]

Type of construction	Current dollars					Constant (1992) dollars				
	1964	1965	1966	1967	1968	1964	1965	1966	1967	1968
<b>Total public construction . . . .</b>	<b>20,203</b>	<b>21,920</b>	<b>23,846</b>	<b>25,377</b>	<b>27,437</b>	<b>91,620</b>	<b>96,662</b>	<b>101,187</b>	<b>104,552</b>	<b>106,956</b>
<b>State and local construction . . . .</b>	<b>16,485</b>	<b>18,048</b>	<b>20,043</b>	<b>22,061</b>	<b>24,238</b>	<b>74,633</b>	<b>79,450</b>	<b>84,917</b>	<b>90,918</b>	<b>94,479</b>
Total buildings . . . . .	5,802	6,433	7,639	8,991	9,503	28,099	30,205	34,415	39,330	39,207
Housing and redevelopment . . . .	462	455	574	678	686	2,203	2,101	2,529	2,903	2,774
Educational . . . . .	3,766	4,270	5,320	5,966	6,047	18,263	20,077	24,002	26,152	24,996
Hospital . . . . .	367	399	381	540	629	1,780	1,877	1,720	2,363	2,600
Other <sup>1</sup> . . . . .	1,207	1,309	1,364	1,807	2,141	5,854	6,150	6,165	7,912	8,838
Highways and streets . . . . .	6,960	7,381	8,157	8,347	9,088	30,132	30,992	32,731	32,543	33,597
Conservation and development . .	360	513	529	627	610	1,573	2,190	2,206	2,508	2,328
Sewer systems . . . . .	1,325	1,195	1,300	1,058	1,551	5,789	5,103	5,429	4,233	5,913
Water supply facilities . . . . .	956	1,266	1,066	1,270	1,514	4,338	5,622	4,598	5,319	6,037
Miscellaneous nonbuilding <sup>2</sup> . . . .	1,082	1,260	1,352	1,768	1,972	4,702	5,337	5,537	6,986	7,397
<b>Federal construction . . . . .</b>	<b>3,718</b>	<b>3,872</b>	<b>3,803</b>	<b>3,316</b>	<b>3,199</b>	<b>16,987</b>	<b>17,212</b>	<b>16,270</b>	<b>13,634</b>	<b>12,477</b>
Total buildings . . . . .	1,195	1,318	1,120	832	768	5,785	6,187	5,058	3,647	3,171
Housing . . . . .	105	148	81	31	60	499	684	360	132	243
Industrial . . . . .	223	226	208	249	351	1,084	1,065	938	1,092	1,451
Educational . . . . .	24	14	13	22	14	116	66	59	96	58
Hospital . . . . .	102	121	130	97	69	495	569	588	426	285
Other <sup>3</sup> . . . . .	741	809	688	433	274	3,592	3,804	3,113	1,901	1,133
Highways and streets . . . . .	173	169	248	244	233	749	709	994	951	861
Military facilities . . . . .	910	830	727	695	808	4,163	3,681	3,090	2,862	3,144
Conservation and development . .	1,390	1,506	1,665	1,497	1,363	6,073	6,426	6,951	5,986	5,199
Miscellaneous public <sup>4</sup> . . . . .	50	49	43	48	27	217	208	176	189	101

See footnotes at end of table.



Table 2. Annual Value of New Public Construction Put in Place: 1964-1995—Con.

[Millions of dollars]

Type of construction	Current dollars					Constant (1992) dollars				
	1966	1967	1968	1969	1970	1966	1967	1968	1969	1970
<b>Total public construction . . . .</b>	<b>23,846</b>	<b>25,377</b>	<b>27,437</b>	<b>27,793</b>	<b>27,908</b>	<b>101,187</b>	<b>104,552</b>	<b>106,956</b>	<b>101,386</b>	<b>93,062</b>
<b>State and local construction . . . .</b>	<b>20,043</b>	<b>22,061</b>	<b>24,238</b>	<b>24,643</b>	<b>24,798</b>	<b>84,917</b>	<b>90,918</b>	<b>94,479</b>	<b>89,844</b>	<b>82,583</b>
Total buildings . . . . .	7,639	8,991	9,503	10,224	9,753	34,415	39,330	39,207	39,057	35,032
Housing and redevelopment . . . .	574	678	686	907	1,013	2,529	2,903	2,774	3,457	3,758
Educational . . . . .	5,320	5,966	6,047	5,856	5,604	24,002	26,152	24,996	22,374	20,050
Hospital . . . . .	381	540	629	708	708	1,720	2,363	2,600	2,700	2,538
Other <sup>1</sup> . . . . .	1,364	1,807	2,141	2,754	2,428	6,165	7,912	8,838	10,526	8,687
Highways and streets . . . . .	8,157	8,347	9,088	9,039	9,728	32,731	32,543	33,597	31,359	29,935
Conservation and development . .	529	627	610	591	540	2,206	2,508	2,328	2,134	1,811
Sewer systems . . . . .	1,300	1,058	1,551	1,342	1,543	5,429	4,233	5,913	4,852	5,161
Water supply facilities . . . . .	1,066	1,270	1,514	1,336	1,093	4,598	5,319	6,037	4,957	3,769
Miscellaneous nonbuilding <sup>2</sup> . . . .	1,352	1,768	1,972	2,111	2,142	5,537	6,986	7,397	7,485	6,875
<b>Federal construction . . . . .</b>	<b>3,803</b>	<b>3,316</b>	<b>3,199</b>	<b>3,150</b>	<b>3,110</b>	<b>16,270</b>	<b>13,634</b>	<b>12,477</b>	<b>11,542</b>	<b>10,479</b>
Total buildings . . . . .	1,120	832	768	842	720	5,058	3,647	3,171	3,213	2,588
Housing . . . . .	81	31	60	139	93	360	132	243	530	346
Industrial . . . . .	208	249	351	358	316	938	1,092	1,451	1,369	1,129
Educational . . . . .	13	22	14	11	16	59	96	58	43	56
Hospital . . . . .	130	97	69	95	130	588	426	285	362	465
Other <sup>3</sup> . . . . .	688	433	274	238	166	3,113	1,901	1,133	908	593
Highways and streets . . . . .	248	244	233	213	254	994	951	861	738	783
Military facilities . . . . .	727	695	808	877	717	3,090	2,862	3,144	3,195	2,373
Conservation and development . .	1,665	1,497	1,363	1,189	1,367	6,951	5,986	5,199	4,292	4,571
Miscellaneous public <sup>4</sup> . . . . .	43	48	27	29	51	176	189	101	105	163

See footnotes at end of table.

Table 2. Annual Value of New Public Construction Put in Place: 1964-1995—Con.

[Millions of dollars]

Type of construction	Current dollars					Constant (1992) dollars				
	1971	1972	1973	1974	1975	1971	1972	1973	1974	1975
<b>Total public construction . . . . .</b>	<b>29,699</b>	<b>30,030</b>	<b>32,348</b>	<b>38,132</b>	<b>43,293</b>	<b>91,832</b>	<b>87,622</b>	<b>87,613</b>	<b>90,828</b>	<b>92,925</b>
<b>State and local construction . . . . .</b>	<b>25,889</b>	<b>25,786</b>	<b>27,648</b>	<b>33,042</b>	<b>37,205</b>	<b>79,933</b>	<b>75,138</b>	<b>74,730</b>	<b>78,626</b>	<b>79,713</b>
Total buildings . . . . .	10,320	10,368	11,665	13,487	14,249	34,257	32,106	33,412	33,793	34,014
Housing and redevelopment . . . . .	1,013	732	811	816	1,074	3,563	2,398	2,417	2,213	2,673
Educational . . . . .	5,544	5,694	6,589	7,263	7,760	18,282	17,545	18,817	18,121	18,462
Hospital . . . . .	832	849	845	1,068	1,486	2,742	2,623	2,411	2,662	3,537
Other <sup>1</sup> . . . . .	2,932	3,094	3,420	4,339	3,928	9,671	9,540	9,767	10,797	9,342
Highways and streets . . . . .	10,369	10,130	10,236	11,808	12,840	29,736	27,878	25,995	26,883	25,089
Conservation and development . . . . .	451	409	356	495	622	1,401	1,188	971	1,163	1,277
Sewer systems . . . . .	1,829	1,700	1,954	2,682	4,175	5,674	4,948	5,323	6,312	8,637
Water supply facilities . . . . .	997	1,077	1,067	1,381	1,535	3,118	3,076	2,779	3,090	3,098
Miscellaneous nonbuilding <sup>2</sup> . . . . .	1,924	2,103	2,370	3,189	3,784	5,747	5,942	6,251	7,386	7,598
<b>Federal construction . . . . .</b>	<b>3,810</b>	<b>4,244</b>	<b>4,700</b>	<b>5,091</b>	<b>6,088</b>	<b>11,900</b>	<b>12,484</b>	<b>12,882</b>	<b>12,202</b>	<b>13,211</b>
Total buildings . . . . .	903	983	1,177	1,302	1,664	2,999	3,061	3,374	3,285	3,990
Housing . . . . .	124	142	130	190	281	433	467	387	514	700
Industrial . . . . .	402	389	454	564	687	1,326	1,200	1,293	1,405	1,637
Educational . . . . .	17	25	58	47	16	56	76	166	118	37
Hospital . . . . .	150	158	156	170	262	494	489	444	424	624
Other <sup>3</sup> . . . . .	210	269	379	331	417	690	830	1,083	824	992
Highways and streets . . . . .	288	299	269	257	307	825	822	684	588	603
Military facilities . . . . .	901	1,088	1,167	1,186	1,389	2,761	3,159	3,145	2,835	2,986
Conservation and development . . . . .	1,646	1,761	1,955	2,246	2,638	5,102	5,120	5,331	5,260	5,450
Miscellaneous public <sup>4</sup> . . . . .	71	114	133	100	90	212	321	349	234	182

See footnotes at end of table.

Table 2. Annual Value of New Public Construction Put in Place: 1964-1995—Con.

[Millions of dollars]

Type of construction	Current dollars					Constant (1992) dollars				
	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980
<b>Total public construction . . . .</b>	<b>43,980</b>	<b>43,083</b>	<b>50,146</b>	<b>56,646</b>	<b>63,646</b>	<b>90,245</b>	<b>83,751</b>	<b>88,893</b>	<b>88,554</b>	<b>88,079</b>
<b>State and local construction . . . .</b>	<b>37,196</b>	<b>35,994</b>	<b>42,000</b>	<b>48,081</b>	<b>54,004</b>	<b>76,200</b>	<b>69,905</b>	<b>74,323</b>	<b>74,849</b>	<b>74,274</b>
Total buildings . . . . .	13,796	12,512	13,903	15,318	17,610	31,577	26,582	26,573	26,228	27,305
Housing and redevelopment . . . .	994	1,222	1,205	1,553	1,835	2,327	2,583	2,225	2,570	2,763
Educational . . . . .	7,238	6,205	6,632	7,766	8,862	16,536	13,186	12,704	13,344	13,783
Hospital . . . . .	1,724	1,511	1,442	1,353	1,402	3,938	3,222	2,773	2,330	2,181
Other <sup>1</sup> . . . . .	3,840	3,574	4,625	4,645	5,510	8,776	7,592	8,871	7,984	8,579
Highways and streets . . . . .	12,032	12,064	13,748	16,560	17,753	22,572	22,284	23,260	23,910	21,685
Conservation and development ..	1,029	877	635	764	908	2,010	1,617	1,093	1,183	1,273
Sewer systems . . . . .	4,704	4,269	5,275	6,027	6,775	9,197	7,871	9,055	9,367	9,499
Water supply facilities . . . . .	1,443	1,441	2,074	2,056	3,082	2,814	2,635	3,451	3,107	4,196
Miscellaneous nonbuilding <sup>2</sup> . . . .	4,193	4,831	6,365	7,357	7,877	8,030	8,916	10,891	11,053	10,316
<b>Federal construction . . . . .</b>	<b>6,783</b>	<b>7,088</b>	<b>8,146</b>	<b>8,564</b>	<b>9,642</b>	<b>14,045</b>	<b>13,846</b>	<b>14,570</b>	<b>13,705</b>	<b>13,805</b>
Total buildings . . . . .	1,894	2,066	2,225	2,343	2,818	4,344	4,393	4,262	4,037	4,381
Housing . . . . .	269	255	178	103	148	631	541	333	172	223
Industrial . . . . .	672	838	932	1,112	1,441	1,535	1,782	1,790	1,917	2,244
Educational . . . . .	6	10	22	40	39	14	21	43	69	61
Hospital . . . . .	361	410	466	450	519	824	872	896	775	807
Other <sup>3</sup> . . . . .	587	553	626	639	671	1,340	1,177	1,200	1,104	1,045
Highways and streets . . . . .	339	396	421	528	456	636	731	716	763	558
Military facilities . . . . .	1,630	1,429	1,502	1,647	1,880	3,358	2,828	2,717	2,605	2,585
Conservation and development ..	2,839	3,088	3,860	3,915	4,270	5,552	5,694	6,638	6,103	5,996
Miscellaneous public <sup>4</sup> . . . . .	81	109	138	131	217	155	200	237	197	286

See footnotes at end of table.

Table 2. Annual Value of New Public Construction Put in Place: 1964-1995—Con.

[Millions of dollars]

Type of construction	Current dollars					Constant (1992) dollars				
	1981	1982	1983	1984	1985	1981	1982	1983	1984	1985
<b>Total public construction . . . .</b>	<b>64,691</b>	<b>63,064</b>	<b>63,450</b>	<b>70,238</b>	<b>77,815</b>	<b>82,910</b>	<b>79,077</b>	<b>79,144</b>	<b>85,612</b>	<b>91,413</b>
<b>State and local construction . . . .</b>	<b>54,278</b>	<b>53,056</b>	<b>52,893</b>	<b>58,998</b>	<b>65,811</b>	<b>69,155</b>	<b>66,324</b>	<b>65,831</b>	<b>71,792</b>	<b>77,072</b>
Total buildings . . . . .	17,625	18,217	18,442	20,153	23,251	25,225	24,893	24,337	25,443	28,597
Housing and redevelopment . . . .	2,247	2,091	2,419	2,394	2,595	3,161	2,854	3,219	3,067	3,259
Educational . . . . .	7,906	7,584	6,886	7,823	9,074	11,348	10,367	9,078	9,856	11,132
Hospital . . . . .	1,702	1,753	1,885	1,772	1,669	2,442	2,397	2,482	2,234	2,048
Other <sup>1</sup> . . . . .	5,770	6,789	7,252	8,165	9,913	8,273	9,274	9,558	10,286	12,158
Highways and streets . . . . .	17,654	16,756	17,436	21,040	23,272	20,146	19,376	20,810	25,030	25,977
Conservation and development . .	1,058	1,167	1,054	982	1,282	1,366	1,443	1,294	1,186	1,523
Sewer systems . . . . .	5,949	5,771	5,601	6,567	7,291	7,686	7,138	6,873	7,932	8,660
Water supply facilities . . . . .	3,011	3,024	2,219	2,757	2,704	3,846	3,767	2,673	3,210	3,082
Miscellaneous nonbuilding <sup>2</sup> . . . .	8,981	8,120	8,141	7,498	8,011	10,886	9,707	9,844	8,992	9,232
<b>Federal construction . . . . .</b>	<b>10,413</b>	<b>10,008</b>	<b>10,557</b>	<b>11,240</b>	<b>12,004</b>	<b>13,754</b>	<b>12,753</b>	<b>13,313</b>	<b>13,820</b>	<b>14,341</b>
Total buildings . . . . .	3,151	2,986	3,390	3,796	4,215	4,525	4,080	4,470	4,790	5,181
Housing . . . . .	100	186	198	257	298	141	253	263	330	375
Industrial . . . . .	1,655	1,632	1,809	1,828	1,968	2,379	2,231	2,385	2,305	2,416
Educational . . . . .	30	22	18	11	10	43	30	23	13	12
Hospital . . . . .	640	626	633	724	802	919	855	835	912	983
Other <sup>3</sup> . . . . .	726	520	732	976	1,137	1,043	711	964	1,229	1,395
Highways and streets . . . . .	751	518	468	516	469	856	598	559	614	524
Military facilities . . . . .	1,964	2,205	2,544	2,839	3,235	2,501	2,760	3,183	3,475	3,789
Conservation and development . .	4,404	4,119	4,000	3,927	3,844	5,699	5,099	4,913	4,747	4,569
Miscellaneous public <sup>4</sup> . . . . .	143	181	156	162	241	174	216	189	194	278

See footnotes at end of table.

Table 2. Annual Value of New Public Construction Put in Place: 1964-1995—Con.

[Millions of dollars]

Type of construction	Current dollars					Constant (1992) dollars				
	1986	1987	1988	1989	1990	1986	1987	1988	1989	1990
<b>Total public construction . . . .</b>	<b>84,582</b>	<b>90,648</b>	<b>94,735</b>	<b>98,174</b>	<b>107,478</b>	<b>96,101</b>	<b>100,826</b>	<b>101,928</b>	<b>102,124</b>	<b>108,914</b>
<b>State and local construction . . . .</b>	<b>72,170</b>	<b>76,596</b>	<b>82,471</b>	<b>86,018</b>	<b>95,379</b>	<b>81,736</b>	<b>84,976</b>	<b>88,548</b>	<b>89,345</b>	<b>96,538</b>
Total buildings . . . . .	26,370	27,415	31,052	34,249	38,926	31,226	31,205	34,069	36,184	39,789
Housing and redevelopment . . . .	2,675	2,808	2,873	2,941	3,370	3,212	3,226	3,175	3,124	3,464
Educational . . . . .	10,441	10,623	12,820	14,688	16,044	12,337	12,079	14,052	15,509	16,387
Hospital . . . . .	1,437	1,534	1,872	1,823	2,034	1,702	1,743	2,053	1,925	2,079
Other <sup>1</sup> . . . . .	11,818	12,450	13,487	14,797	17,478	13,975	14,157	14,788	15,626	17,858
Highways and streets . . . . .	24,916	26,668	28,695	28,513	31,877	26,639	28,312	29,632	28,687	31,552
Conservation and development ..	1,251	1,570	1,163	1,400	1,029	1,468	1,819	1,300	1,495	1,070
Sewer systems . . . . .	8,097	9,517	9,521	9,814	10,276	9,499	11,015	10,651	10,497	10,670
Water supply facilities . . . . .	3,368	3,885	4,319	4,179	4,909	3,761	4,274	4,603	4,322	4,987
Miscellaneous nonbuilding <sup>2</sup> . . . .	8,168	7,541	7,722	7,864	8,362	9,144	8,351	8,293	8,159	8,471
<b>Federal construction . . . . .</b>	<b>12,412</b>	<b>14,052</b>	<b>12,264</b>	<b>12,155</b>	<b>12,099</b>	<b>14,365</b>	<b>15,850</b>	<b>13,380</b>	<b>12,779</b>	<b>12,376</b>
Total buildings . . . . .	4,157	4,801	4,141	3,986	4,689	4,929	5,468	4,546	4,212	4,795
Housing . . . . .	354	460	419	500	438	425	528	463	531	451
Industrial . . . . .	1,657	1,457	1,413	1,300	1,434	1,962	1,658	1,550	1,373	1,465
Educational . . . . .	14	4	3	8	11	17	4	4	9	11
Hospital . . . . .	887	1,039	884	829	826	1,049	1,181	969	875	845
Other <sup>3</sup> . . . . .	1,245	1,842	1,422	1,349	1,981	1,476	2,096	1,561	1,424	2,023
Highways and streets . . . . .	402	405	431	234	227	430	430	445	236	225
Military facilities . . . . .	3,868	4,324	3,579	3,520	2,665	4,345	4,747	3,810	3,629	2,683
Conservation and development ..	3,675	3,961	3,606	3,698	3,657	4,314	4,584	4,034	3,958	3,801
Miscellaneous public <sup>4</sup> . . . . .	310	561	507	718	861	347	621	545	744	873

See footnotes at end of table.

Table 2. Annual Value of New Public Construction Put in Place: 1964-1995—Con.

[Millions of dollars]

Type of construction	Current dollars					Constant (1992) dollars				
	1991	1992	1993	1994	1995	1991	1992	1993	1994	1995
<b>Total public construction . . . .</b>	<b>110,109</b>	<b>115,847</b>	<b>120,150</b>	<b>127,055</b>	<b>136,883</b>	<b>110,345</b>	<b>115,872</b>	<b>117,231</b>	<b>119,747</b>	<b>123,579</b>
<b>State and local construction . . . .</b>	<b>97,264</b>	<b>101,471</b>	<b>105,726</b>	<b>112,699</b>	<b>121,148</b>	<b>97,385</b>	<b>101,497</b>	<b>103,204</b>	<b>106,258</b>	<b>109,374</b>
Total buildings . . . . .	41,520	44,022	46,377	48,787	53,740	42,134	44,022	44,677	45,127	47,975
Housing and redevelopment . . . .	3,374	3,977	4,619	4,801	5,576	3,443	3,975	4,405	4,382	4,889
Educational . . . . .	19,183	20,617	22,082	23,430	25,582	19,454	20,616	21,294	21,707	22,881
Hospital . . . . .	2,125	2,626	2,760	3,089	3,305	2,156	2,626	2,661	2,863	2,957
Other <sup>1</sup> . . . . .	16,838	16,801	16,916	17,467	19,277	17,081	16,805	16,317	16,175	17,248
Highways and streets . . . . .	31,806	32,886	34,003	37,327	37,826	31,098	32,912	33,869	36,130	34,626
Conservation and development ..	1,408	1,419	1,692	1,994	2,213	1,426	1,417	1,643	1,878	2,009
Sewer systems . . . . .	10,039	9,663	9,354	10,081	10,869	10,169	9,658	9,095	9,499	9,859
Water supply facilities . . . . .	4,981	5,162	5,373	5,388	6,085	5,083	5,170	5,143	4,911	5,407
Miscellaneous nonbuilding <sup>2</sup> . . . . .	7,510	8,320	8,928	9,122	10,416	7,474	8,318	8,777	8,713	9,498
<b>Federal construction . . . . .</b>	<b>12,845</b>	<b>14,376</b>	<b>14,424</b>	<b>14,356</b>	<b>15,735</b>	<b>12,960</b>	<b>14,375</b>	<b>14,027</b>	<b>13,488</b>	<b>14,205</b>
Total buildings . . . . .	5,886	5,964	5,695	5,142	6,043	5,972	5,966	5,490	4,755	5,398
Housing . . . . .	213	161	236	446	580	217	161	225	406	508
Industrial . . . . .	1,824	1,876	1,718	1,465	1,510	1,850	1,875	1,658	1,358	1,351
Educational . . . . .	20	30	21	26	27	20	30	20	24	24
Hospital . . . . .	703	757	906	851	1,040	713	757	875	789	931
Other <sup>3</sup> . . . . .	3,127	3,141	2,814	2,354	2,887	3,171	3,144	2,713	2,178	2,584
Highways and streets . . . . .	236	220	338	344	333	231	220	336	333	305
Military facilities . . . . .	1,837	2,502	2,453	2,318	3,002	1,831	2,502	2,405	2,196	2,721
Conservation and development ..	3,603	4,533	4,217	4,376	4,176	3,650	4,529	4,102	4,124	3,789
Miscellaneous public <sup>4</sup> . . . . .	1,283	1,157	1,722	2,176	2,181	1,277	1,157	1,693	2,080	1,993

<sup>1</sup>Includes general administrative buildings, prisons, police and fire stations, courthouses, passenger terminals, civic centers, etc.

<sup>2</sup>Includes open amusement and recreational facilities, power generating facilities, transit systems, airfields, open parking facilities, etc.

<sup>3</sup>Includes federal office buildings, prisons, courthouses, space facilities, postal facilities, etc.

<sup>4</sup>Includes federal airport facilities, fish and wildlife preservation facilities, VA cemeteries, etc.

Table 3a. Monthly Value of New Construction Put in Place—Not Seasonally Adjusted in Current Dollars: May 1994-May 1996

[Millions of dollars]

Period	Total new construction	Private construction																All other private <sup>5</sup>	
		Total <sup>1</sup>	Residential buildings					Nonresidential buildings									Public utilities <sup>4</sup>		
			Total <sup>2</sup>	New housing units			Total	Industrial	Office	Hotels, motels	Other commercial	Religious	Educational	Hospital and institutional	Miscellaneous <sup>3</sup>	Total	Telecommunications		
				Total	1 unit	2 units or more													
<b>YEAR TO DATE</b>																			
May 1995	202,311	154,998	86,934	60,652	53,903	6,749	51,851	12,906	10,426	2,591	15,548	1,586	1,987	4,623	2,185	(NA)	4,098	1,141	
May 1996	208,413	159,458	90,734	64,855	56,959	7,896	53,191	12,184	9,174	4,272	16,617	1,647	2,017	4,391	2,890	(NA)	(NA)	920	
Percent change	3	3	4	7	6	17	3	-6	-12	65	7	4	2	-5	32	(NA)	(NA)	-19	
<b>MONTHLY DATA</b>																			
1994: May <sup>f</sup>	45,254	34,806	20,890	14,399	13,233	1,166	10,410	2,463	2,040	447	3,089	327	427	1,085	531	(NA)	810	239	
June <sup>f</sup>	48,477	36,517	22,460	15,339	14,120	1,219	10,476	2,428	1,806	393	3,362	325	472	1,163	527	(NA)	918	262	
July <sup>f</sup>	49,045	36,518	22,830	15,816	14,604	1,213	10,228	2,370	1,741	319	3,466	315	476	1,026	516	(NA)	808	287	
August <sup>f</sup>	51,445	37,974	23,342	16,064	14,718	1,347	10,908	2,521	1,922	356	3,702	381	451	1,081	494	(NA)	993	266	
September <sup>f</sup>	50,829	37,422	22,671	16,055	14,574	1,481	11,167	2,649	2,005	374	3,842	355	402	999	541	(NA)	886	280	
October <sup>f</sup>	49,326	36,823	22,416	15,531	14,183	1,348	10,886	2,586	1,877	378	3,785	367	379	991	524	(NA)	881	270	
November <sup>f</sup>	46,640	35,667	21,122	15,002	13,612	1,390	10,975	2,861	2,048	423	3,382	339	384	1,022	516	(NA)	947	255	
December <sup>f</sup>	41,499	31,745	18,081	12,863	11,543	1,320	10,225	2,721	1,837	434	3,143	326	364	956	443	(NA)	985	217	
1995: January <sup>f</sup>	36,575	28,263	16,011	11,679	10,473	1,206	9,298	2,246	1,878	456	2,765	284	349	898	423	(NA)	746	207	
February <sup>f</sup>	35,643	27,595	14,901	10,755	9,536	1,219	9,668	2,415	1,904	479	2,892	296	364	928	390	(NA)	702	200	
March <sup>f</sup>	40,308	31,144	17,229	12,327	10,921	1,406	10,553	2,566	2,082	623	3,261	296	388	903	434	(NA)	900	224	
April <sup>f</sup>	43,009	32,880	18,574	12,595	11,192	1,403	10,899	2,807	2,152	477	3,266	340	432	943	483	(NA)	885	244	
May <sup>f</sup>	46,776	35,116	20,219	13,296	11,780	1,515	11,433	2,872	2,411	557	3,364	370	453	951	455	(NA)	864	266	
June <sup>f</sup>	49,884	36,874	21,507	13,923	12,420	1,503	11,730	2,808	2,226	571	3,820	368	564	868	504	(NA)	1,032	269	
July <sup>f</sup>	50,047	37,117	21,904	14,646	13,053	1,593	11,766	2,788	2,316	573	3,767	384	588	882	469	(NA)	970	260	
August <sup>f</sup>	52,492	38,121	22,809	15,341	13,645	1,696	11,888	2,725	2,268	595	3,875	412	626	911	475	(NA)	976	235	
September <sup>f</sup>	51,943	37,688	22,231	15,452	13,843	1,609	12,086	2,832	2,144	611	4,095	416	499	958	531	(NA)	917	242	
October <sup>f</sup>	50,997	37,711	22,239	15,358	13,754	1,605	12,029	2,773	2,039	632	4,072	436	437	1,003	637	(NA)	951	241	
November <sup>f</sup>	47,468	35,630	20,966	14,816	13,258	1,558	11,509	2,696	1,944	797	3,713	390	435	965	571	(NA)	936	235	
December <sup>f</sup>	41,937	32,058	18,008	12,711	11,134	1,578	11,090	2,773	1,892	830	3,382	326	358	963	567	(NA)	866	207	
1996: January <sup>f</sup>	37,712	28,828	15,975	11,645	10,246	1,399	10,080	2,424	1,708	785	3,068	314	348	913	521	(NA)	785	192	
February <sup>f</sup>	36,501	28,214	15,183	11,117	9,699	1,419	10,255	2,392	1,765	847	3,150	312	377	857	556	(NA)	753	177	
March <sup>f</sup>	40,506	31,479	17,863	13,089	11,548	1,541	10,475	2,455	1,766	854	3,236	302	414	843	605	(NA)	811	182	
April <sup>f</sup>	44,978	34,493	20,008	14,111	12,312	1,799	11,064	2,453	1,872	893	3,564	356	417	857	653	(NA)	947	183	
May <sup>p</sup>	48,717	36,444	21,705	14,893	13,155	1,737	11,316	2,460	2,063	893	3,600	363	461	922	556	(NA)	(NA)	187	
<b>PERCENT CHANGE</b>																			
April 1996-May 1996	8	6	8	6	7	-3	2	(Z)	10	(Z)	1	2	11	8	-15	(NA)	(NA)	2	

See footnotes at end of table.

Table 3a. **Monthly Value of New Construction Put in Place—Not Seasonally Adjusted in Current Dollars: May 1994-May 1996—Con.**

[Millions of dollars]

Period	Public construction												
	Total	Buildings						Highways and streets	Military facilities	Conservation and development	Sewer systems	Water supply facilities	Miscellaneous public <sup>7</sup>
		Total	Housing and redevelopment	Industrial	Educational	Hospital	Other public buildings <sup>6</sup>						
<b>YEAR TO DATE</b>													
May 1995 .....	47,313	22,594	2,338	640	9,038	1,755	8,823	10,400	1,149	2,531	3,900	2,163	4,576
May 1996 .....	48,955	23,309	2,229	593	9,852	1,931	8,704	11,262	1,343	2,009	4,126	2,334	4,571
Percent change .....	3	3	-5	-7	9	10	-1	8	17	-21	6	8	(Z)
<b>MONTHLY DATA</b>													
1994: May <sup>f</sup> .....	10,448	4,480	455	122	1,932	322	1,650	3,311	184	488	758	412	815
June <sup>f</sup> .....	11,961	4,920	473	121	2,125	365	1,836	3,956	199	521	907	461	998
July <sup>f</sup> .....	12,527	4,850	412	108	2,320	358	1,653	4,419	205	539	898	518	1,097
August <sup>f</sup> .....	13,471	5,132	419	120	2,510	306	1,776	4,852	208	554	981	492	1,252
September <sup>f</sup> .....	13,408	4,961	460	166	2,191	346	1,799	4,495	256	923	1,057	567	1,149
October <sup>f</sup> .....	12,503	4,885	516	112	2,150	316	1,792	4,314	152	496	948	624	1,084
November <sup>f</sup> .....	10,973	4,670	468	119	1,918	329	1,837	3,190	196	519	925	473	1,001
December <sup>f</sup> .....	9,754	4,582	482	126	1,742	360	1,872	2,176	243	599	864	427	863
1995: January <sup>f</sup> .....	8,312	4,179	448	125	1,645	317	1,643	1,538	220	461	741	430	743
February <sup>f</sup> .....	8,048	4,145	425	125	1,669	329	1,596	1,393	178	479	698	433	723
March <sup>f</sup> .....	9,164	4,464	460	136	1,793	344	1,730	1,834	282	567	796	395	826
April <sup>f</sup> .....	10,130	4,724	499	130	1,887	373	1,836	2,308	223	508	787	440	1,140
May <sup>f</sup> .....	11,659	5,082	505	125	2,044	391	2,017	3,328	246	516	878	466	1,144
June <sup>f</sup> .....	13,010	5,609	578	118	2,421	377	2,115	3,855	263	577	1,057	514	1,136
July <sup>f</sup> .....	12,931	5,444	522	123	2,593	364	1,842	4,160	256	554	915	568	1,034
August <sup>f</sup> .....	14,371	5,750	552	123	2,798	321	1,956	4,929	262	653	1,025	606	1,147
September <sup>f</sup> .....	14,255	5,689	564	180	2,526	448	1,971	4,506	361	762	1,060	533	1,345
October <sup>f</sup> .....	13,286	5,154	566	99	2,244	356	1,890	4,588	157	375	1,058	619	1,336
November <sup>f</sup> .....	11,839	4,995	527	117	2,091	375	1,885	3,358	267	479	1,026	596	1,119
December <sup>f</sup> .....	9,879	4,548	510	110	1,896	350	1,682	2,364	290	458	830	487	904
1996: January <sup>f</sup> .....	8,884	4,516	488	105	1,842	355	1,726	1,716	278	381	748	380	865
February <sup>f</sup> .....	8,286	4,144	411	107	1,751	378	1,496	1,703	267	378	696	398	700
March <sup>f</sup> .....	9,027	4,478	406	129	1,930	384	1,629	1,848	286	431	770	417	798
April <sup>f</sup> .....	10,485	4,769	411	122	2,103	366	1,768	2,545	252	413	925	558	1,023
May <sup>p</sup> .....	12,273	5,403	514	130	2,226	447	2,085	3,450	260	406	987	582	1,185
<b>PERCENT CHANGE</b>													
April 1996- May 1996 .....	17	13	25	7	6	22	18	36	3	-2	7	4	16

NA Not available, but estimates are included in totals. <sup>P</sup>Preliminary. <sup>f</sup>Revised. <sup>Z</sup> Less than 0.5 percent.

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



Table 3b. Annual and Monthly Value of New Construction Put in Place—Not Seasonally Adjusted in Current Dollars: 1993-1995

[Millions of dollars]

Type of construction	1993												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Total new construction</b> . . . . .	<b>482,737</b>	<b>31,213</b>	<b>30,556</b>	<b>34,409</b>	<b>37,098</b>	<b>40,279</b>	<b>43,929</b>	<b>44,516</b>	<b>46,533</b>	<b>46,497</b>	<b>45,150</b>	<b>43,508</b>	<b>39,049</b>
<b>Private construction</b> . . . . .	<b>362,587</b>	<b>24,319</b>	<b>23,545</b>	<b>26,696</b>	<b>28,182</b>	<b>30,627</b>	<b>32,571</b>	<b>32,786</b>	<b>34,048</b>	<b>33,650</b>	<b>33,734</b>	<b>32,807</b>	<b>29,622</b>
Residential buildings . . . . .	210,455	13,333	12,544	14,682	16,045	17,782	19,374	19,883	20,499	19,922	20,227	19,406	16,758
New housing units . . . . .	144,071	9,327	8,829	10,298	10,784	11,683	12,675	13,336	13,749	13,845	13,881	13,726	11,938
1 unit . . . . .	133,282	8,644	8,062	9,407	9,969	10,821	11,700	12,318	12,714	12,877	12,940	12,790	11,041
2 units or more . . . . .	10,788	683	767	891	815	862	976	1,017	1,035	968	941	936	897
Improvements . . . . .	66,384	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Nonresidential buildings . . . . .	110,635	7,864	7,923	8,601	8,609	9,299	9,560	9,257	9,981	10,190	9,978	9,872	9,500
Industrial . . . . .	26,482	2,060	2,019	2,269	2,037	2,222	2,203	2,170	2,281	2,304	2,302	2,200	2,415
Office . . . . .	20,920	1,679	1,717	1,769	1,885	1,845	1,790	1,719	1,773	1,694	1,655	1,691	1,703
Hotels, motels . . . . .	4,565	269	280	382	311	472	459	395	412	459	400	408	318
Other commercial . . . . .	32,453	2,148	2,140	2,303	2,373	2,674	2,815	2,662	2,960	3,228	3,156	3,170	2,826
Religious . . . . .	3,887	273	258	314	322	311	301	322	345	395	354	352	341
Educational . . . . .	4,649	253	268	281	311	388	470	523	577	435	411	385	348
Hospital and institutional . . . . .	12,492	888	929	973	986	975	1,065	1,014	1,119	1,149	1,161	1,143	1,090
Miscellaneous <sup>1</sup> . . . . .	5,188	296	312	311	386	412	458	452	515	526	539	522	460
Farm nonresidential . . . . .	3,291	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Public utilities . . . . .	34,925	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Telecommunications . . . . .	9,619	643	633	828	759	742	849	813	835	821	824	916	955
Railroads . . . . .	3,108	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electric light and power . . . . .	15,567	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Gas . . . . .	5,645	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Petroleum pipelines . . . . .	986	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
All other private <sup>2</sup> . . . . .	3,281	260	250	267	277	295	286	293	261	272	280	278	262
<b>Public construction</b> . . . . .	<b>120,150</b>	<b>6,894</b>	<b>7,011</b>	<b>7,713</b>	<b>8,916</b>	<b>9,652</b>	<b>11,358</b>	<b>11,730</b>	<b>12,485</b>	<b>12,848</b>	<b>11,415</b>	<b>10,701</b>	<b>9,427</b>
Buildings . . . . .	52,071	3,452	3,464	3,718	4,023	4,049	4,566	5,008	5,243	5,057	4,639	4,541	4,310
Housing and redevelopment . . . . .	4,855	340	369	354	411	407	484	437	384	422	425	422	400
Industrial . . . . .	1,718	147	134	167	162	131	120	137	138	180	114	118	170
Educational . . . . .	22,103	1,327	1,348	1,357	1,497	1,713	2,052	2,356	2,635	2,184	1,944	1,892	1,798
Hospital . . . . .	3,666	252	248	297	313	274	351	304	329	319	329	339	310
Other <sup>3</sup> . . . . .	19,730	1,386	1,366	1,543	1,640	1,525	1,559	1,774	1,756	1,952	1,826	1,771	1,632
Highways and streets . . . . .	34,341	1,186	1,246	1,517	2,071	2,806	3,803	3,745	3,968	4,366	4,006	3,271	2,357
Military facilities . . . . .	2,453	199	193	233	215	203	195	212	218	241	159	195	191
Conservation and development . . . . .	5,909	390	450	558	465	500	516	502	513	742	427	427	418
Other public construction . . . . .	25,376	1,667	1,658	1,688	2,143	2,094	2,278	2,264	2,542	2,442	2,184	2,266	2,151
Sewer systems . . . . .	9,354	707	673	709	689	746	867	830	893	882	830	780	748
Water supply facilities . . . . .	5,373	348	328	324	461	535	507	485	480	443	506	499	457
Miscellaneous public <sup>4</sup> . . . . .	10,649	612	657	655	993	812	903	949	1,169	1,117	849	987	947

See footnotes at end of table.

Table 3b. Annual and Monthly Value of New Construction Put in Place—Not Seasonally Adjusted in Current Dollars: 1993-1995—Con.

[Millions of dollars]

Type of construction	1994												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Total new construction</b> . . . . .	<b>527,063</b>	<b>33,338</b>	<b>32,425</b>	<b>37,803</b>	<b>40,982</b>	<b>45,254</b>	<b>48,477</b>	<b>49,045</b>	<b>51,445</b>	<b>50,829</b>	<b>49,326</b>	<b>46,640</b>	<b>41,499</b>
<b>Private construction</b> . . . . .	<b>400,008</b>	<b>25,815</b>	<b>25,033</b>	<b>29,649</b>	<b>32,038</b>	<b>34,806</b>	<b>36,517</b>	<b>36,518</b>	<b>37,974</b>	<b>37,422</b>	<b>36,823</b>	<b>35,667</b>	<b>31,745</b>
Residential buildings . . . . .	238,874	15,050	14,186	16,983	18,842	20,890	22,460	22,830	23,342	22,671	22,416	21,122	18,081
New housing units . . . . .	167,919	10,976	10,266	12,363	13,244	14,399	15,339	15,816	16,064	16,055	15,531	15,002	12,863
1 unit . . . . .	153,838	10,180	9,435	11,417	12,220	13,233	14,120	14,604	14,718	14,574	14,183	13,612	11,543
2 units or more . . . . .	14,081	796	831	946	1,024	1,166	1,219	1,213	1,347	1,481	1,348	1,390	1,320
Improvements . . . . .	70,955	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Nonresidential buildings . . . . .	120,285	7,898	7,960	9,330	9,823	10,410	10,476	10,228	10,908	11,167	10,886	10,975	10,225
Industrial . . . . .	28,947	1,917	2,014	2,133	2,284	2,463	2,428	2,370	2,521	2,649	2,586	2,861	2,721
Office . . . . .	22,178	1,447	1,587	1,941	1,927	2,040	1,806	1,741	1,922	2,005	1,877	2,048	1,837
Hotels, motels . . . . .	4,648	313	348	401	464	447	393	319	356	378	378	423	434
Other commercial . . . . .	37,551	2,177	2,106	2,583	2,913	3,089	3,362	3,466	3,702	3,842	3,785	3,382	3,143
Religious . . . . .	3,869	279	270	294	292	327	325	315	381	355	367	339	326
Educational . . . . .	4,822	379	327	394	367	427	476	451	402	379	379	384	364
Hospital and institutional . . . . .	12,268	982	886	1,047	1,029	1,085	1,163	1,026	1,081	999	991	1,022	956
Miscellaneous <sup>1</sup> . . . . .	6,002	404	421	538	547	531	527	516	494	541	524	516	443
Farm nonresidential . . . . .	3,246	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Public utilities . . . . .	34,713	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Telecommunications . . . . .	10,157	632	698	856	743	810	918	808	993	886	881	947	985
Railroads . . . . .	3,340	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electric light and power . . . . .	14,918	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Gas . . . . .	5,300	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Petroleum pipelines . . . . .	998	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
All other private <sup>2</sup> . . . . .	2,890	234	194	188	199	239	262	287	266	280	270	255	217
<b>Public construction</b> . . . . .	<b>127,055</b>	<b>7,523</b>	<b>7,392</b>	<b>8,154</b>	<b>8,944</b>	<b>10,448</b>	<b>11,961</b>	<b>12,527</b>	<b>13,471</b>	<b>13,408</b>	<b>12,503</b>	<b>10,973</b>	<b>9,754</b>
Buildings . . . . .	53,930	3,607	3,769	4,030	4,042	4,480	4,920	4,850	5,132	4,961	4,885	4,670	4,582
Housing and redevelopment . . . . .	5,247	364	338	434	428	455	473	412	419	460	516	468	482
Industrial . . . . .	1,465	100	109	142	121	122	121	108	120	166	112	119	126
Educational . . . . .	23,457	1,603	1,598	1,665	1,703	1,932	2,125	2,320	2,510	2,191	2,150	1,918	1,742
Hospital . . . . .	3,940	300	312	328	300	322	365	358	306	346	316	329	360
Other <sup>3</sup> . . . . .	19,821	1,241	1,412	1,462	1,491	1,650	1,836	1,653	1,776	1,799	1,792	1,837	1,872
Highways and streets . . . . .	37,671	1,533	1,362	1,784	2,281	3,311	3,956	4,419	4,852	4,495	4,314	3,190	2,176
Military facilities . . . . .	2,318	211	128	168	169	184	199	205	208	256	152	196	243
Conservation and development . . . . .	6,370	390	466	398	477	488	521	539	554	923	496	519	599
Other public construction . . . . .	26,767	1,782	1,667	1,775	1,975	1,985	2,365	2,513	2,725	2,772	2,655	2,398	2,154
Sewer systems . . . . .	10,081	664	591	722	767	758	907	898	981	1,057	948	925	864
Water supply facilities . . . . .	5,388	375	291	362	387	412	461	518	492	567	624	473	427
Miscellaneous public <sup>4</sup> . . . . .	11,298	742	785	692	821	815	998	1,097	1,252	1,149	1,084	1,001	863

See footnotes at end of table.

Table 3b. Annual and Monthly Value of New Construction Put in Place—Not Seasonally Adjusted in Current Dollars: 1993-1995—Con.

[Millions of dollars]

Type of construction	1995												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Total new construction</b> . . . . .	<b>547,079</b>	<b>36,575</b>	<b>35,643</b>	<b>40,308</b>	<b>43,009</b>	<b>46,776</b>	<b>49,884</b>	<b>50,047</b>	<b>52,492</b>	<b>51,943</b>	<b>50,997</b>	<b>47,468</b>	<b>41,937</b>
<b>Private construction</b> . . . . .	<b>410,196</b>	<b>28,263</b>	<b>27,595</b>	<b>31,144</b>	<b>32,880</b>	<b>35,116</b>	<b>36,874</b>	<b>37,117</b>	<b>38,121</b>	<b>37,688</b>	<b>37,711</b>	<b>35,630</b>	<b>32,058</b>
Residential buildings . . . . .	236,597	16,011	14,901	17,229	18,574	20,219	21,507	21,904	22,809	22,231	22,239	20,966	18,008
New housing units . . . . .	162,898	11,679	10,755	12,327	12,595	13,296	13,923	14,646	15,341	15,452	15,358	14,816	12,711
1 unit . . . . .	145,009	10,473	9,536	10,921	11,192	11,780	12,420	13,053	13,645	13,843	13,754	13,258	11,134
2 units or more . . . . .	17,889	1,206	1,219	1,406	1,403	1,515	1,503	1,593	1,696	1,609	1,605	1,558	1,578
Improvements . . . . .	73,699	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Nonresidential buildings . . . . .	133,949	9,298	9,668	10,553	10,899	11,433	11,730	11,766	11,888	12,086	12,029	11,509	11,090
Industrial . . . . .	32,301	2,246	2,415	2,566	2,807	2,872	2,808	2,788	2,725	2,832	2,773	2,696	2,773
Office . . . . .	25,254	1,878	1,904	2,082	2,152	2,411	2,226	2,316	2,268	2,144	2,039	1,944	1,892
Hotels, motels . . . . .	7,201	456	479	623	477	557	571	573	595	611	632	797	830
Other commercial . . . . .	42,272	2,765	2,892	3,261	3,266	3,364	3,820	3,767	3,875	4,095	4,072	3,713	3,382
Religious . . . . .	4,318	284	296	296	340	370	368	384	412	416	436	390	326
Educational . . . . .	5,493	349	364	388	432	453	588	568	626	499	437	435	358
Hospital and institutional . . . . .	11,173	898	928	903	943	951	868	882	911	958	1,003	965	963
Miscellaneous <sup>1</sup> . . . . .	5,937	423	390	434	483	455	504	469	475	531	637	571	567
Farm nonresidential . . . . .	3,473	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Public utilities . . . . .	33,348	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Telecommunications . . . . .	10,747	746	702	900	885	864	1,032	970	976	917	951	936	866
Railroads . . . . .	3,341	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electric light and power . . . . .	13,126	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Gas . . . . .	5,205	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Petroleum pipelines . . . . .	929	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
All other private <sup>2</sup> . . . . .	2,829	207	200	224	244	266	269	260	235	242	241	235	207
<b>Public construction</b> . . . . .	<b>136,883</b>	<b>8,312</b>	<b>8,048</b>	<b>9,164</b>	<b>10,130</b>	<b>11,659</b>	<b>13,010</b>	<b>12,931</b>	<b>14,371</b>	<b>14,255</b>	<b>13,286</b>	<b>11,839</b>	<b>9,879</b>
Buildings . . . . .	59,783	4,179	4,145	4,464	4,724	5,082	5,609	5,444	5,750	5,689	5,154	4,995	4,548
Housing and redevelopment . . . . .	6,156	448	425	460	499	505	578	522	552	564	566	527	510
Industrial . . . . .	1,510	125	125	136	130	125	118	123	123	180	99	117	110
Educational . . . . .	25,608	1,645	1,669	1,793	1,887	2,044	2,421	2,593	2,798	2,526	2,244	2,091	1,896
Hospital . . . . .	4,345	317	329	344	373	391	377	364	321	448	356	375	350
Other <sup>3</sup> . . . . .	22,164	1,643	1,596	1,730	1,836	2,017	2,115	1,842	1,956	1,971	1,890	1,885	1,682
Highways and streets . . . . .	38,159	1,538	1,393	1,834	2,308	3,328	3,855	4,160	4,929	4,506	4,588	3,358	2,364
Military facilities . . . . .	3,002	220	178	282	223	246	263	256	262	361	157	267	290
Conservation and development . . . . .	6,389	461	479	567	508	516	577	554	653	762	375	479	458
Other public construction . . . . .	29,550	1,914	1,853	2,017	2,366	2,488	2,706	2,517	2,778	2,937	3,012	2,741	2,221
Sewer systems . . . . .	10,869	741	698	796	787	878	1,057	915	1,025	1,060	1,058	1,026	830
Water supply facilities . . . . .	6,085	430	433	395	440	466	514	568	606	533	619	596	487
Miscellaneous public <sup>4</sup> . . . . .	12,597	743	723	826	1,140	1,144	1,136	1,034	1,147	1,345	1,336	1,119	904

NA Not available, but estimates are included in total.

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

Table 4a. **Monthly Value of New Construction Put in Place—Seasonally Adjusted Annual Rate in Current Dollars: May 1994-May 1996**

[Millions of dollars]

Period	Total new construction	Private construction																	All other private <sup>5</sup>	
		Total <sup>1</sup>	Residential buildings					Nonresidential buildings										Public utilities <sup>4</sup>		
			Total <sup>2</sup>	New housing units			Total	Industrial	Office	Hotels, motels	Other commercial	Religious	Educational	Hospital and institutional	Miscellaneous <sup>3</sup>	Total	Telecommunications			
				Total	1 unit	2 units or more														
1994: May <sup>f</sup> . . . . .	526,595	403,059	240,980	170,744	157,227	13,517	121,728	28,863	22,988	4,937	36,775	4,020	4,963	12,882	6,300	(NA)	9,633	2,787		
June <sup>f</sup> . . . . .	529,948	403,361	241,678	170,998	157,467	13,532	121,150	28,287	21,604	4,486	38,172	3,991	4,754	13,726	6,130	(NA)	10,166	2,936		
July <sup>f</sup> . . . . .	531,976	400,978	240,851	170,300	156,890	13,410	119,595	28,186	21,126	3,732	39,054	3,871	4,869	12,705	6,053	(NA)	9,977	3,163		
August <sup>f</sup> . . . . .	530,744	403,993	240,386	169,554	155,060	14,494	121,628	29,314	22,047	4,211	39,415	4,060	4,465	12,564	5,552	(NA)	10,649	3,072		
September <sup>f</sup> . . . . .	535,189	406,266	242,418	170,829	153,950	16,880	122,946	30,274	23,049	4,293	39,541	3,715	4,401	11,643	6,028	(NA)	10,015	3,072		
October <sup>f</sup> . . . . .	536,509	402,554	239,909	167,688	152,366	15,323	122,623	29,248	22,612	4,592	40,622	3,879	4,483	11,393	5,793	(NA)	10,100	2,940		
November <sup>f</sup> . . . . .	539,847	410,777	241,309	168,162	151,811	16,351	128,334	34,026	24,113	5,163	38,767	3,710	4,910	11,796	5,850	(NA)	10,404	2,850		
December <sup>f</sup> . . . . .	545,940	412,358	243,607	169,768	153,056	16,711	126,255	31,396	23,371	5,426	39,740	4,004	5,035	11,675	5,607	(NA)	11,110	2,770		
1995: January <sup>f</sup> . . . . .	542,682	411,081	242,504	169,184	152,339	16,845	127,047	30,114	24,201	6,020	40,466	3,901	5,095	11,358	5,893	(NA)	11,026	2,750		
February <sup>f</sup> . . . . .	545,532	414,887	240,496	167,438	150,374	17,065	132,172	32,200	24,383	6,219	42,480	4,160	5,390	11,866	5,473	(NA)	10,242	2,897		
March <sup>f</sup> . . . . .	547,886	413,202	237,763	163,771	145,452	18,319	133,946	32,075	25,058	7,539	43,620	3,916	5,199	11,013	5,525	(NA)	10,989	3,001		
April <sup>f</sup> . . . . .	549,273	410,812	234,221	159,871	142,420	17,452	135,161	34,336	25,588	5,617	42,458	4,399	5,575	11,571	5,617	(NA)	11,765	3,127		
May <sup>f</sup> . . . . .	541,548	405,495	232,480	157,569	140,104	17,465	133,296	33,591	27,118	6,313	39,849	4,462	5,261	11,230	5,473	(NA)	10,042	3,093		
June <sup>f</sup> . . . . .	545,145	406,799	231,082	155,869	139,025	16,844	134,482	32,746	26,139	6,357	42,964	4,535	5,702	10,216	5,822	(NA)	11,390	3,023		
July <sup>f</sup> . . . . .	545,004	409,444	231,325	158,319	140,605	17,714	137,695	33,059	28,356	6,792	42,645	4,623	5,831	10,832	5,557	(NA)	11,844	2,858		
August <sup>f</sup> . . . . .	542,324	405,911	234,464	161,783	143,633	18,150	133,098	31,809	26,167	6,903	41,744	4,426	6,121	10,655	5,273	(NA)	10,260	2,741		
September <sup>f</sup> . . . . .	550,467	411,326	237,663	164,310	145,975	18,335	134,793	32,427	25,003	7,365	42,657	4,431	5,652	11,225	6,032	(NA)	10,739	2,682		
October <sup>f</sup> . . . . .	549,952	410,550	237,952	165,774	147,625	18,149	133,914	31,422	23,939	7,335	43,320	4,520	5,189	11,369	6,821	(NA)	10,501	2,626		
November <sup>f</sup> . . . . .	549,745	411,015	239,938	166,432	147,997	18,434	134,713	32,032	23,207	9,708	42,348	4,281	5,394	11,228	6,515	(NA)	10,351	2,619		
December <sup>f</sup> . . . . .	555,702	417,191	243,104	168,147	148,283	19,864	137,111	31,996	23,769	10,471	42,678	4,082	5,099	11,868	7,148	(NA)	10,354	2,612		
1996: January <sup>f</sup> . . . . .	558,952	418,896	242,474	169,188	149,752	19,436	137,412	32,495	22,274	10,338	44,201	4,224	5,110	11,468	7,301	(NA)	11,367	2,538		
February <sup>f</sup> . . . . .	544,577	411,248	238,558	166,911	147,696	19,215	134,914	30,792	22,154	10,191	44,307	4,209	5,247	10,620	7,394	(NA)	10,441	2,464		
March <sup>f</sup> . . . . .	556,983	419,726	245,881	173,821	153,802	20,018	134,302	30,593	21,827	10,321	43,676	4,134	5,724	10,483	7,543	(NA)	10,500	2,453		
April <sup>f</sup> . . . . .	568,334	427,707	251,920	178,589	156,006	22,583	135,141	30,285	22,028	10,092	45,396	4,375	5,298	10,201	7,465	(NA)	11,587	2,339		
May <sup>p</sup> . . . . .	563,352	420,192	248,904	175,194	155,071	20,123	131,894	28,805	23,135	10,004	42,389	4,463	5,304	11,058	6,736	(NA)	(NA)	2,167		
<b>PERCENT CHANGE</b>																				
April 1996-																				
May 1996 . . . . .	-1	-2	-1	-2	-1	-11	-2	-5	5	-1	-7	2	(Z)	8	-10	(NA)	(NA)	-7		

See footnotes at end of table.

Table 4a. Monthly Value of New Construction Put in Place—Seasonally Adjusted Annual Rate in Current Dollars: May 1994-May 1996—Con.

[Millions of dollars]

Period	Public construction												
	Total	Buildings						Highways and streets	Military facilities	Conservation and development	Sewer systems	Water supply facilities	Miscellaneous public <sup>7</sup>
		Total	Housing and redevelopment	Industrial	Educational	Hospital	Other public buildings <sup>6</sup>						
1994: May <sup>f</sup> . . . . .	123,537	53,435	5,411	1,497	23,580	3,934	19,013	37,839	2,187	5,919	9,436	4,755	9,966
June <sup>f</sup> . . . . .	126,587	54,303	5,286	1,381	22,812	4,218	20,606	37,914	2,460	5,861	9,962	5,026	11,062
July <sup>f</sup> . . . . .	130,998	52,837	4,820	1,278	22,842	4,247	19,650	41,496	2,330	6,149	10,363	5,740	12,084
August <sup>f</sup> . . . . .	126,752	52,841	5,000	1,435	22,826	3,597	19,981	38,082	2,442	5,713	10,108	5,317	12,249
September <sup>f</sup> . . . . .	128,923	53,190	5,177	1,525	23,052	3,852	19,584	37,585	2,326	7,573	10,874	6,269	11,107
October <sup>f</sup> . . . . .	133,955	57,886	6,061	1,536	25,474	3,727	21,087	38,062	2,312	7,322	9,967	6,407	11,999
November <sup>f</sup> . . . . .	129,070	56,422	5,385	1,543	24,124	3,903	21,466	36,626	2,235	6,443	10,328	5,359	11,657
December <sup>f</sup> . . . . .	133,582	58,789	5,919	1,501	23,780	4,292	23,297	35,863	2,742	7,843	11,422	5,459	11,464
1995: January <sup>f</sup> . . . . .	131,601	57,719	5,792	1,623	23,928	4,107	22,268	35,977	2,818	6,733	10,748	6,178	11,428
February <sup>f</sup> . . . . .	130,645	58,253	5,654	1,706	24,787	4,296	21,811	34,383	2,711	7,011	10,514	6,724	11,049
March <sup>f</sup> . . . . .	134,684	59,063	5,796	1,606	25,193	4,309	22,160	37,621	3,144	7,237	10,577	5,452	11,589
April <sup>f</sup> . . . . .	138,461	60,399	6,130	1,563	25,559	4,539	22,607	37,278	2,911	6,692	10,272	5,653	15,257
May <sup>f</sup> . . . . .	136,053	60,656	6,046	1,497	25,052	4,719	23,342	37,044	2,935	6,069	10,581	5,351	13,418
June <sup>f</sup> . . . . .	138,346	61,574	6,375	1,346	25,923	4,353	23,577	37,307	2,980	6,422	11,951	5,660	12,451
July <sup>f</sup> . . . . .	135,560	59,453	6,263	1,426	25,546	4,320	21,897	38,343	3,152	6,440	10,618	6,115	11,439
August <sup>f</sup> . . . . .	136,413	58,626	6,364	1,498	25,141	3,877	21,745	38,809	3,131	7,003	10,582	6,561	11,701
September <sup>f</sup> . . . . .	139,140	61,672	6,398	1,636	27,103	4,797	21,738	38,209	3,218	6,212	10,923	5,979	12,928
October <sup>f</sup> . . . . .	139,402	59,688	6,540	1,412	26,123	4,120	21,493	40,125	2,295	5,222	11,201	6,422	14,449
November <sup>f</sup> . . . . .	138,729	60,232	6,181	1,467	26,088	4,556	21,940	38,344	3,217	5,888	11,412	6,594	13,042
December <sup>f</sup> . . . . .	138,510	59,643	6,368	1,367	26,388	4,189	21,331	40,402	3,211	6,014	10,846	6,317	12,078
1996: January <sup>f</sup> . . . . .	140,056	62,748	6,381	1,350	26,983	4,553	23,481	39,444	3,554	5,352	10,556	5,469	12,933
February <sup>f</sup> . . . . .	133,329	55,928	5,198	1,407	24,931	4,868	19,524	40,956	3,982	5,455	10,456	5,992	10,559
March <sup>f</sup> . . . . .	137,257	60,264	5,142	1,560	27,506	4,783	21,273	39,527	3,126	5,811	10,737	5,916	11,876
April <sup>f</sup> . . . . .	140,627	60,027	5,048	1,448	27,850	4,344	21,337	39,866	3,182	5,173	12,294	7,122	12,962
May <sup>p</sup> . . . . .	143,160	64,051	5,960	1,485	27,342	5,414	23,850	38,875	3,017	4,755	11,810	6,709	13,942
<b>PERCENT CHANGE</b>													
April 1996- May 1996. . . . .	2	7	18	3	-2	25	12	-2	-5	-8	-4	-6	8

NA Not available, but estimates are included in totals. <sup>p</sup>Preliminary. <sup>f</sup>Revised. <sup>Z</sup> Less than 0.5 percent.

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

Table 4b. **Monthly Value of New Construction Put in Place—Seasonally Adjusted Annual Rate in Current Dollars: 1993-1995**

[Millions of dollars]

Type of construction	1993											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Total new construction</b> .....	<b>464,880</b>	<b>468,068</b>	<b>468,589</b>	<b>467,906</b>	<b>470,894</b>	<b>479,389</b>	<b>480,731</b>	<b>482,670</b>	<b>489,706</b>	<b>491,255</b>	<b>503,140</b>	<b>512,060</b>
<b>Private construction</b> .....	<b>355,831</b>	<b>354,215</b>	<b>355,308</b>	<b>349,602</b>	<b>355,994</b>	<b>358,876</b>	<b>358,963</b>	<b>362,294</b>	<b>366,201</b>	<b>369,084</b>	<b>377,390</b>	<b>383,662</b>
Residential buildings .....	203,975	204,045	204,700	202,803	204,485	207,138	208,549	210,585	212,698	216,203	221,852	226,034
New housing units .....	136,173	138,679	138,609	137,449	138,490	140,536	142,805	144,891	146,941	149,637	153,964	157,827
1 unit .....	126,655	127,967	126,979	127,257	128,434	129,756	131,512	133,709	136,019	139,020	142,777	146,567
2 units or more .....	9,518	10,712	11,630	10,191	10,056	10,780	11,293	11,182	10,922	10,617	11,187	11,259
Improvements .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Nonresidential buildings .....	107,950	107,543	108,819	105,016	110,439	110,500	108,324	111,263	113,111	112,340	114,757	116,212
Industrial .....	27,589	27,040	28,511	25,045	26,039	25,616	25,885	26,472	26,281	25,962	26,139	27,892
Office .....	21,900	21,825	21,190	21,787	21,619	21,142	21,006	20,356	19,721	19,626	19,797	21,373
Hotels, motels .....	3,678	3,650	4,632	3,534	5,453	5,251	4,553	4,731	5,405	4,837	4,907	3,957
Other commercial .....	31,551	31,317	31,045	30,231	32,087	32,167	30,046	31,540	33,481	33,720	36,336	34,996
Religious .....	3,847	3,586	4,040	4,062	3,917	3,705	3,889	3,725	4,127	3,823	3,812	4,106
Educational .....	3,787	3,937	3,757	3,918	4,535	4,902	5,203	5,697	4,737	4,993	4,786	4,815
Hospital and institutional .....	11,431	11,863	11,685	11,945	11,732	12,454	12,418	13,080	13,466	13,435	13,037	13,311
Miscellaneous <sup>1</sup> .....	4,167	4,325	3,959	4,494	5,058	5,264	5,324	5,662	5,892	5,944	5,943	5,762
Farm nonresidential .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Public utilities .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Telecommunications .....	10,019	9,221	9,990	9,462	9,126	9,402	9,477	9,177	9,288	9,539	9,970	10,753
Railroads .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electric light and power .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Gas .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Petroleum pipelines .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
All other private <sup>2</sup> .....	3,465	3,589	3,591	3,555	3,469	3,232	3,270	3,018	2,961	3,052	3,106	3,277
<b>Public construction</b> .....	<b>109,049</b>	<b>113,853</b>	<b>113,281</b>	<b>118,304</b>	<b>114,900</b>	<b>120,512</b>	<b>121,768</b>	<b>120,376</b>	<b>123,505</b>	<b>122,171</b>	<b>125,750</b>	<b>128,399</b>
Buildings .....	48,316	48,371	49,313	50,150	49,027	50,423	53,739	53,572	54,433	55,063	54,682	55,633
Housing and redevelopment .....	4,462	4,897	4,510	4,963	4,976	5,333	5,025	4,517	4,858	4,878	4,904	4,971
Industrial .....	1,884	1,851	1,997	1,899	1,548	1,403	1,555	1,686	1,669	1,612	1,487	2,080
Educational .....	19,581	19,794	19,334	19,912	21,210	22,268	22,855	23,768	23,087	23,151	23,674	24,492
Hospital .....	3,292	3,255	3,621	3,819	3,380	3,916	3,606	3,909	3,612	3,937	3,980	3,727
Other <sup>3</sup> .....	19,097	18,573	19,850	19,558	17,913	17,503	20,697	19,692	21,208	21,486	20,637	20,364
Highways and streets .....	27,747	30,647	31,059	32,439	31,973	36,717	34,539	32,110	36,079	35,793	37,601	38,010
Military facilities .....	2,447	2,942	2,662	2,631	2,496	2,278	2,429	2,553	2,387	2,249	2,206	2,176
Conservation and development .....	5,671	6,540	7,037	5,725	6,115	5,840	5,733	5,519	6,104	6,109	5,303	5,218
Other public construction .....	24,867	25,353	23,210	27,359	25,290	25,254	25,329	26,622	24,502	22,957	25,957	27,363
Sewer systems .....	10,335	10,135	9,494	8,904	9,223	9,617	9,612	9,558	8,770	8,663	9,043	9,482
Water supply facilities .....	4,994	5,107	4,464	5,875	6,059	5,679	5,322	5,224	4,864	5,352	5,548	5,815
Miscellaneous public <sup>4</sup> .....	9,538	10,111	9,252	12,580	10,008	9,958	10,395	11,839	10,869	8,942	11,365	12,066

See footnotes at end of table.

Table 4b. **Monthly Value of New Construction Put in Place—Seasonally Adjusted Annual Rate in Current Dollars: 1993-1995—Con.**

[Millions of dollars]

Type of construction	1994											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Total new construction</b> .....	<b>499,598</b>	<b>498,903</b>	<b>515,855</b>	<b>520,511</b>	<b>526,595</b>	<b>529,948</b>	<b>531,976</b>	<b>530,744</b>	<b>535,189</b>	<b>536,509</b>	<b>539,847</b>	<b>545,940</b>
<b>Private construction</b> .....	<b>377,814</b>	<b>378,431</b>	<b>394,070</b>	<b>399,465</b>	<b>403,058</b>	<b>403,361</b>	<b>400,978</b>	<b>403,993</b>	<b>406,266</b>	<b>402,554</b>	<b>410,777</b>	<b>412,358</b>
Residential buildings .....	228,381	229,880	234,897	238,076	240,980	241,678	240,851	240,386	242,418	239,909	241,309	243,607
New housing units .....	159,427	160,805	165,162	168,464	170,744	170,998	170,300	169,554	170,829	167,688	168,162	169,768
1 unit .....	148,250	149,165	152,908	155,668	157,227	157,467	156,890	155,060	153,950	152,366	151,811	153,056
2 units or more .....	11,178	11,640	12,254	12,796	13,517	13,532	13,410	14,494	16,880	15,323	16,351	16,711
Improvements .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Nonresidential buildings .....	108,992	108,295	118,533	121,141	121,728	121,150	119,595	121,628	122,946	122,623	128,334	126,255
Industrial .....	25,674	26,883	26,746	27,996	28,863	28,287	28,186	29,314	30,274	29,248	34,026	31,396
Office .....	19,101	20,239	23,508	22,540	22,988	21,604	21,126	22,047	23,049	22,612	24,113	23,371
Hotels, motels .....	4,315	4,527	4,763	5,504	4,937	4,486	3,732	4,211	4,293	4,592	5,163	5,426
Other commercial .....	32,137	30,863	35,148	37,544	36,775	38,172	39,054	39,415	39,541	40,622	38,767	39,740
Religious .....	3,890	3,768	3,808	3,761	4,020	3,991	3,871	4,060	3,715	3,879	3,710	4,004
Educational .....	5,536	4,827	5,227	4,963	4,775	4,754	4,869	4,465	4,401	4,483	4,910	5,035
Hospital and institutional .....	12,559	11,325	12,621	12,541	12,882	13,726	12,705	12,564	11,643	11,393	11,796	11,675
Miscellaneous <sup>1</sup> .....	5,780	5,863	6,711	6,480	6,300	6,130	6,053	5,552	6,028	5,793	5,850	5,607
Farm nonresidential .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Public utilities .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Telecommunications .....	9,717	10,182	10,115	9,596	9,633	10,166	9,977	10,649	10,015	10,100	10,404	11,110
Railroads .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electric light and power .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Gas .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Petroleum pipelines .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
All other private <sup>2</sup> .....	3,129	2,804	2,548	2,554	2,787	2,936	3,163	3,072	3,072	2,940	2,850	2,770
<b>Public construction</b> .....	<b>121,784</b>	<b>120,473</b>	<b>121,786</b>	<b>121,046</b>	<b>123,537</b>	<b>126,587</b>	<b>130,998</b>	<b>126,752</b>	<b>128,923</b>	<b>133,955</b>	<b>129,070</b>	<b>133,582</b>
Buildings .....	50,895	52,851	52,964	51,597	53,435	54,303	52,837	52,841	53,190	57,886	56,422	58,789
Housing and redevelopment .....	4,840	4,475	5,313	5,230	5,411	5,286	4,820	5,000	5,177	6,061	5,385	5,919
Industrial .....	1,249	1,496	1,729	1,399	1,497	1,381	1,278	1,435	1,525	1,536	1,543	1,501
Educational .....	23,664	23,591	23,305	23,163	23,580	22,812	22,842	22,826	23,052	25,474	24,124	23,780
Hospital .....	3,918	4,062	4,063	3,584	3,934	4,218	4,247	3,597	3,852	3,727	3,903	4,292
Other <sup>3</sup> .....	17,225	19,227	18,554	18,221	19,013	20,606	19,650	19,981	19,584	21,087	21,466	23,297
Highways and streets .....	35,864	33,551	36,524	36,112	37,839	37,914	41,496	38,082	37,585	38,062	36,626	35,863
Military facilities .....	2,799	1,944	1,961	2,029	2,187	2,460	2,330	2,442	2,326	2,312	2,235	2,742
Conservation and development .....	5,698	6,763	5,299	5,954	5,919	5,861	6,149	5,713	7,573	7,322	6,443	7,843
Other public construction .....	26,527	25,364	25,037	25,354	24,156	26,049	28,186	27,674	28,250	28,373	27,344	28,345
Sewer systems .....	9,661	8,884	9,709	9,961	9,436	9,962	10,363	10,108	10,874	9,967	10,328	11,422
Water supply facilities .....	5,283	4,532	5,022	4,999	4,755	5,026	5,740	5,317	6,269	6,407	5,359	5,459
Miscellaneous public <sup>4</sup> .....	11,583	11,947	10,306	10,394	9,966	11,062	12,084	12,249	11,107	11,999	11,657	11,464

See footnotes at end of table.

Table 4b. **Monthly Value of New Construction Put in Place—Seasonally Adjusted Annual Rate in Current Dollars: 1993-1995—Con.**

[Millions of dollars]

Type of construction	1995											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Total new construction</b> .....	<b>542,682</b>	<b>545,532</b>	<b>547,886</b>	<b>549,273</b>	<b>541,548</b>	<b>545,145</b>	<b>545,004</b>	<b>542,324</b>	<b>550,467</b>	<b>549,952</b>	<b>549,745</b>	<b>555,701</b>
<b>Private construction</b> .....	<b>411,081</b>	<b>414,887</b>	<b>413,202</b>	<b>410,812</b>	<b>405,495</b>	<b>406,799</b>	<b>409,444</b>	<b>405,911</b>	<b>411,326</b>	<b>410,550</b>	<b>411,015</b>	<b>417,191</b>
Residential buildings .....	242,504	240,496	237,763	234,221	232,480	231,082	231,325	234,464	237,663	237,952	239,938	243,104
New housing units .....	169,184	167,438	163,771	159,871	157,569	155,869	158,319	161,782	164,310	165,774	166,432	168,147
1 unit .....	152,339	150,374	145,452	142,420	140,104	139,025	140,605	143,633	145,975	147,625	147,997	148,283
2 units or more .....	16,845	17,065	18,319	17,452	17,465	16,844	17,714	18,150	18,335	18,149	18,434	19,864
Improvements .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Nonresidential buildings .....	127,047	132,172	133,946	135,161	133,296	134,482	137,695	133,098	134,793	133,914	134,713	137,111
Industrial .....	30,114	32,200	32,075	34,336	33,591	32,746	33,059	31,809	32,427	31,422	32,032	31,996
Office .....	24,201	24,383	25,058	25,588	27,118	26,139	28,356	26,167	25,003	23,939	23,207	23,769
Hotels, motels .....	6,020	6,219	7,539	5,617	6,313	6,357	6,792	6,903	7,365	7,335	9,708	10,471
Other commercial .....	40,466	42,480	43,620	42,458	39,849	42,964	42,645	41,744	42,657	43,320	42,348	42,678
Religious .....	3,901	4,160	3,916	4,399	4,462	4,535	4,623	4,426	4,431	4,520	4,281	4,082
Educational .....	5,095	5,390	5,199	5,261	5,275	5,702	5,831	6,121	5,652	5,189	5,394	5,099
Hospital and institutional .....	11,358	11,866	11,013	11,571	11,230	10,216	10,832	10,655	11,225	11,369	11,228	11,868
Miscellaneous <sup>1</sup> .....	5,893	5,473	5,525	5,617	5,473	5,822	5,557	5,273	6,032	6,821	6,515	7,148
Farm nonresidential .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Public utilities .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Telecommunications .....	11,026	10,242	10,989	11,765	10,042	11,390	11,844	10,260	10,739	10,501	10,351	10,354
Railroads .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electric light and power .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Gas .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Petroleum pipelines .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
All other private <sup>2</sup> .....	2,750	2,897	3,001	3,127	3,093	3,023	2,858	2,741	2,682	2,626	2,619	2,612
<b>Public construction</b> .....	<b>131,601</b>	<b>130,645</b>	<b>134,684</b>	<b>138,461</b>	<b>136,053</b>	<b>138,346</b>	<b>135,560</b>	<b>136,413</b>	<b>139,140</b>	<b>139,402</b>	<b>138,729</b>	<b>138,510</b>
Buildings .....	57,719	58,253	59,063	60,399	60,656	61,574	59,453	58,626	61,672	59,688	60,232	59,643
Housing and redevelopment .....	5,792	5,654	5,796	6,130	6,046	6,375	6,263	6,364	6,398	6,540	6,181	6,368
Industrial .....	1,623	1,706	1,606	1,563	1,497	1,346	1,426	1,498	1,636	1,412	1,467	1,367
Educational .....	23,928	24,787	25,193	25,559	25,052	25,923	25,546	25,141	27,103	26,123	26,088	26,388
Hospital .....	4,107	4,296	4,309	4,539	4,719	4,353	4,320	3,877	4,797	4,120	4,556	4,189
Other <sup>3</sup> .....	22,268	21,811	22,160	22,607	23,342	23,577	21,897	21,745	21,738	21,493	21,940	21,331
Highways and streets .....	35,977	34,383	37,621	37,278	37,044	37,307	38,343	38,809	38,209	40,125	38,344	40,402
Military facilities .....	2,818	2,711	3,144	2,911	2,935	2,980	3,152	3,131	3,218	2,295	3,217	3,211
Conservation and development .....	6,733	7,011	7,237	6,692	6,069	6,422	6,440	7,003	6,212	5,222	5,888	6,014
Other public construction .....	28,354	28,287	27,618	31,182	29,349	30,062	28,172	28,844	29,829	32,073	31,048	29,240
Sewer systems .....	10,748	10,514	10,577	10,272	10,581	11,951	10,618	10,582	10,923	11,201	11,412	10,846
Water supply facilities .....	6,178	6,724	5,452	5,653	5,351	5,660	6,115	6,561	5,979	6,422	6,594	6,317
Miscellaneous public <sup>4</sup> .....	11,428	11,049	11,589	15,257	13,418	12,451	11,439	11,701	12,928	14,449	13,042	12,078

NA Not available, but estimates are included in total.

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



Table 5a. Monthly Value of New Construction Put in Place—Seasonally Adjusted Annual Rate in 1992 Dollars: May 1994-May 1996

[Millions of dollars]

Period	Total new construction	Private construction																	All other private <sup>5</sup>	
		Total <sup>1</sup>	Residential buildings					Nonresidential buildings										Public utilities <sup>4</sup>		
			Total <sup>2</sup>	New housing units			Total	Industrial	Office	Hotels, motels	Other commercial	Religious	Educational	Hospital and institutional	Miscellaneous <sup>3</sup>	Total	Telecommunications			
				Total	1 unit	2 units or more														
1994: May <sup>f</sup> . . . . .	492,130	374,562	222,717	157,804	145,312	12,492	113,658	26,950	21,464	4,610	34,337	3,754	4,634	12,028	5,882	(NA)	9,398	2,688		
June <sup>f</sup> . . . . .	493,265	373,080	221,927	157,023	144,597	12,426	112,698	26,314	20,096	4,173	35,509	3,713	4,422	12,769	5,703	(NA)	9,947	2,829		
July <sup>f</sup> . . . . .	493,273	369,558	220,358	155,809	143,540	12,269	110,839	26,123	19,579	3,459	36,194	3,588	4,512	11,774	5,610	(NA)	9,752	3,024		
August <sup>f</sup> . . . . .	489,808	370,803	218,931	154,421	141,221	13,200	112,203	27,042	20,339	3,885	36,360	3,746	4,119	11,590	5,121	(NA)	10,399	2,920		
September <sup>f</sup> . . . . .	491,319	370,724	219,185	154,457	139,195	15,262	112,898	27,800	21,166	3,942	36,310	3,412	4,042	10,692	5,535	(NA)	9,790	2,914		
October <sup>f</sup> . . . . .	489,672	365,142	215,551	150,663	136,896	13,767	112,086	26,735	20,669	4,198	37,131	3,546	4,098	10,414	5,296	(NA)	9,806	2,773		
November <sup>f</sup> . . . . .	489,846	370,368	215,455	150,144	135,546	14,599	116,667	30,933	21,921	4,694	35,243	3,372	4,464	10,723	5,319	(NA)	10,033	2,679		
December <sup>f</sup> . . . . .	492,290	369,207	215,773	150,370	135,568	14,802	114,154	28,387	21,131	4,906	35,932	3,620	4,552	10,556	5,069	(NA)	10,662	2,596		
1995: January <sup>f</sup> . . . . .	487,568	366,987	214,226	149,455	134,575	14,880	114,560	27,154	21,822	5,428	36,489	3,517	4,594	10,241	5,314	(NA)	10,541	2,558		
February <sup>f</sup> . . . . .	489,591	370,159	212,264	147,783	132,722	15,061	119,181	29,035	21,986	5,608	38,305	3,751	4,861	10,699	4,935	(NA)	9,782	2,685		
March <sup>f</sup> . . . . .	491,902	368,798	209,853	144,546	128,378	16,169	120,890	28,949	22,615	6,804	39,368	3,534	4,692	9,940	4,987	(NA)	10,496	2,774		
April <sup>f</sup> . . . . .	492,453	366,208	206,544	140,980	125,590	15,389	121,767	30,934	23,052	5,061	38,250	3,963	5,023	10,424	5,060	(NA)	11,036	2,880		
May <sup>f</sup> . . . . .	484,860	361,010	204,828	138,827	123,440	15,388	119,978	30,235	24,408	5,682	35,867	4,016	4,735	10,108	4,927	(NA)	9,281	2,843		
June <sup>f</sup> . . . . .	485,888	360,944	203,239	137,088	122,274	14,814	120,504	29,343	23,422	5,697	38,498	4,063	5,109	9,155	5,217	(NA)	10,307	2,750		
July <sup>f</sup> . . . . .	484,230	362,250	202,916	138,876	123,337	15,539	123,052	29,544	25,340	6,070	38,110	4,131	5,211	9,680	4,966	(NA)	10,584	2,591		
August <sup>f</sup> . . . . .	480,946	358,092	204,772	141,295	125,443	15,851	118,838	28,401	23,363	6,164	37,271	3,952	5,465	9,513	4,708	(NA)	9,144	2,491		
September <sup>f</sup> . . . . .	486,064	361,289	206,663	142,878	126,935	15,944	119,816	28,824	22,225	6,547	37,918	3,938	5,024	9,978	5,362	(NA)	9,512	2,430		
October <sup>f</sup> . . . . .	484,948	360,232	206,915	144,151	128,369	15,782	118,718	27,856	21,222	6,502	38,404	4,007	4,600	10,079	6,047	(NA)	9,301	2,374		
November <sup>f</sup> . . . . .	485,048	361,032	209,005	144,975	128,918	16,058	119,532	28,422	20,592	8,614	37,576	3,798	4,786	9,963	5,781	(NA)	9,176	2,363		
December <sup>f</sup> . . . . .	490,672	366,873	212,133	146,725	129,392	17,333	121,660	28,391	21,090	9,291	37,868	3,622	4,525	10,531	6,343	(NA)	9,196	2,358		
1996: January <sup>f</sup> . . . . .	492,890	367,894	211,214	147,376	130,446	16,930	121,819	28,808	19,747	9,165	39,185	3,745	4,530	10,167	6,472	(NA)	10,086	2,286		
February <sup>f</sup> . . . . .	479,798	360,869	207,623	145,266	128,543	16,723	119,499	27,274	19,622	9,027	39,245	3,728	4,647	9,407	6,549	(NA)	9,264	2,218		
March <sup>f</sup> . . . . .	489,906	368,221	214,369	151,544	134,091	17,453	118,641	27,026	19,282	9,118	38,583	3,652	5,056	9,261	6,663	(NA)	9,292	2,190		
April <sup>f</sup> . . . . .	498,614	374,355	219,251	155,430	135,776	19,654	119,067	26,683	19,408	8,891	39,997	3,855	4,668	8,988	6,577	(NA)	10,217	2,079		
May <sup>p</sup> . . . . .	493,534	367,494	216,815	152,608	135,079	17,529	115,900	25,312	20,330	8,791	37,248	3,922	4,661	9,717	5,919	(NA)	(NA)	1,918		
<b>PERCENT CHANGE</b>																				
April 1996-																				
May 1996 . . . . .	-1	-2	-1	-2	-1	-11	-3	-5	5	-1	-7	2	(Z)	8	-10	(NA)	(NA)	-8		

See footnotes at end of table.

Table 5a. **Monthly Value of New Construction Put in Place—Seasonally Adjusted Annual Rate in 1992 Dollars: May 1994-May 1996—Con.**

[Millions of dollars]

Period	Public construction												
	Total	Buildings						Highways and streets	Military facilities	Conservation and development	Sewer systems	Water supply facilities	Miscellaneous public <sup>7</sup>
		Total	Housing and redevelopment	Industrial	Educational	Hospital	Other public buildings <sup>6</sup>						
1994: May <sup>f</sup> . . . . .	117,568	49,842	5,001	1,397	22,017	3,674	17,753	37,097	2,093	5,616	8,952	4,358	9,610
June <sup>f</sup> . . . . .	120,185	50,451	4,854	1,284	21,220	3,924	19,168	37,134	2,348	5,555	9,442	4,598	10,657
July <sup>f</sup> . . . . .	123,715	48,911	4,410	1,185	21,169	3,936	18,212	40,248	2,208	5,796	9,767	5,232	11,552
August <sup>f</sup> . . . . .	119,005	48,687	4,554	1,324	21,058	3,319	18,433	36,688	2,302	5,364	9,491	4,830	11,643
September <sup>f</sup> . . . . .	120,595	48,770	4,681	1,400	21,168	3,537	17,983	36,104	2,184	7,104	10,201	5,694	10,538
October <sup>f</sup> . . . . .	124,530	52,818	5,446	1,404	23,285	3,407	19,275	36,319	2,159	6,830	9,298	5,788	11,320
November <sup>f</sup> . . . . .	119,478	51,205	4,808	1,403	21,931	3,548	19,515	34,815	2,078	5,993	9,607	4,824	10,956
December <sup>f</sup> . . . . .	123,082	53,045	5,242	1,357	21,501	3,881	21,064	33,994	2,537	7,275	10,596	4,891	10,744
1995: January <sup>f</sup> . . . . .	120,581	51,940	5,117	1,464	21,576	3,704	20,079	33,813	2,595	6,195	9,888	5,521	10,631
February <sup>f</sup> . . . . .	119,433	52,420	4,990	1,538	22,351	3,874	19,667	32,224	2,492	6,420	9,628	6,009	10,240
March <sup>f</sup> . . . . .	123,105	53,191	5,115	1,449	22,737	3,889	20,000	35,159	2,887	6,616	9,668	4,873	10,711
April <sup>f</sup> . . . . .	126,245	54,297	5,406	1,408	23,026	4,089	20,367	34,709	2,666	6,100	9,364	5,061	14,048
May <sup>f</sup> . . . . .	123,850	54,480	5,327	1,347	22,549	4,248	21,010	34,396	2,683	5,527	9,636	4,794	12,333
June <sup>f</sup> . . . . .	124,944	55,069	5,607	1,206	23,229	3,900	21,127	34,258	2,704	5,786	10,767	5,031	11,329
July <sup>f</sup> . . . . .	121,979	53,027	5,494	1,274	22,830	3,861	19,568	34,952	2,845	5,802	9,566	5,417	10,371
August <sup>f</sup> . . . . .	122,854	52,220	5,558	1,338	22,448	3,461	19,415	35,410	2,826	6,344	9,585	5,832	10,637
September <sup>f</sup> . . . . .	124,775	54,696	5,564	1,454	24,091	4,264	19,323	34,704	2,892	5,611	9,867	5,296	11,710
October <sup>f</sup> . . . . .	124,716	52,804	5,687	1,252	23,158	3,653	19,054	36,279	2,054	4,717	10,119	5,679	13,064
November <sup>f</sup> . . . . .	124,016	53,344	5,384	1,302	23,148	4,042	19,468	34,575	2,878	5,319	10,309	5,820	11,770
December <sup>f</sup> . . . . .	123,799	52,829	5,557	1,213	23,414	3,717	18,927	36,398	2,872	5,433	9,797	5,570	10,900
1996: January <sup>f</sup> . . . . .	124,996	55,529	5,558	1,197	23,921	4,037	20,817	35,471	3,173	4,830	9,527	4,814	11,651
February <sup>f</sup> . . . . .	118,929	49,458	4,524	1,246	22,082	4,312	17,294	36,798	3,552	4,919	9,428	5,270	9,504
March <sup>f</sup> . . . . .	121,685	53,177	4,483	1,378	24,299	4,225	18,792	35,104	2,769	5,211	9,630	5,190	10,603
April <sup>f</sup> . . . . .	124,260	52,833	4,393	1,276	24,537	3,827	18,799	35,280	2,809	4,619	10,977	6,220	11,522
May <sup>p</sup> . . . . .	126,040	56,239	5,192	1,305	24,027	4,758	20,958	34,252	2,654	4,226	10,498	5,834	12,338
<b>PERCENT CHANGE</b>													
April 1996- May 1996 . . . . .	1	6	18	2	-2	24	11	-3	-6	-9	-4	-6	7

NA Not available, but estimates are included in totals. <sup>p</sup>Preliminary. <sup>f</sup>Revised. <sup>Z</sup>Less than 0.5 percent.

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

Table 5b. **Monthly Value of New Construction Put in Place—Seasonally Adjusted Annual Rate in 1992 Dollars: 1993-1995**

[Millions of dollars]

Type of construction	1993											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Total new construction</b> .....	<b>455,715</b>	<b>457,292</b>	<b>454,763</b>	<b>452,388</b>	<b>456,512</b>	<b>465,428</b>	<b>464,316</b>	<b>463,455</b>	<b>468,466</b>	<b>469,024</b>	<b>478,055</b>	<b>484,806</b>
<b>Private construction</b> .....	<b>347,571</b>	<b>344,864</b>	<b>344,018</b>	<b>337,287</b>	<b>343,820</b>	<b>346,444</b>	<b>344,893</b>	<b>346,542</b>	<b>349,014</b>	<b>350,666</b>	<b>356,471</b>	<b>361,073</b>
Residential buildings .....	198,034	197,718	197,969	195,756	196,620	198,029	198,429	199,796	201,228	203,773	207,727	211,050
New housing units .....	132,207	134,379	134,051	132,672	133,164	134,356	135,875	137,468	139,017	141,034	144,161	147,364
1 unit .....	122,966	123,999	122,803	122,835	123,495	124,050	125,130	126,859	128,684	131,027	133,686	136,851
2 units or more .....	9,241	10,380	11,248	9,837	9,669	10,306	10,745	10,609	10,333	10,007	10,475	10,513
Improvements .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Nonresidential buildings .....	106,146	105,331	105,547	101,269	107,222	107,910	104,863	106,881	108,034	107,297	109,292	110,258
Industrial .....	27,128	26,484	27,654	24,151	25,281	25,016	25,058	25,429	25,102	24,797	24,894	26,463
Office .....	21,534	21,376	20,553	21,010	20,989	20,646	20,335	19,555	18,836	18,745	18,854	20,278
Hotels, motels .....	3,617	3,575	4,492	3,408	5,294	5,128	4,408	4,545	5,163	4,620	4,673	3,754
Other commercial .....	31,024	30,673	30,111	29,152	31,152	31,413	29,086	30,298	31,978	32,206	34,606	33,203
Religious .....	3,782	3,512	3,919	3,917	3,803	3,618	3,764	3,579	3,942	3,651	3,631	3,896
Educational .....	3,724	3,856	3,644	3,778	4,403	4,787	5,037	5,472	4,524	4,769	4,558	4,569
Hospital and institutional .....	11,240	11,619	11,334	11,519	11,390	12,162	12,021	12,565	12,862	12,832	12,416	12,629
Miscellaneous <sup>1</sup> .....	4,097	4,236	3,840	4,333	4,910	5,140	5,154	5,439	5,628	5,677	5,660	5,467
Farm nonresidential .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Public utilities .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Telecommunications .....	9,940	9,067	9,699	9,124	8,895	9,254	9,429	9,122	9,232	9,463	9,823	10,542
Railroads .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electric light and power .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Gas .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Petroleum pipelines .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
All other private <sup>2</sup> .....	3,465	3,567	3,531	3,485	3,438	3,226	3,237	2,951	2,878	2,981	3,030	3,191
<b>Public construction</b> .....	<b>108,145</b>	<b>112,428</b>	<b>110,745</b>	<b>115,102</b>	<b>112,692</b>	<b>118,985</b>	<b>119,423</b>	<b>116,913</b>	<b>119,452</b>	<b>118,357</b>	<b>121,584</b>	<b>123,733</b>
Buildings .....	47,453	47,325	47,818	48,365	47,552	49,131	51,939	51,408	51,946	52,530	52,000	52,708
Housing and redevelopment .....	4,332	4,745	4,362	4,790	4,785	5,098	4,782	4,285	4,596	4,597	4,592	4,641
Industrial .....	1,852	1,813	1,937	1,832	1,503	1,370	1,506	1,620	1,594	1,539	1,417	1,973
Educational .....	19,254	19,387	18,753	19,201	20,592	21,746	22,125	22,832	22,050	22,111	22,546	23,237
Hospital .....	3,237	3,188	3,513	3,683	3,281	3,824	3,491	3,755	3,450	3,760	3,790	3,536
Other <sup>3</sup> .....	18,778	18,191	19,253	18,860	17,391	17,093	20,036	18,917	20,256	20,521	19,655	19,321
Highways and streets .....	27,971	30,739	30,812	32,023	31,877	36,865	34,643	31,919	35,757	35,615	37,340	37,633
Military facilities .....	2,437	2,916	2,610	2,567	2,457	2,256	2,393	2,496	2,322	2,192	2,144	2,108
Conservation and development .....	5,620	6,450	6,865	5,574	6,025	5,800	5,609	5,302	5,819	5,863	5,089	4,998
Other public construction .....	24,663	24,999	22,640	26,572	24,781	24,933	24,839	25,788	23,608	22,158	25,011	26,286
Sewer systems .....	10,243	9,995	9,263	8,670	9,087	9,550	9,405	9,182	8,360	8,314	8,679	9,082
Water supply facilities .....	4,882	4,953	4,280	5,569	5,776	5,445	5,142	5,033	4,686	5,112	5,244	5,455
Miscellaneous public <sup>4</sup> .....	9,538	10,051	9,097	12,333	9,918	9,938	10,292	11,573	10,562	8,732	11,088	11,748

See footnotes at end of table.

Table 5b. **Monthly Value of New Construction Put in Place—Seasonally Adjusted Annual Rate in 1992 Dollars: 1993-1995—Con.**

[Millions of dollars]

Type of construction	1994											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Total new construction</b> .....	<b>471,082</b>	<b>469,089</b>	<b>484,491</b>	<b>488,039</b>	<b>492,130</b>	<b>493,265</b>	<b>493,273</b>	<b>489,808</b>	<b>491,319</b>	<b>489,672</b>	<b>489,846</b>	<b>492,290</b>
<b>Private construction</b> .....	<b>354,113</b>	<b>353,562</b>	<b>367,918</b>	<b>372,504</b>	<b>374,562</b>	<b>373,080</b>	<b>369,558</b>	<b>370,803</b>	<b>370,724</b>	<b>365,142</b>	<b>370,368</b>	<b>369,207</b>
Residential buildings .....	212,645	213,247	217,901	220,850	222,717	221,927	220,358	218,931	219,185	215,551	215,455	215,773
New housing units .....	148,442	149,170	153,211	156,274	157,804	157,023	155,809	154,421	154,457	150,663	150,144	150,370
1 unit .....	138,035	138,372	141,844	144,404	145,312	144,597	143,540	141,221	139,195	136,896	135,546	135,568
2 units or more .....	10,407	10,798	11,367	11,870	12,492	12,426	12,269	13,200	15,262	13,767	14,599	14,802
Improvements .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Nonresidential buildings .....	103,017	102,165	111,718	113,641	113,658	112,698	110,839	112,203	112,898	112,086	116,667	114,154
Industrial .....	24,267	25,362	25,208	26,263	26,950	26,314	26,123	27,042	27,800	26,735	30,933	28,387
Office .....	18,054	19,094	22,157	21,145	21,464	20,096	19,579	20,339	21,166	20,669	21,921	21,131
Hotels, motels .....	4,079	4,271	4,489	5,163	4,610	4,173	3,459	3,885	3,942	4,198	4,694	4,906
Other commercial .....	30,375	29,116	33,128	35,220	34,337	35,509	36,194	36,360	36,310	37,131	35,243	35,932
Religious .....	3,677	3,554	3,589	3,528	3,754	3,713	3,588	3,746	3,412	3,546	3,372	3,620
Educational .....	5,232	4,553	4,927	4,480	4,634	4,422	4,512	4,119	4,042	4,098	4,464	4,552
Hospital and institutional .....	11,871	10,684	11,895	11,764	12,028	12,769	11,774	11,590	10,692	10,414	10,723	10,556
Miscellaneous <sup>1</sup> .....	5,463	5,532	6,325	6,079	5,882	5,703	5,610	5,121	5,535	5,296	5,319	5,069
Farm nonresidential .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Public utilities .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Telecommunications .....	9,471	9,904	9,792	9,335	9,398	9,947	9,752	10,399	9,790	9,806	10,033	10,662
Railroads .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electric light and power .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Gas .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Petroleum pipelines .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
All other private <sup>2</sup> .....	3,038	2,723	2,467	2,468	2,688	2,829	3,024	2,920	2,914	2,773	2,679	2,596
<b>Public construction</b> .....	<b>116,969</b>	<b>115,526</b>	<b>116,573</b>	<b>115,534</b>	<b>117,568</b>	<b>120,185</b>	<b>123,715</b>	<b>119,005</b>	<b>120,595</b>	<b>124,530</b>	<b>119,478</b>	<b>123,082</b>
Buildings .....	48,037	49,789	49,840	48,348	49,842	50,451	48,911	48,687	48,770	52,818	51,205	53,045
Housing and redevelopment .....	4,507	4,151	4,929	4,852	5,001	4,854	4,410	4,554	4,681	5,446	4,808	5,242
Industrial .....	1,180	1,411	1,629	1,313	1,397	1,284	1,185	1,324	1,400	1,404	1,403	1,357
Educational .....	22,367	22,256	21,965	21,729	22,017	21,220	21,169	21,058	21,168	23,285	21,931	21,501
Hospital .....	3,703	3,832	3,830	3,362	3,674	3,924	3,936	3,319	3,537	3,407	3,548	3,881
Other <sup>3</sup> .....	16,280	18,139	17,488	17,093	17,753	19,168	18,212	18,433	17,983	19,275	19,515	21,064
Highways and streets .....	35,404	33,120	35,949	35,474	37,097	37,134	40,248	36,688	36,104	36,319	34,815	33,994
Military facilities .....	2,702	1,877	1,890	1,947	2,093	2,348	2,208	2,302	2,184	2,159	2,078	2,537
Conservation and development .....	5,442	6,460	5,046	5,660	5,616	5,555	5,796	5,364	7,104	6,830	5,993	7,275
Other public construction .....	25,383	24,281	23,848	24,106	22,921	24,697	26,551	25,964	26,433	26,405	25,387	26,231
Sewer systems .....	9,227	8,485	9,247	9,469	8,952	9,442	9,767	9,491	10,201	9,298	9,607	10,596
Water supply facilities .....	4,910	4,197	4,624	4,595	4,358	4,598	5,232	4,830	5,694	5,788	4,824	4,891
Miscellaneous public <sup>4</sup> .....	11,246	11,599	9,977	10,042	9,610	10,657	11,552	11,643	10,538	11,320	10,956	10,744

See footnotes at end of table.

Table 5b. **Monthly Value of New Construction Put in Place—Seasonally Adjusted Annual Rate in 1992 Dollars: 1993-1995—Con.**

[Millions of dollars]

Type of construction	1995											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Total new construction</b> .....	<b>487,568</b>	<b>489,591</b>	<b>491,902</b>	<b>492,453</b>	<b>484,860</b>	<b>485,888</b>	<b>484,230</b>	<b>480,946</b>	<b>486,064</b>	<b>484,948</b>	<b>485,048</b>	<b>490,672</b>
<b>Private construction</b> .....	<b>366,987</b>	<b>370,159</b>	<b>368,798</b>	<b>366,208</b>	<b>361,010</b>	<b>360,944</b>	<b>362,250</b>	<b>358,092</b>	<b>361,289</b>	<b>360,232</b>	<b>361,032</b>	<b>366,873</b>
Residential buildings .....	214,226	212,264	209,853	206,544	204,828	203,239	202,916	204,772	206,663	206,915	209,005	212,133
New housing units .....	149,455	147,783	144,546	140,980	138,827	137,088	138,876	141,295	142,878	144,151	144,975	146,725
1 unit .....	134,575	132,722	128,378	125,590	123,440	122,274	123,337	125,443	126,935	128,369	128,918	129,392
2 units or more .....	14,880	15,061	16,169	15,389	15,388	14,814	15,539	15,851	15,944	15,782	16,058	17,333
Improvements .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Nonresidential buildings .....	114,560	119,181	120,890	121,767	119,978	120,504	123,052	118,838	119,816	118,718	119,532	121,660
Industrial .....	27,154	29,035	28,949	30,934	30,235	29,343	29,544	28,401	28,824	27,856	28,422	28,391
Office .....	21,822	21,986	22,615	23,052	24,408	23,422	25,340	23,363	22,225	21,222	20,592	21,090
Hotels, motels .....	5,428	5,608	6,804	5,061	5,682	5,697	6,070	6,164	6,547	6,502	8,614	9,291
Other commercial .....	36,489	38,305	39,368	38,250	35,867	38,498	38,110	37,271	37,918	38,404	37,576	37,868
Religious .....	3,517	3,751	3,534	3,963	4,016	4,063	4,131	3,952	3,938	4,007	3,798	3,622
Educational .....	4,594	4,861	4,692	4,735	4,735	5,109	5,211	5,465	5,024	4,600	4,786	4,525
Hospital and institutional .....	10,241	10,699	9,940	10,424	10,108	9,155	9,680	9,513	9,978	10,079	9,963	10,531
Miscellaneous <sup>1</sup> .....	5,314	4,935	4,987	5,060	4,927	5,217	4,966	4,708	5,362	6,047	5,781	6,343
Farm nonresidential .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Public utilities .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Telecommunications .....	10,541	9,782	10,496	11,036	9,281	10,307	10,584	9,144	9,512	9,301	9,176	9,196
Railroads .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electric light and power .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Gas .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Petroleum pipelines .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
All other private <sup>2</sup> .....	2,558	2,685	2,774	2,880	2,843	2,750	2,591	2,491	2,430	2,374	2,363	2,358
<b>Public construction</b> .....	<b>120,581</b>	<b>119,433</b>	<b>123,105</b>	<b>126,245</b>	<b>123,850</b>	<b>124,944</b>	<b>121,979</b>	<b>122,854</b>	<b>124,775</b>	<b>124,716</b>	<b>124,016</b>	<b>123,799</b>
Buildings .....	51,940	52,420	53,191	54,297	54,480	55,069	53,027	52,220	54,696	52,804	53,344	52,829
Housing and redevelopment .....	5,117	4,990	5,115	5,406	5,327	5,607	5,494	5,558	5,564	5,687	5,384	5,557
Industrial .....	1,464	1,538	1,449	1,408	1,347	1,206	1,274	1,338	1,454	1,252	1,302	1,213
Educational .....	21,576	22,351	22,737	23,026	22,549	23,229	22,830	22,448	24,091	23,158	23,148	23,414
Hospital .....	3,704	3,874	4,089	4,248	4,248	3,900	3,861	3,461	4,264	3,653	4,042	3,717
Other <sup>3</sup> .....	20,079	19,667	20,000	20,367	21,010	21,127	19,568	19,415	19,323	19,054	19,468	18,927
Highways and streets .....	33,813	32,224	35,159	34,709	34,396	34,258	34,952	35,410	34,704	36,279	34,575	36,398
Military facilities .....	2,595	2,492	2,887	2,666	2,683	2,704	2,845	2,826	2,892	2,054	2,878	2,872
Conservation and development .....	6,195	6,420	6,616	6,100	5,527	5,786	5,802	6,344	5,611	4,717	5,319	5,433
Other public construction .....	26,039	25,877	25,251	28,473	26,763	27,127	25,353	26,054	26,872	28,862	27,900	26,268
Sewer systems .....	9,888	9,628	9,668	9,364	9,636	10,767	9,566	9,585	9,867	10,119	10,309	9,797
Water supply facilities .....	5,521	6,009	4,873	5,061	4,794	5,031	5,417	5,832	5,296	5,679	5,820	5,570
Miscellaneous public <sup>4</sup> .....	10,631	10,240	10,711	14,048	12,333	11,329	10,371	10,637	11,710	13,064	11,770	10,900

NA Not available, but estimates are included in total.

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

Table 6a. Monthly Value of New Construction Put in Place—Not Seasonally Adjusted in 1992 Dollars: May 1994-May 1996

[Millions of dollars]

Period	Total new construction	Private construction																All other private <sup>5</sup>	
		Total <sup>1</sup>	Residential buildings					Nonresidential buildings									Public utilities <sup>4</sup>		
			Total <sup>2</sup>	New housing units			Total	Industrial	Office	Hotels, motels	Other commercial	Religious	Educational	Hospital and institutional	Miscellaneous <sup>3</sup>	Total	Telecommunications		
				Total	1 unit	2 units or more													
<b>YEAR TO DATE</b>																			
May 1995	181,388	138,270	76,696	53,510	47,556	5,955	46,736	11,633	9,397	2,336	14,014	1,429	1,790	4,167	1,970	(NA)	3,872	1,054	
May 1996	183,166	139,797	79,022	56,486	49,608	6,877	46,964	10,759	8,100	3,773	14,671	1,454	1,782	3,878	2,552	(NA)	(NA)	822	
Percent change	1	1	3	6	4	15	(Z)	-8	-14	62	5	2	(Z)	-7	30	(NA)	(NA)	-22	
<b>MONTHLY DATA</b>																			
1994: May <sup>f</sup>	42,291	32,344	19,307	13,308	12,230	1,077	9,720	2,300	1,905	418	2,884	306	399	1,013	496	(NA)	790	230	
June <sup>f</sup>	45,139	33,768	20,624	14,085	12,966	1,119	9,745	2,259	1,680	365	3,128	303	439	1,082	490	(NA)	899	252	
July <sup>f</sup>	45,487	33,640	20,888	14,471	13,361	1,109	9,479	2,196	1,614	296	3,212	292	441	951	478	(NA)	790	274	
August <sup>f</sup>	47,521	34,843	21,259	14,631	13,404	1,227	10,062	2,326	1,773	329	3,415	351	416	997	456	(NA)	970	253	
September <sup>f</sup>	46,709	34,139	20,498	14,516	13,177	1,339	10,254	2,433	1,841	343	3,528	326	369	918	496	(NA)	866	266	
October <sup>f</sup>	45,040	33,391	20,140	13,954	12,743	1,212	9,951	2,364	1,716	345	3,459	335	346	906	479	(NA)	856	254	
November <sup>f</sup>	42,320	32,159	18,859	13,395	12,154	1,241	9,977	2,601	1,861	384	3,075	308	349	929	469	(NA)	913	239	
December <sup>f</sup>	37,414	28,444	16,015	11,393	10,224	1,169	9,245	2,460	1,661	392	2,842	295	329	865	401	(NA)	945	203	
1995: January <sup>f</sup>	32,832	25,243	14,144	10,317	9,252	1,065	8,384	2,025	1,693	411	2,493	256	315	810	381	(NA)	713	192	
February <sup>f</sup>	31,973	24,641	13,152	9,492	8,417	1,076	8,718	2,178	1,717	432	2,608	267	328	836	352	(NA)	671	186	
March <sup>f</sup>	36,169	27,813	15,207	10,880	9,639	1,241	9,524	2,316	1,879	562	2,943	267	350	815	392	(NA)	860	207	
April <sup>f</sup>	38,534	29,311	16,379	11,107	9,869	1,238	9,819	2,529	1,938	430	2,942	306	389	850	435	(NA)	830	225	
May <sup>f</sup>	41,880	31,262	17,814	11,714	10,379	1,335	10,291	2,585	2,170	501	3,028	333	408	856	410	(NA)	798	244	
June <sup>f</sup>	44,465	32,708	18,915	12,245	10,923	1,322	10,510	2,516	1,995	512	3,423	329	505	778	452	(NA)	934	244	
July <sup>f</sup>	44,466	32,823	19,214	12,847	11,450	1,397	10,515	2,492	2,069	512	3,366	343	525	788	419	(NA)	867	235	
August <sup>f</sup>	46,571	33,613	19,920	13,398	11,917	1,481	10,614	2,433	2,025	532	3,460	368	559	813	424	(NA)	870	214	
September <sup>f</sup>	45,892	33,093	19,331	13,437	12,038	1,399	10,743	2,517	1,906	543	3,640	370	443	851	472	(NA)	812	219	
October <sup>f</sup>	44,979	33,082	19,339	13,355	11,960	1,395	10,664	2,458	1,807	560	3,610	387	387	889	564	(NA)	843	218	
November <sup>f</sup>	41,879	31,295	18,263	12,906	11,549	1,357	10,212	2,392	1,725	707	3,294	346	386	856	506	(NA)	830	212	
December <sup>f</sup>	37,027	28,203	15,714	11,092	9,715	1,377	9,840	2,461	1,678	736	3,001	289	317	855	503	(NA)	769	187	
1996: January <sup>f</sup>	33,249	25,329	13,915	10,144	8,925	1,219	8,936	2,149	1,514	696	2,720	278	309	809	462	(NA)	697	173	
February <sup>f</sup>	32,158	24,777	13,214	9,676	8,441	1,235	9,083	2,118	1,563	750	2,790	277	334	759	493	(NA)	668	159	
March <sup>f</sup>	35,624	27,624	15,574	11,412	10,068	1,344	9,253	2,169	1,560	755	2,858	267	366	745	534	(NA)	718	162	
April <sup>f</sup>	39,458	30,195	17,413	12,281	10,715	1,566	9,748	2,161	1,650	787	3,140	313	368	755	575	(NA)	835	163	
May <sup>p</sup>	42,677	31,872	18,906	12,973	11,459	1,513	9,944	2,162	1,813	785	3,163	319	405	810	488	(NA)	(NA)	165	
<b>PERCENT CHANGE</b>																			
April 1996-May 1996	8	6	9	6	7	-3	2	(Z)	10	(Z)	1	2	10	7	-15	(NA)	(NA)	1	

See footnotes at end of table.

Table 6a. **Monthly Value of New Construction Put in Place—Not Seasonally Adjusted in 1992 Dollars: May 1994-May 1996—Con.**

[Millions of dollars]

Period	Public construction												
	Total	Buildings						Highways and streets	Military facilities	Conservation and development	Sewer systems	Water supply facilities	Miscellaneous public <sup>7</sup>
		Total	Housing and redevelopment	Industrial	Educational	Hospital	Other public buildings <sup>6</sup>						
<b>YEAR TO DATE</b>													
May 1995 .....	43,117	20,321	2,062	578	8,146	1,582	7,952	9,703	1,052	2,314	3,565	1,935	4,225
May 1996 .....	43,369	20,551	1,941	523	8,698	1,705	7,683	10,006	1,191	1,801	3,696	2,043	4,079
Percent change .....	1	1	-6	-10	7	8	-3	3	13	-22	4	6	-3
<b>MONTHLY DATA</b>													
1994: May <sup>f</sup> .....	9,946	4,179	421	114	1,804	300	1,541	3,246	176	463	719	378	786
June <sup>f</sup> .....	11,371	4,571	434	112	1,977	340	1,708	3,874	190	494	859	422	961
July <sup>f</sup> .....	11,847	4,490	377	100	2,150	332	1,532	4,286	194	508	846	472	1,048
August <sup>f</sup> .....	12,678	4,730	382	111	2,316	282	1,639	4,675	196	520	921	447	1,190
September <sup>f</sup> .....	12,570	4,549	415	153	2,012	318	1,652	4,317	241	866	991	515	1,090
October <sup>f</sup> .....	11,648	4,457	463	102	1,965	288	1,638	4,116	142	463	884	563	1,023
November <sup>f</sup> .....	10,161	4,238	418	108	1,743	299	1,670	3,032	182	483	861	425	941
December <sup>f</sup> .....	8,970	4,134	427	114	1,575	325	1,692	2,062	225	556	802	382	809
1995: January <sup>f</sup> .....	7,589	3,760	396	112	1,483	286	1,482	1,445	202	424	681	385	691
February <sup>f</sup> .....	7,332	3,730	375	113	1,505	297	1,439	1,305	163	439	639	387	670
March <sup>f</sup> .....	8,355	4,020	406	123	1,618	311	1,562	1,714	259	518	728	353	763
April <sup>f</sup> .....	9,223	4,247	440	117	1,700	336	1,654	2,149	204	463	717	393	1,050
May <sup>f</sup> .....	10,618	4,564	445	113	1,840	352	1,815	3,090	224	470	800	417	1,051
June <sup>f</sup> .....	11,757	5,017	508	106	2,170	338	1,895	3,540	238	520	952	457	1,034
July <sup>f</sup> .....	11,643	4,856	458	110	2,317	326	1,646	3,792	231	499	824	503	937
August <sup>f</sup> .....	12,958	5,123	482	109	2,498	287	1,746	4,497	236	591	928	538	1,043
September <sup>f</sup> .....	12,798	5,046	490	160	2,245	398	1,752	4,092	324	689	957	472	1,218
October <sup>f</sup> .....	11,897	4,560	492	87	1,989	315	1,676	4,148	140	339	955	547	1,208
November <sup>f</sup> .....	10,585	4,423	459	104	1,856	332	1,672	3,028	238	432	927	526	1,010
December <sup>f</sup> .....	8,824	4,028	445	98	1,682	310	1,492	2,129	259	413	750	429	816
1996: January <sup>f</sup> .....	7,920	3,996	425	93	1,633	315	1,530	1,543	248	344	675	335	779
February <sup>f</sup> .....	7,381	3,664	358	95	1,551	335	1,325	1,530	238	341	628	350	630
March <sup>f</sup> .....	8,000	3,951	354	114	1,705	339	1,439	1,641	254	386	690	365	712
April <sup>f</sup> .....	9,263	4,197	357	107	1,853	323	1,557	2,252	223	369	826	487	909
May <sup>p</sup> .....	10,805	4,743	447	114	1,956	393	1,832	3,040	228	361	877	506	1,049
<b>PERCENT CHANGE</b>													
April 1996- May 1996 .....	17	13	25	7	6	22	18	35	2	-2	6	4	15

NA Not available, but estimates are included in totals. <sup>p</sup>Preliminary. <sup>f</sup>Revised. <sup>Z</sup>Less than 0.5 percent.

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

Table 6b. Annual and Monthly Value of New Construction Put in Place—Not Seasonally Adjusted in 1992 Dollars: 1993-1995

[Millions of dollars]

Type of construction	1993												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Total new construction</b> .....	<b>464,985</b>	<b>30,585</b>	<b>29,841</b>	<b>33,376</b>	<b>35,855</b>	<b>39,046</b>	<b>42,652</b>	<b>42,999</b>	<b>44,700</b>	<b>44,509</b>	<b>43,126</b>	<b>41,337</b>	<b>36,961</b>
<b>Private construction</b> .....	<b>347,754</b>	<b>23,762</b>	<b>22,932</b>	<b>25,847</b>	<b>27,187</b>	<b>29,578</b>	<b>31,430</b>	<b>31,482</b>	<b>32,554</b>	<b>32,061</b>	<b>32,041</b>	<b>30,988</b>	<b>27,892</b>
Residential buildings .....	200,502	12,945	12,155	14,199	15,487	17,098	18,522	18,918	19,449	18,848	19,064	18,171	15,647
New housing units .....	137,243	9,055	8,555	9,959	10,409	11,234	12,118	12,688	13,044	13,098	13,083	12,852	11,147
1 unit .....	126,960	8,392	7,812	9,098	9,622	10,404	11,185	11,721	12,062	12,182	12,196	11,976	10,309
2 units or more .....	10,283	663	743	861	787	829	933	968	982	916	886	876	838
Improvements .....	63,259	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Nonresidential buildings .....	106,729	7,733	7,760	8,342	8,302	9,028	9,336	8,961	9,588	9,733	9,530	9,402	9,014
Industrial .....	25,554	2,026	1,977	2,201	1,964	2,157	2,151	2,101	2,191	2,201	2,199	2,095	2,291
Office .....	20,197	1,651	1,682	1,716	1,817	1,791	1,748	1,664	1,703	1,618	1,581	1,610	1,615
Hotels, motels .....	4,405	264	274	371	300	458	448	382	396	382	382	389	302
Other commercial .....	31,292	2,112	2,096	2,233	2,288	2,596	2,749	2,577	2,843	3,083	3,014	3,019	2,681
Religious .....	3,748	268	253	304	310	302	294	312	331	377	338	336	323
Educational .....	4,484	248	263	272	299	377	459	506	554	416	392	367	330
Hospital and institutional .....	12,050	873	910	944	950	946	1,040	982	1,075	1,098	1,109	1,088	1,035
Miscellaneous <sup>1</sup> .....	5,000	291	306	301	372	400	447	438	495	502	515	497	436
Farm nonresidential .....	3,174	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Public utilities .....	34,120	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Telecommunications .....	9,468	638	623	804	731	723	836	809	830	816	818	903	936
Railroads .....	3,056	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electric light and power .....	15,096	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Gas .....	5,536	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Petroleum pipelines .....	965	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
All other private <sup>2</sup> .....	3,229	260	249	262	271	292	285	290	255	265	274	271	255
<b>Public construction</b> .....	<b>117,231</b>	<b>6,823</b>	<b>6,909</b>	<b>7,529</b>	<b>8,667</b>	<b>9,468</b>	<b>11,222</b>	<b>11,517</b>	<b>12,146</b>	<b>12,448</b>	<b>11,085</b>	<b>10,349</b>	<b>9,069</b>
Buildings .....	50,167	3,390	3,389	3,605	3,880	3,928	4,449	4,841	5,032	4,827	4,426	4,318	4,084
Housing and redevelopment .....	4,629	330	357	343	396	391	463	416	365	400	401	395	374
Industrial .....	1,658	144	131	162	157	127	117	133	133	172	109	112	161
Educational .....	21,314	1,305	1,320	1,316	1,443	1,663	2,004	2,280	2,532	2,086	1,857	1,802	1,706
Hospital .....	3,537	248	243	288	302	266	343	295	316	305	314	323	294
Other <sup>3</sup> .....	19,029	1,363	1,337	1,497	1,581	1,480	1,522	1,717	1,687	1,864	1,744	1,687	1,549
Highways and streets .....	34,205	1,196	1,250	1,505	2,044	2,797	3,819	3,756	3,945	4,327	3,986	3,249	2,333
Military facilities .....	2,405	198	191	228	210	200	193	209	213	234	155	189	185
Conservation and development .....	5,745	387	444	544	453	493	512	492	493	707	410	410	401
Other public construction .....	24,708	1,653	1,634	1,647	2,081	2,050	2,249	2,220	2,463	2,353	2,108	2,183	2,066
Sewer systems .....	9,095	701	664	692	671	735	861	812	858	841	796	749	716
Water supply facilities .....	5,143	340	318	311	437	510	486	469	463	427	483	472	428
Miscellaneous public <sup>4</sup> .....	10,470	612	653	644	973	805	901	939	1,142	1,086	829	963	922

See footnotes at end of table.



Table 6b. Annual and Monthly Value of New Construction Put in Place—Not Seasonally Adjusted in 1992 Dollars: 1993-1995—Con.

[Millions of dollars]

Type of construction	1994												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Total new construction</b> . . . . .	<b>487,644</b>	<b>31,399</b>	<b>30,461</b>	<b>35,467</b>	<b>38,397</b>	<b>42,291</b>	<b>45,139</b>	<b>45,487</b>	<b>47,521</b>	<b>46,709</b>	<b>45,040</b>	<b>42,320</b>	<b>37,414</b>
<b>Private construction</b> . . . . .	<b>367,898</b>	<b>24,201</b>	<b>23,402</b>	<b>27,690</b>	<b>29,876</b>	<b>32,344</b>	<b>33,768</b>	<b>33,640</b>	<b>34,843</b>	<b>34,139</b>	<b>33,391</b>	<b>32,159</b>	<b>28,444</b>
Residential buildings . . . . .	217,996	14,013	13,160	15,754	17,478	19,307	20,624	20,888	21,259	20,498	20,140	18,859	16,015
New housing units . . . . .	153,250	10,220	9,523	11,468	12,285	13,308	14,085	14,471	14,631	14,516	13,954	13,395	11,393
1 unit . . . . .	140,416	9,478	8,752	10,591	11,336	12,230	12,966	13,361	13,404	13,177	12,743	12,154	10,224
2 units or more . . . . .	12,833	742	771	877	950	1,077	1,119	1,109	1,227	1,339	1,212	1,241	1,169
Improvements . . . . .	64,746	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Nonresidential buildings . . . . .	111,416	7,465	7,509	8,794	9,215	9,720	9,745	9,479	10,062	10,254	9,951	9,977	9,245
Industrial . . . . .	26,803	1,812	1,900	2,010	2,143	2,300	2,259	2,196	2,326	2,433	2,364	2,601	2,460
Office . . . . .	20,553	1,368	1,497	1,830	1,808	1,905	1,680	1,614	1,773	1,841	1,716	1,861	1,661
Hotels, motels . . . . .	4,308	295	328	377	435	418	365	296	329	343	345	384	392
Other commercial . . . . .	34,756	2,058	1,987	2,435	2,732	2,884	3,128	3,212	3,415	3,528	3,459	3,075	2,842
Religious . . . . .	3,584	264	254	277	274	306	303	292	351	326	335	308	295
Educational . . . . .	4,471	358	309	371	344	399	439	441	416	369	346	349	329
Hospital and institutional . . . . .	11,377	928	836	986	966	1,013	1,082	951	997	918	906	929	865
Miscellaneous <sup>1</sup> . . . . .	5,565	382	397	507	513	496	490	478	456	496	479	469	401
Farm nonresidential . . . . .	3,007	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Public utilities . . . . .	32,717	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Telecommunications . . . . .	9,875	616	679	829	723	790	899	790	970	866	856	913	945
Railroads . . . . .	3,186	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electric light and power . . . . .	13,877	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Gas . . . . .	4,861	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Petroleum pipelines . . . . .	918	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
All other private <sup>2</sup> . . . . .	2,763	228	189	182	192	230	252	274	253	266	254	239	203
<b>Public construction</b> . . . . .	<b>119,747</b>	<b>7,198</b>	<b>7,059</b>	<b>7,777</b>	<b>8,521</b>	<b>9,946</b>	<b>11,371</b>	<b>11,847</b>	<b>12,678</b>	<b>12,570</b>	<b>11,648</b>	<b>10,161</b>	<b>8,970</b>
Buildings . . . . .	49,882	3,404	3,551	3,791	3,787	4,179	4,571	4,490	4,730	4,549	4,457	4,238	4,134
Housing and redevelopment . . . . .	4,788	339	313	402	397	421	434	377	382	415	463	418	427
Industrial . . . . .	1,358	94	103	134	113	114	112	100	111	153	102	108	114
Educational . . . . .	21,731	1,515	1,508	1,569	1,597	1,804	1,977	2,150	2,316	2,012	1,965	1,743	1,575
Hospital . . . . .	3,652	284	295	309	281	300	340	332	282	318	288	299	325
Other <sup>3</sup> . . . . .	18,353	1,173	1,332	1,378	1,399	1,541	1,708	1,532	1,639	1,652	1,638	1,670	1,692
Highways and streets . . . . .	36,463	1,514	1,344	1,756	2,241	3,246	3,874	4,286	4,675	4,317	4,116	3,032	2,062
Military facilities . . . . .	2,196	204	123	162	162	176	190	194	196	241	142	182	225
Conservation and development . . . . .	6,002	372	445	379	453	463	494	508	520	866	463	483	556
Other public construction . . . . .	25,203	1,704	1,596	1,690	1,878	1,883	2,242	2,367	2,558	2,596	2,470	2,226	1,993
Sewer systems . . . . .	9,499	634	564	687	729	719	859	846	921	991	884	861	802
Water supply facilities . . . . .	4,911	349	270	333	355	378	422	472	447	515	563	425	382
Miscellaneous public <sup>4</sup> . . . . .	10,793	721	762	669	793	786	961	1,048	1,190	1,090	1,023	941	809

See footnotes at end of table.

Table 6b. Annual and Monthly Value of New Construction Put in Place—Not Seasonally Adjusted in 1992 Dollars: 1993-1995—Con.

[Millions of dollars]

Type of construction	1995												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Total new construction</b> . . . . .	<b>486,666</b>	<b>32,832</b>	<b>31,973</b>	<b>36,169</b>	<b>38,534</b>	<b>41,880</b>	<b>44,465</b>	<b>44,466</b>	<b>46,571</b>	<b>45,892</b>	<b>44,979</b>	<b>41,879</b>	<b>37,027</b>
<b>Private construction</b> . . . . .	<b>363,086</b>	<b>25,243</b>	<b>24,641</b>	<b>27,813</b>	<b>29,311</b>	<b>31,262</b>	<b>32,708</b>	<b>32,823</b>	<b>33,613</b>	<b>33,093</b>	<b>33,082</b>	<b>31,295</b>	<b>28,203</b>
Residential buildings . . . . .	207,392	14,144	13,152	15,207	16,379	17,814	18,915	19,214	19,920	19,331	19,339	18,263	15,714
New housing units . . . . .	142,790	10,317	9,492	10,880	11,107	11,714	12,245	12,847	13,398	13,437	13,355	12,906	11,092
1 unit . . . . .	127,108	9,252	8,417	9,639	9,869	10,379	10,923	11,450	11,917	12,038	11,960	11,549	9,715
2 units or more . . . . .	15,682	1,065	1,076	1,241	1,238	1,335	1,322	1,397	1,481	1,399	1,395	1,357	1,377
Improvements . . . . .	64,601	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Nonresidential buildings . . . . .	119,835	8,384	8,718	9,524	9,819	10,291	10,510	10,515	10,614	10,743	10,664	10,212	9,840
Industrial . . . . .	28,902	2,025	2,178	2,316	2,529	2,585	2,516	2,492	2,433	2,517	2,458	2,392	2,461
Office . . . . .	22,603	1,693	1,717	1,879	1,938	2,170	1,995	2,069	2,025	1,906	1,807	1,725	1,678
Hotels, motels . . . . .	6,438	411	432	562	430	501	512	532	543	560	560	707	736
Other commercial . . . . .	37,809	2,493	2,608	2,943	2,942	3,028	3,423	3,366	3,460	3,640	3,610	3,294	3,001
Religious . . . . .	3,862	256	267	267	306	333	329	343	368	370	387	346	289
Educational . . . . .	4,915	315	328	350	389	408	505	525	559	443	387	386	317
Hospital and institutional . . . . .	9,998	810	836	815	850	856	778	788	813	851	889	856	855
Miscellaneous <sup>1</sup> . . . . .	5,309	381	352	392	435	410	452	419	424	472	564	506	503
Farm nonresidential . . . . .	3,107	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Public utilities . . . . .	30,169	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Telecommunications . . . . .	9,798	713	671	860	830	798	934	867	870	812	843	830	769
Railroads . . . . .	3,046	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electric light and power . . . . .	11,825	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Gas . . . . .	4,667	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Petroleum pipelines . . . . .	834	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
All other private <sup>2</sup> . . . . .	2,583	192	186	207	225	244	244	235	214	219	218	212	187
<b>Public construction</b> . . . . .	<b>123,579</b>	<b>7,589</b>	<b>7,332</b>	<b>8,355</b>	<b>9,223</b>	<b>10,618</b>	<b>11,757</b>	<b>11,643</b>	<b>12,958</b>	<b>12,798</b>	<b>11,897</b>	<b>10,585</b>	<b>8,824</b>
Buildings . . . . .	53,373	3,760	3,730	4,020	4,247	4,564	5,017	4,856	5,123	5,046	4,560	4,423	4,028
Housing and redevelopment . . . . .	5,397	396	375	406	440	445	508	458	482	490	492	459	445
Industrial . . . . .	1,351	112	113	123	117	113	106	110	109	160	87	104	98
Educational . . . . .	22,905	1,483	1,505	1,618	1,700	1,840	2,170	2,317	2,498	2,245	1,989	1,856	1,682
Hospital . . . . .	3,888	286	297	311	336	352	338	326	287	398	315	332	310
Other <sup>3</sup> . . . . .	19,832	1,482	1,439	1,562	1,654	1,815	1,895	1,646	1,746	1,752	1,676	1,672	1,492
Highways and streets . . . . .	34,931	1,445	1,305	1,714	2,149	3,090	3,540	3,792	4,497	4,092	4,148	3,028	2,129
Military facilities . . . . .	2,721	202	163	259	204	224	238	231	236	324	140	238	259
Conservation and development . . . . .	5,798	424	439	518	463	470	520	499	591	689	339	432	413
Other public construction . . . . .	26,757	1,757	1,696	1,844	2,161	2,268	2,442	2,264	2,510	2,647	2,710	2,463	1,995
Sewer systems . . . . .	9,859	681	639	728	717	800	952	824	928	957	955	927	750
Water supply facilities . . . . .	5,407	385	387	353	393	417	457	503	538	472	547	526	429
Miscellaneous public <sup>4</sup> . . . . .	11,491	691	670	763	1,050	1,051	1,034	937	1,043	1,218	1,208	1,010	816

NA Not available, but estimates are included in total.

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

**Table 7a. Monthly Value of New Public Construction Put in Place—Not Seasonally Adjusted in Current Dollars: May 1994-May 1996**

[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 <sup>2</sup>
			Total	Housing and redevelopment	Educational	Hospital	Other buildings <sup>1</sup>					
1994:	May <sup>f</sup> . . . . .	9,347	4,102	429	1,930	271	1,472	3,280	136	758	412	659
	June <sup>f</sup> . . . . .	10,716	4,433	440	2,122	262	1,609	3,919	172	907	461	825
	July <sup>f</sup> . . . . .	11,368	4,462	375	2,318	265	1,503	4,383	212	898	518	895
	August <sup>f</sup> . . . . .	12,243	4,763	384	2,508	245	1,626	4,811	189	981	492	1,007
	September <sup>f</sup> . . . . .	11,706	4,455	420	2,185	269	1,580	4,454	250	1,057	567	924
	October <sup>f</sup> . . . . .	11,402	4,439	478	2,149	257	1,556	4,277	179	948	624	936
	November <sup>f</sup> . . . . .	9,743	4,199	436	1,913	249	1,600	3,161	175	925	473	811
	December <sup>f</sup> . . . . .	8,351	4,028	410	1,739	283	1,596	2,155	208	864	427	669
1995:	January <sup>f</sup> . . . . .	7,131	3,721	426	1,645	239	1,412	1,524	167	741	430	549
	February <sup>f</sup> . . . . .	6,940	3,680	390	1,667	247	1,378	1,380	170	698	433	579
	March <sup>f</sup> . . . . .	7,771	3,935	420	1,792	260	1,463	1,818	193	796	395	634
	April <sup>f</sup> . . . . .	8,904	4,264	472	1,887	292	1,613	2,287	200	787	440	927
	May <sup>f</sup> . . . . .	10,305	4,502	458	2,039	277	1,727	3,298	220	878	466	941
	June <sup>f</sup> . . . . .	11,649	5,089	528	2,419	286	1,855	3,819	221	1,057	514	949
	July <sup>f</sup> . . . . .	11,628	4,979	474	2,591	289	1,624	4,126	166	915	568	875
	August <sup>f</sup> . . . . .	12,971	5,251	500	2,796	243	1,713	4,887	209	1,025	606	994
	September <sup>f</sup> . . . . .	12,264	4,974	499	2,520	324	1,631	4,466	162	1,060	533	1,070
	October <sup>f</sup> . . . . .	12,384	4,786	510	2,242	302	1,733	4,551	171	1,058	619	1,199
	November <sup>f</sup> . . . . .	10,567	4,489	443	2,091	286	1,669	3,329	173	1,026	596	954
	December <sup>f</sup> . . . . .	8,636	4,071	457	1,892	261	1,460	2,343	161	830	487	745
1996:	January <sup>f</sup> . . . . .	7,689	4,026	438	1,841	285	1,463	1,702	129	748	380	705
	February <sup>f</sup> . . . . .	7,116	3,667	368	1,751	268	1,280	1,690	141	696	398	524
	March <sup>f</sup> . . . . .	7,764	3,974	361	1,930	271	1,412	1,832	147	770	417	626
	April <sup>f</sup> . . . . .	9,302	4,315	365	2,102	286	1,562	2,525	153	925	558	827
	May <sup>p</sup> . . . . .	10,959	4,838	450	2,225	311	1,852	3,421	154	987	582	977
		Federally owned public construction										
		Total Federal	Buildings					Highways and streets	Military facilities	Conservation and development	Miscellaneous construction <sup>4</sup>	
			Total	Housing	Industrial	Educational	Hospital					Other buildings <sup>3</sup>
1994:	May <sup>f</sup> . . . . .	1,101	378	27	122	2	50	178	(NA)	184	353	156
	June <sup>f</sup> . . . . .	1,244	487	32	121	3	103	228	(NA)	199	349	172
	July <sup>f</sup> . . . . .	1,159	389	37	108	2	93	150	(NA)	205	327	202
	August <sup>f</sup> . . . . .	1,228	370	36	120	2	62	150	(NA)	208	365	245
	September <sup>f</sup> . . . . .	1,702	507	39	166	5	76	220	(NA)	256	673	225
	October <sup>f</sup> . . . . .	1,100	446	38	112	1	59	236	(NA)	152	318	148
	November <sup>f</sup> . . . . .	1,230	471	31	119	5	80	236	(NA)	196	344	190
	December <sup>f</sup> . . . . .	1,403	554	72	126	3	77	276	(NA)	243	391	194
1995:	January <sup>f</sup> . . . . .	1,181	458	22	125	1	79	232	(NA)	220	295	194
	February <sup>f</sup> . . . . .	1,108	465	36	125	3	83	219	(NA)	178	309	144
	March <sup>f</sup> . . . . .	1,393	529	40	136	1	85	267	(NA)	282	374	192
	April <sup>f</sup> . . . . .	1,225	461	27	130	1	81	223	(NA)	223	307	213
	May <sup>f</sup> . . . . .	1,355	580	47	125	5	113	290	(NA)	246	297	203
	June <sup>f</sup> . . . . .	1,361	521	50	118	2	90	260	(NA)	263	356	187
	July <sup>f</sup> . . . . .	1,303	465	48	123	1	75	218	(NA)	256	389	159
	August <sup>f</sup> . . . . .	1,400	499	53	123	2	79	243	(NA)	262	444	154
	September <sup>f</sup> . . . . .	1,991	715	65	180	6	124	340	(NA)	361	600	275
	October <sup>f</sup> . . . . .	902	368	56	99	2	54	158	(NA)	157	204	136
	November <sup>f</sup> . . . . .	1,272	506	84	117	-	89	216	(NA)	267	306	165
	December <sup>f</sup> . . . . .	1,243	477	53	110	4	89	222	(NA)	290	297	159
1996:	January <sup>f</sup> . . . . .	1,194	490	49	105	1	71	263	(NA)	278	253	160
	February <sup>f</sup> . . . . .	1,170	477	43	107	-	110	216	(NA)	267	237	177
	March <sup>f</sup> . . . . .	1,263	504	45	129	1	113	217	(NA)	286	284	172
	April <sup>f</sup> . . . . .	1,183	454	46	122	1	80	206	(NA)	252	260	196
	May <sup>p</sup> . . . . .	1,313	565	64	130	1	137	233	(NA)	260	252	208

- Represent zero or rounds to zero. NA Not available, but estimates are included in totals. <sup>p</sup>Preliminary. <sup>f</sup>Revised.

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

Table 7b. Annual and Monthly Value of New Public Construction Put in Place—Not Seasonally Adjusted in Current Dollars: 1993-1995

[Millions of dollars]

Type of construction	1993												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>State and local construction . . .</b>	<b>105,726</b>	<b>5,851</b>	<b>5,979</b>	<b>6,347</b>	<b>7,597</b>	<b>8,593</b>	<b>10,184</b>	<b>10,453</b>	<b>11,289</b>	<b>11,144</b>	<b>10,453</b>	<b>9,569</b>	<b>8,268</b>
Total buildings . . . . .	46,377	3,021	3,074	3,187	3,452	3,685	4,163	4,461	4,819	4,456	4,210	4,066	3,784
Housing and redevelopment . . . . .	4,619	330	351	340	385	386	467	407	372	403	406	396	376
Educational . . . . .	22,082	1,326	1,347	1,355	1,495	1,711	2,050	2,354	2,633	2,181	1,943	1,891	1,797
Hospital . . . . .	2,760	181	178	215	220	208	257	226	238	257	253	263	263
Other <sup>1</sup> . . . . .	16,916	1,185	1,197	1,277	1,352	1,380	1,389	1,474	1,576	1,615	1,608	1,516	1,348
Highways and streets . . . . .	34,003	1,180	1,239	1,507	2,055	2,783	3,771	3,708	3,923	4,316	3,957	3,235	2,330
Conservation and development . . . . .	1,692	110	116	118	103	142	134	168	155	186	169	158	134
Other State and local construction . . . . .	23,654	1,540	1,550	1,536	1,988	1,983	2,116	2,116	2,392	2,186	2,118	2,110	2,020
Sewer systems . . . . .	9,354	707	673	709	689	746	867	830	893	882	830	780	748
Water supply facilities . . . . .	5,373	348	328	324	461	535	507	485	480	443	506	499	457
Miscellaneous nonbuilding <sup>2</sup> . . . . .	8,928	485	549	503	838	701	742	801	1,019	861	783	832	816
<b>Federal construction . . . . .</b>	<b>14,424</b>	<b>1,043</b>	<b>1,032</b>	<b>1,366</b>	<b>1,319</b>	<b>1,059</b>	<b>1,174</b>	<b>1,278</b>	<b>1,196</b>	<b>1,704</b>	<b>962</b>	<b>1,132</b>	<b>1,159</b>
Total buildings . . . . .	5,695	430	390	531	571	364	403	547	425	601	430	476	526
Housing . . . . .	236	10	17	14	25	21	17	30	12	19	19	26	24
Industrial . . . . .	1,718	147	134	167	162	131	120	137	138	180	114	118	170
Educational . . . . .	21	1	1	2	2	2	2	2	3	3	1	1	1
Hospital . . . . .	906	72	69	81	93	66	94	78	91	62	77	76	46
Other Federal buildings <sup>3</sup> . . . . .	2,814	201	169	267	288	145	170	300	180	337	218	255	285
Highways and streets . . . . .	338	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Military facilities . . . . .	2,453	199	193	233	215	203	195	212	218	241	159	195	191
Conservation and development . . . . .	4,217	281	334	440	362	358	382	335	358	556	258	269	284
Miscellaneous nonbuilding <sup>4</sup> . . . . .	1,722	127	108	152	155	111	162	147	150	256	66	156	131

See footnotes at end of table.

Table 7b. Annual and Monthly Value of New Public Construction Put in Place—Not Seasonally Adjusted in Current Dollars: 1993-1995—Con.

[Millions of dollars]

Type of construction	1994												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>State and local construction . . .</b>	<b>112,699</b>	<b>6,515</b>	<b>6,328</b>	<b>7,137</b>	<b>7,844</b>	<b>9,347</b>	<b>10,716</b>	<b>11,368</b>	<b>12,243</b>	<b>11,706</b>	<b>11,402</b>	<b>9,743</b>	<b>8,351</b>
Total buildings . . . . .	48,787	3,303	3,368	3,614	3,621	4,102	4,433	4,462	4,763	4,455	4,439	4,199	4,028
Housing and redevelopment . . . . .	4,801	340	316	404	368	429	440	375	384	420	478	436	410
Educational . . . . .	23,430	1,603	1,597	1,663	1,702	1,930	2,122	2,318	2,508	2,185	2,149	1,913	1,739
Hospital . . . . .	3,089	232	251	258	246	271	262	265	245	269	257	249	283
Other <sup>1</sup> . . . . .	17,467	1,129	1,203	1,288	1,306	1,472	1,609	1,503	1,626	1,580	1,556	1,600	1,596
Highways and streets . . . . .	37,327	1,517	1,348	1,766	2,258	3,280	3,919	4,383	4,811	4,454	4,277	3,161	2,155
Conservation and development . . . . .	1,994	101	127	117	130	136	172	212	189	250	179	175	208
Other State and local construction . . . . .	24,591	1,594	1,485	1,641	1,835	1,829	2,193	2,311	2,480	2,547	2,507	2,208	1,960
Sewer systems . . . . .	10,081	664	591	722	767	758	907	898	981	1,057	948	925	864
Water supply facilities . . . . .	5,388	375	291	362	387	412	461	518	492	567	624	473	427
Miscellaneous nonbuilding <sup>2</sup> . . . . .	9,122	555	603	558	681	659	825	895	1,007	924	936	811	669
<b>Federal construction . . . . .</b>	<b>14,356</b>	<b>1,008</b>	<b>1,064</b>	<b>1,017</b>	<b>1,100</b>	<b>1,101</b>	<b>1,244</b>	<b>1,159</b>	<b>1,228</b>	<b>1,702</b>	<b>1,100</b>	<b>1,230</b>	<b>1,403</b>
Total buildings . . . . .	5,142	304	402	416	421	378	487	389	370	507	446	471	554
Housing . . . . .	446	24	22	29	60	27	32	37	36	39	38	31	72
Industrial . . . . .	1,465	100	109	142	121	122	121	108	120	166	112	119	126
Educational . . . . .	26	1	1	1	1	2	3	2	2	5	1	5	3
Hospital . . . . .	851	68	61	70	53	50	103	93	62	76	59	80	77
Other Federal buildings <sup>3</sup> . . . . .	2,354	112	209	174	186	178	228	150	150	220	236	236	276
Highways and streets . . . . .	344	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Military facilities . . . . .	2,318	211	128	168	169	184	199	205	208	256	152	196	243
Conservation and development . . . . .	4,376	289	339	281	348	353	349	327	365	673	318	344	391
Miscellaneous nonbuilding <sup>4</sup> . . . . .	2,176	188	182	134	140	156	172	202	245	225	148	190	194

See footnotes at end of table.

Table 7b. Annual and Monthly Value of New Public Construction Put in Place—Not Seasonally Adjusted in Current Dollars: 1993-1995—Con.

[Millions of dollars]

Type of construction	1995												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>State and local construction . . .</b>	<b>121,148</b>	<b>7,131</b>	<b>6,940</b>	<b>7,771</b>	<b>8,904</b>	<b>10,305</b>	<b>11,649</b>	<b>11,628</b>	<b>12,971</b>	<b>12,264</b>	<b>12,384</b>	<b>10,567</b>	<b>8,636</b>
Total buildings . . . . .	53,740	3,721	3,680	3,935	4,264	4,502	5,089	4,979	5,251	4,974	4,786	4,489	4,071
Housing and redevelopment . . . . .	5,576	426	390	420	472	458	528	474	500	499	510	443	457
Educational . . . . .	25,582	1,645	1,667	1,792	1,887	2,039	2,419	2,591	2,796	2,520	2,242	2,091	1,892
Hospital . . . . .	3,305	239	247	260	292	277	286	289	243	324	302	286	261
Other <sup>1</sup> . . . . .	19,277	1,412	1,378	1,463	1,613	1,727	1,855	1,624	1,713	1,631	1,733	1,669	1,460
Highways and streets . . . . .	37,826	1,524	1,380	1,818	2,287	3,298	3,819	4,126	4,887	4,466	4,551	3,329	2,343
Conservation and development . . . . .	2,213	167	170	193	200	220	221	166	209	162	171	173	161
Other State and local construction . . . . .	27,369	1,720	1,710	1,825	2,153	2,285	2,520	2,357	2,624	2,662	2,876	2,576	2,062
Sewer systems . . . . .	10,869	741	698	796	787	878	1,057	915	1,025	1,060	1,058	1,026	830
Water supply facilities . . . . .	6,085	430	433	395	440	466	514	568	606	533	619	596	487
Miscellaneous nonbuilding <sup>2</sup> . . . . .	10,416	549	579	634	927	941	949	875	994	1,070	1,199	954	745
<b>Federal construction . . . . .</b>	<b>15,735</b>	<b>1,181</b>	<b>1,108</b>	<b>1,393</b>	<b>1,225</b>	<b>1,355</b>	<b>1,361</b>	<b>1,303</b>	<b>1,400</b>	<b>1,991</b>	<b>902</b>	<b>1,272</b>	<b>1,243</b>
Total buildings . . . . .	6,043	458	465	529	461	580	521	465	499	715	368	506	477
Housing . . . . .	580	22	36	40	27	47	50	48	53	65	56	84	53
Industrial . . . . .	1,510	125	125	136	130	125	118	123	123	180	99	117	110
Educational . . . . .	27	1	3	1	1	5	2	1	2	6	2	-	4
Hospital . . . . .	1,040	79	83	85	81	113	90	75	79	124	54	89	89
Other Federal buildings <sup>3</sup> . . . . .	2,887	232	219	267	223	290	260	218	243	340	158	216	222
Highways and streets . . . . .	333	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Military facilities . . . . .	3,002	220	178	282	223	246	263	256	262	361	157	267	290
Conservation and development . . . . .	4,176	295	309	374	307	297	356	389	444	600	204	306	297
Miscellaneous nonbuilding <sup>4</sup> . . . . .	2,181	194	144	192	213	203	187	159	154	275	136	165	159

- Represents zero or rounds to zero. NA Not available, but estimates are included in total.

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

Table 8a. **Monthly Value of New Public Construction Put in Place—Seasonally Adjusted Annual Rate in Current Dollars: May 1994-May 1996**

[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 <sup>2</sup>
			Total	Housing and redevelopment	Educational	Hospital	Other buildings <sup>1</sup>					
1994:	May <sup>f</sup>	110,207	48,785	5,083	23,559	3,315	16,827	37,485	1,663	9,436	4,755	8,083
	June <sup>f</sup>	112,286	48,743	4,916	22,779	3,042	18,006	37,559	1,894	9,962	5,026	9,103
	July <sup>f</sup>	117,508	48,237	4,387	22,823	3,150	17,878	41,158	2,302	10,363	5,740	9,708
	August <sup>f</sup>	113,040	48,423	4,574	22,804	2,862	18,183	37,760	1,805	10,108	5,317	9,626
	September <sup>f</sup>	114,905	48,540	4,816	23,004	3,151	17,568	37,242	2,553	10,874	6,269	9,428
	October <sup>f</sup>	117,079	51,745	5,542	25,457	2,916	17,830	37,736	1,800	9,967	6,407	9,424
	November <sup>f</sup>	113,454	50,294	4,978	24,059	2,863	18,394	36,293	1,985	10,328	5,359	9,195
	December <sup>f</sup>	116,318	52,191	5,061	23,742	3,380	20,008	35,517	2,780	11,422	5,459	8,948
1995:	January <sup>f</sup>	115,713	51,753	5,500	23,920	3,081	19,252	35,649	2,650	10,748	6,178	8,736
	February <sup>f</sup>	114,884	51,913	5,167	24,750	3,167	18,828	34,062	2,652	10,514	6,724	9,019
	March <sup>f</sup>	118,307	52,809	5,320	25,185	3,306	18,999	37,292	2,842	10,577	5,452	9,335
	April <sup>f</sup>	122,882	54,837	5,807	25,552	3,561	19,917	36,938	2,698	10,272	5,653	12,484
	May <sup>f</sup>	119,959	53,708	5,481	24,998	3,362	19,867	36,710	2,577	10,581	5,351	11,032
	June <sup>f</sup>	122,971	55,640	5,808	25,897	3,324	20,612	36,959	2,413	11,951	5,660	10,348
	July <sup>f</sup>	120,171	54,060	5,704	25,530	3,451	19,375	38,029	1,807	10,618	6,115	9,542
	August <sup>f</sup>	120,251	52,522	5,721	25,116	2,914	18,772	38,479	2,105	10,582	6,561	10,003
	September <sup>f</sup>	122,430	55,184	5,813	27,049	3,670	18,652	37,870	1,642	10,923	5,979	10,832
	October <sup>f</sup>	125,686	54,421	5,741	26,094	3,351	19,234	39,801	1,726	11,201	6,422	12,114
	November <sup>f</sup>	122,829	53,894	5,129	26,086	3,442	19,237	38,013	1,984	11,412	6,594	10,932
	December <sup>f</sup>	123,111	53,729	5,710	26,344	3,092	18,583	40,043	2,163	10,846	6,317	10,014
1996:	January <sup>f</sup>	124,369	56,466	5,750	26,968	3,644	20,104	39,122	1,970	10,556	5,469	10,786
	February <sup>f</sup>	117,073	49,677	4,629	24,928	3,423	16,697	40,644	2,188	10,456	5,992	8,116
	March <sup>f</sup>	122,020	54,155	4,594	27,499	3,420	18,643	39,185	2,286	10,737	5,916	9,740
	April <sup>f</sup>	126,080	54,629	4,504	27,836	3,396	18,894	39,553	1,950	12,294	7,122	10,531
	May <sup>p</sup>	128,007	57,603	5,233	27,329	3,856	21,186	38,549	1,820	11,810	6,709	11,517
		Federally owned public construction										
		Total Federal	Buildings					Highways and streets	Military facilities	Conservation and development	Miscellaneous construction <sup>4</sup>	
			Total	Housing	Industrial	Educational	Hospital					Other buildings <sup>3</sup>
1994:	May <sup>f</sup>	13,330	4,650	327	1,497	21	619	2,186	(NA)	2,187	4,257	1,882
	June <sup>f</sup>	14,301	5,560	370	1,381	33	1,176	2,600	(NA)	2,460	3,967	1,959
	July <sup>f</sup>	13,490	4,600	433	1,278	19	1,097	1,773	(NA)	2,330	3,847	2,375
	August <sup>f</sup>	13,712	4,418	427	1,435	23	735	1,798	(NA)	2,442	3,908	2,623
	September <sup>f</sup>	14,018	4,650	361	1,525	48	701	2,015	(NA)	2,326	5,020	1,680
	October <sup>f</sup>	16,876	6,141	519	1,536	17	811	3,257	(NA)	2,312	5,522	2,576
	November <sup>f</sup>	15,616	6,127	407	1,543	65	1,040	3,072	(NA)	2,235	4,458	2,462
	December <sup>f</sup>	17,264	6,598	857	1,501	38	912	3,289	(NA)	2,742	5,063	2,515
1995:	January <sup>f</sup>	15,888	5,966	292	1,623	8	1,027	3,016	(NA)	2,818	4,084	2,692
	February <sup>f</sup>	15,761	6,341	487	1,706	37	1,129	2,982	(NA)	2,711	4,358	2,030
	March <sup>f</sup>	16,377	6,254	475	1,606	8	1,004	3,161	(NA)	3,144	4,396	2,254
	April <sup>f</sup>	15,579	5,562	324	1,563	7	978	2,690	(NA)	2,911	3,994	2,773
	May <sup>f</sup>	16,094	6,947	565	1,497	54	1,357	3,474	(NA)	2,935	3,492	2,386
	June <sup>f</sup>	15,375	5,934	568	1,346	26	1,029	2,965	(NA)	2,980	4,009	2,103
	July <sup>f</sup>	15,388	5,392	559	1,426	16	870	2,522	(NA)	3,152	4,633	1,897
	August <sup>f</sup>	16,162	6,104	643	1,498	26	963	2,974	(NA)	3,131	4,898	1,698
	September <sup>f</sup>	16,711	6,487	585	1,636	54	1,126	3,086	(NA)	3,218	4,570	2,095
	October <sup>f</sup>	13,715	5,267	799	1,412	29	769	2,258	(NA)	2,295	3,496	2,335
	November <sup>f</sup>	15,901	6,338	1,052	1,467	3	1,114	2,703	(NA)	3,217	3,904	2,110
	December <sup>f</sup>	15,399	5,914	658	1,367	43	1,097	2,748	(NA)	3,211	3,851	2,064
1996:	January <sup>f</sup>	15,687	6,282	631	1,350	14	910	3,377	(NA)	3,554	3,382	2,147
	February <sup>f</sup>	16,256	6,252	569	1,407	3	1,445	2,828	(NA)	3,982	3,267	2,443
	March <sup>f</sup>	15,237	6,109	549	1,560	7	1,363	2,630	(NA)	3,126	3,524	2,136
	April <sup>f</sup>	14,547	5,398	544	1,448	14	948	2,443	(NA)	3,182	3,223	2,431
	May <sup>p</sup>	15,153	6,449	727	1,485	14	1,559	2,664	(NA)	3,017	2,935	2,426

NA Not available, but estimates are included in totals. <sup>P</sup>Preliminary. <sup>f</sup>Revised.

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

Table 8b. Monthly Value of New Public Construction Put in Place—Seasonally Adjusted Annual Rate in Current Dollars: 1993-1995

[Millions of dollars]

Type of construction	1993											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>State and local construction . . . . .</b>	<b>95,248</b>	<b>99,112</b>	<b>96,917</b>	<b>102,447</b>	<b>102,124</b>	<b>106,984</b>	<b>107,144</b>	<b>106,652</b>	<b>109,026</b>	<b>107,867</b>	<b>111,522</b>	<b>114,237</b>
Total buildings . . . . .	42,790	42,991	42,948	43,474	44,723	45,713	47,525	48,397	48,847	49,005	48,658	49,197
Housing and redevelopment . . . . .	4,329	4,657	4,338	4,667	4,733	5,131	4,686	4,367	4,679	4,608	4,571	4,679
Educational . . . . .	19,573	19,788	19,314	19,890	21,188	22,243	22,831	23,734	23,056	23,131	23,657	24,478
Hospital . . . . .	2,371	2,298	2,646	2,729	2,600	2,818	2,720	2,798	3,036	2,858	3,018	3,160
Other <sup>1</sup> . . . . .	16,517	16,249	16,650	16,188	16,204	15,521	17,288	17,498	18,076	18,408	17,412	16,880
Highways and streets . . . . .	27,607	30,475	30,854	32,189	31,711	36,408	34,198	31,746	35,665	35,355	37,187	37,574
Conservation and development . . . . .	1,756	1,820	1,737	1,311	1,754	1,463	1,817	1,548	1,936	1,683	1,767	1,717
Other State and local construction . . . . .	23,095	23,826	21,378	25,473	23,936	23,399	23,605	24,961	22,578	21,824	23,910	25,748
Sewer systems . . . . .	10,335	10,135	9,494	8,904	9,223	9,617	9,612	9,558	8,770	8,663	9,043	9,482
Water supply facilities . . . . .	4,994	5,107	4,464	5,875	6,059	5,679	5,322	5,224	4,864	5,352	5,548	5,815
Miscellaneous nonbuilding <sup>2</sup> . . . . .	7,766	8,585	7,420	10,694	8,654	8,104	8,672	10,179	8,944	7,808	9,318	10,450
<b>Federal construction . . . . .</b>	<b>13,801</b>	<b>14,741</b>	<b>16,364</b>	<b>15,858</b>	<b>12,775</b>	<b>13,529</b>	<b>14,624</b>	<b>13,725</b>	<b>14,479</b>	<b>14,304</b>	<b>14,228</b>	<b>14,162</b>
Total buildings . . . . .	5,526	5,379	6,366	6,676	4,303	4,710	6,215	5,175	5,586	6,058	6,024	6,435
Housing . . . . .	134	240	173	296	244	202	339	150	178	269	333	291
Industrial . . . . .	1,884	1,851	1,997	1,899	1,548	1,403	1,555	1,686	1,669	1,612	1,487	2,080
Educational . . . . .	8	7	20	21	22	25	24	34	31	20	16	13
Hospital . . . . .	921	957	976	1,090	780	1,098	887	1,111	576	1,079	962	568
Other Federal buildings <sup>3</sup> . . . . .	2,580	2,324	3,200	3,370	1,710	1,982	3,409	2,194	3,132	3,078	3,225	3,484
Highways and streets . . . . .	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Military facilities . . . . .	2,447	2,942	2,662	2,631	2,496	2,278	2,429	2,553	2,387	2,249	2,206	2,176
Conservation and development . . . . .	3,915	4,721	5,299	4,414	4,361	4,377	3,916	3,971	4,169	4,426	3,536	3,500
Miscellaneous nonbuilding <sup>4</sup> . . . . .	1,773	1,527	1,832	1,886	1,353	1,854	1,723	1,661	1,924	1,133	2,048	1,615

See footnotes at end of table.



Table 8b. **Monthly Value of New Public Construction Put in Place—Seasonally Adjusted Annual Rate in Current Dollars: 1993-1995—Con.**

[Millions of dollars]

Type of construction	1994											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>State and local construction . . . . .</b>	<b>108,077</b>	<b>105,347</b>	<b>109,249</b>	<b>107,734</b>	<b>110,207</b>	<b>112,286</b>	<b>117,508</b>	<b>113,040</b>	<b>114,905</b>	<b>117,079</b>	<b>113,454</b>	<b>116,318</b>
Total buildings . . . . .	47,087	47,357	47,905	46,721	48,785	48,743	48,237	48,423	48,540	51,745	50,294	52,191
Housing and redevelopment . . . . .	4,546	4,181	4,956	4,534	5,083	4,916	4,387	4,574	4,816	5,542	4,978	5,061
Educational . . . . .	23,658	23,573	23,290	23,155	23,559	22,779	22,823	22,804	23,004	25,457	24,059	23,742
Hospital . . . . .	3,061	3,230	3,218	2,964	3,315	3,042	3,150	2,862	3,151	2,916	2,863	3,380
Other <sup>1</sup> . . . . .	15,823	16,373	16,441	16,068	16,827	18,006	17,878	18,183	17,568	17,830	18,394	20,008
Highways and streets . . . . .	35,490	33,206	36,156	35,748	37,485	37,559	41,158	37,760	37,242	37,736	36,293	35,517
Conservation and development . . . . .	1,619	1,983	1,814	1,646	1,663	1,894	2,302	1,805	2,553	1,800	1,985	2,780
Other State and local construction . . . . .	23,881	22,802	23,374	23,618	22,274	24,090	25,811	25,051	26,570	25,798	24,882	25,830
Sewer systems . . . . .	9,661	8,884	9,709	9,961	9,436	9,962	10,363	10,108	10,874	9,967	10,328	11,422
Water supply facilities . . . . .	5,283	4,532	5,022	4,999	4,755	5,026	5,740	5,317	6,269	6,407	5,359	5,459
Miscellaneous nonbuilding <sup>2</sup> . . . . .	8,936	9,385	8,643	8,658	8,083	9,103	9,708	9,626	9,428	9,424	9,195	8,948
<b>Federal construction . . . . .</b>	<b>13,708</b>	<b>15,125</b>	<b>12,536</b>	<b>13,313</b>	<b>13,330</b>	<b>14,301</b>	<b>13,490</b>	<b>13,712</b>	<b>14,018</b>	<b>16,876</b>	<b>15,616</b>	<b>17,264</b>
Total buildings . . . . .	3,808	5,494	5,059	4,877	4,650	5,560	4,600	4,418	4,650	6,141	6,127	6,598
Housing . . . . .	294	294	357	697	327	370	433	427	361	519	407	857
Industrial . . . . .	1,249	1,496	1,729	1,399	1,497	1,381	1,278	1,435	1,525	1,536	1,543	1,501
Educational . . . . .	6	18	15	8	21	33	19	23	48	17	65	38
Hospital . . . . .	857	832	845	619	619	1,176	1,097	735	701	811	1,040	912
Other Federal buildings <sup>3</sup> . . . . .	1,402	2,854	2,113	2,153	2,186	2,600	1,773	1,798	2,015	3,257	3,072	3,289
Highways and streets . . . . .	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Military facilities . . . . .	2,799	1,944	1,961	2,029	2,187	2,460	2,330	2,442	2,326	2,312	2,235	2,742
Conservation and development . . . . .	4,079	4,780	3,485	4,308	4,257	3,967	3,847	3,908	5,020	5,522	4,458	5,063
Miscellaneous nonbuilding <sup>4</sup> . . . . .	2,647	2,562	1,663	1,736	1,882	1,959	2,375	2,623	1,680	2,576	2,462	2,515

See footnotes at end of table.

Table 8b. **Monthly Value of New Public Construction Put in Place—Seasonally Adjusted Annual Rate in Current Dollars: 1993-1995—Con.**

[Millions of dollars]

Type of construction	1995											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>State and local construction . . . . .</b>	<b>115,713</b>	<b>114,884</b>	<b>118,307</b>	<b>122,882</b>	<b>119,959</b>	<b>122,971</b>	<b>120,171</b>	<b>120,251</b>	<b>122,430</b>	<b>125,686</b>	<b>122,829</b>	<b>123,111</b>
Total buildings . . . . .	51,753	51,913	52,809	54,837	53,708	55,640	54,060	52,522	55,184	54,421	53,894	53,729
Housing and redevelopment . . . . .	5,500	5,167	5,320	5,807	5,481	5,808	5,704	5,721	5,813	5,741	5,129	5,710
Educational . . . . .	23,920	24,750	25,185	25,552	24,998	25,897	25,530	25,116	27,049	26,094	26,086	26,344
Hospital . . . . .	3,081	3,167	3,306	3,561	3,362	3,324	3,451	2,914	3,670	3,351	3,442	3,092
Other <sup>1</sup> . . . . .	19,252	18,828	18,999	19,917	19,867	20,612	19,375	18,772	18,652	19,234	19,237	18,583
Highways and streets . . . . .	35,649	34,062	37,292	36,938	36,710	36,959	38,029	38,479	37,870	39,801	38,013	40,043
Conservation and development . . . . .	2,650	2,652	2,842	2,698	2,577	2,413	1,807	2,105	1,642	1,726	1,984	2,163
Other State and local construction . . . . .	25,662	26,257	25,364	28,409	26,963	27,959	26,275	27,146	27,734	29,738	28,938	27,176
Sewer systems . . . . .	10,748	10,514	10,577	10,272	10,581	11,951	10,618	10,582	10,923	11,201	11,412	10,846
Water supply facilities . . . . .	6,178	6,724	5,452	5,653	5,351	5,660	6,115	6,561	5,979	6,422	6,594	6,317
Miscellaneous nonbuilding <sup>2</sup> . . . . .	8,736	9,019	9,335	12,484	11,032	10,348	9,542	10,003	10,832	12,114	10,932	10,014
<b>Federal construction . . . . .</b>	<b>15,888</b>	<b>15,761</b>	<b>16,377</b>	<b>15,579</b>	<b>16,094</b>	<b>15,375</b>	<b>15,388</b>	<b>16,162</b>	<b>16,711</b>	<b>13,715</b>	<b>15,901</b>	<b>15,399</b>
Total buildings . . . . .	5,966	6,341	6,254	5,562	6,947	5,934	5,392	6,104	6,487	5,267	6,338	5,914
Housing . . . . .	292	487	475	324	565	568	559	643	585	799	1,052	658
Industrial . . . . .	1,623	1,706	1,606	1,563	1,497	1,346	1,426	1,498	1,636	1,412	1,467	1,367
Educational . . . . .	8	37	8	7	54	26	16	26	54	29	3	43
Hospital . . . . .	1,027	1,129	1,004	978	1,357	1,029	870	963	1,126	769	1,114	1,097
Other Federal buildings <sup>3</sup> . . . . .	3,016	2,982	3,161	2,690	3,474	2,965	2,522	2,974	3,086	2,258	2,703	2,748
Highways and streets . . . . .	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Military facilities . . . . .	2,818	2,711	3,144	2,911	2,935	2,980	3,152	3,131	3,218	2,295	3,217	3,211
Conservation and development . . . . .	4,084	4,358	4,396	3,994	3,492	4,009	4,633	4,898	4,570	3,496	3,904	3,851
Miscellaneous nonbuilding <sup>4</sup> . . . . .	2,692	2,030	2,254	2,773	2,386	2,103	1,897	1,698	2,095	2,335	2,110	2,064

NA Not available, but estimates are included in total.

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

Table 9a. **Monthly Value of New Public Construction Put in Place—Seasonally Adjusted Annual Rate in 1992 Dollars: May 1994-May 1996**

[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 <sup>2</sup>
			Total	Housing and redevelopment	Educational	Hospital	Other buildings <sup>1</sup>					
1994:	May <sup>f</sup> . . . . .	104,936	45,503	4,698	21,997	3,095	15,712	36,750	1,577	8,952	4,358	7,795
	June <sup>f</sup> . . . . .	106,675	45,283	4,514	21,189	2,830	16,749	36,787	1,795	9,442	4,598	8,769
	July <sup>f</sup> . . . . .	111,024	44,653	4,014	21,152	2,919	16,569	39,920	2,170	9,767	5,232	9,282
	August <sup>f</sup> . . . . .	106,161	44,617	4,165	21,037	2,641	16,774	36,378	1,695	9,491	4,830	9,150
	September <sup>f</sup> . . . . .	107,514	44,505	4,354	21,124	2,893	16,133	35,775	2,395	10,201	5,694	8,945
	October <sup>f</sup> . . . . .	108,875	47,213	4,979	23,270	2,665	16,298	36,007	1,679	9,298	5,788	8,890
	November <sup>f</sup> . . . . .	105,059	45,641	4,445	21,872	2,603	16,722	34,499	1,846	9,607	4,824	8,642
	December <sup>f</sup> . . . . .	107,214	47,096	4,483	21,467	3,056	18,090	33,665	2,579	10,596	4,891	8,387
1995:	January <sup>f</sup> . . . . .	106,043	46,565	4,859	21,569	2,778	17,360	33,505	2,438	9,888	5,521	8,126
	February <sup>f</sup> . . . . .	105,059	46,712	4,561	22,317	2,856	16,978	31,923	2,429	9,628	6,009	8,358
	March <sup>f</sup> . . . . .	108,174	47,556	4,696	22,730	2,984	17,147	34,853	2,598	9,668	4,873	8,628
	April <sup>f</sup> . . . . .	112,064	49,292	5,121	23,020	3,208	17,943	34,393	2,459	9,364	5,061	11,495
	May <sup>f</sup> . . . . .	109,241	48,238	4,829	22,500	3,026	17,882	34,086	2,347	9,636	4,794	10,140
	June <sup>f</sup> . . . . .	111,087	49,761	5,108	23,205	2,978	18,470	33,939	2,174	10,767	5,031	9,416
	July <sup>f</sup> . . . . .	108,145	48,217	5,003	22,815	3,084	17,315	34,667	1,628	9,566	5,417	8,651
	August <sup>f</sup> . . . . .	108,309	46,783	4,996	22,425	2,602	16,760	35,108	1,907	9,585	5,832	9,093
	September <sup>f</sup> . . . . .	109,794	48,940	5,054	24,044	3,262	16,580	34,396	1,483	9,867	5,296	9,812
	October <sup>f</sup> . . . . .	112,444	48,148	4,992	23,133	2,971	17,052	35,987	1,559	10,119	5,679	10,953
	November <sup>f</sup> . . . . .	109,801	47,737	4,468	23,146	3,054	17,069	34,277	1,792	10,309	5,820	9,866
	December <sup>f</sup> . . . . .	110,025	47,590	4,983	23,376	2,743	16,489	36,075	1,954	9,797	5,570	9,038
1996:	January <sup>f</sup> . . . . .	110,988	49,970	5,008	23,908	3,230	17,823	35,182	1,778	9,527	4,814	9,717
	February <sup>f</sup> . . . . .	104,423	43,929	4,029	22,080	3,031	14,789	36,517	1,973	9,428	5,270	7,305
	March <sup>f</sup> . . . . .	108,154	47,787	4,005	24,292	3,021	16,469	34,800	2,051	9,630	5,190	8,696
	April <sup>f</sup> . . . . .	111,385	48,083	3,920	24,525	2,992	16,647	35,003	1,741	10,977	6,220	9,361
	May <sup>p</sup> . . . . .	112,682	50,577	4,558	24,015	3,388	18,617	33,964	1,618	10,498	5,834	10,192
		Federally owned public construction										
		Total Federal	Buildings					Highways and streets	Military facilities	Conservation and development	Miscellaneous construction <sup>4</sup>	
			Total	Housing	Industrial	Educational	Hospital					Other buildings <sup>3</sup>
1994:	May <sup>f</sup> . . . . .	12,632	4,338	303	1,397	20	578	2,041	(NA)	2,093	4,039	1,815
	June <sup>f</sup> . . . . .	13,510	5,168	340	1,284	31	1,094	2,419	(NA)	2,348	3,760	1,887
	July <sup>f</sup> . . . . .	12,691	4,258	396	1,185	18	1,017	1,643	(NA)	2,208	3,626	2,271
	August <sup>f</sup> . . . . .	12,844	4,070	389	1,324	21	678	1,658	(NA)	2,302	3,669	2,493
	September <sup>f</sup> . . . . .	13,081	4,265	326	1,400	44	644	1,851	(NA)	2,184	4,709	1,594
	October <sup>f</sup> . . . . .	15,656	5,605	467	1,404	15	742	2,977	(NA)	2,159	5,151	2,430
	November <sup>f</sup> . . . . .	14,419	5,564	363	1,403	59	946	2,793	(NA)	2,078	4,147	2,314
	December <sup>f</sup> . . . . .	15,868	5,950	759	1,357	34	825	2,974	(NA)	2,537	4,696	2,357
1995:	January <sup>f</sup> . . . . .	14,538	5,374	258	1,464	7	926	2,720	(NA)	2,595	3,757	2,505
	February <sup>f</sup> . . . . .	14,373	5,708	430	1,538	33	1,018	2,689	(NA)	2,492	3,991	1,881
	March <sup>f</sup> . . . . .	14,931	5,635	419	1,449	7	906	2,853	(NA)	2,887	4,018	2,083
	April <sup>f</sup> . . . . .	14,181	5,004	285	1,408	7	881	2,423	(NA)	2,666	3,641	2,554
	May <sup>f</sup> . . . . .	14,609	6,242	498	1,347	49	1,221	3,127	(NA)	2,683	3,180	2,193
	June <sup>f</sup> . . . . .	13,858	5,308	499	1,206	23	922	2,657	(NA)	2,704	3,612	1,914
	July <sup>f</sup> . . . . .	13,834	4,810	490	1,274	15	777	2,254	(NA)	2,845	4,174	1,720
	August <sup>f</sup> . . . . .	14,545	5,437	562	1,338	23	860	2,655	(NA)	2,826	4,437	1,544
	September <sup>f</sup> . . . . .	14,981	5,755	509	1,454	48	1,001	2,743	(NA)	2,892	4,128	1,898
	October <sup>f</sup> . . . . .	12,271	4,656	695	1,252	25	682	2,002	(NA)	2,054	3,158	2,111
	November <sup>f</sup> . . . . .	14,214	5,607	917	1,302	2	988	2,399	(NA)	2,878	3,527	1,904
	December <sup>f</sup> . . . . .	13,775	5,238	574	1,213	38	973	2,439	(NA)	2,872	3,478	1,862
1996:	January <sup>f</sup> . . . . .	14,009	5,560	550	1,197	13	807	2,994	(NA)	3,173	3,052	1,934
	February <sup>f</sup> . . . . .	14,506	5,529	495	1,246	2	1,280	2,504	(NA)	3,552	2,946	2,199
	March <sup>f</sup> . . . . .	13,531	5,390	478	1,378	6	1,204	2,323	(NA)	2,769	3,161	1,907
	April <sup>f</sup> . . . . .	12,874	4,750	474	1,276	13	835	2,152	(NA)	2,809	2,878	2,161
	May <sup>p</sup> . . . . .	13,358	5,661	634	1,305	12	1,370	2,341	(NA)	2,654	2,609	2,147

NA Not available, but estimates are included in totals. <sup>p</sup>Preliminary. <sup>f</sup>Revised.

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

Table 9b. **Monthly Value of New Public Construction Put in Place—Seasonally Adjusted Annual Rate in 1992 Dollars: 1993-1995**

[Millions of dollars]

Type of construction	1993											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>State and local construction . . . . .</b>	<b>94,481</b>	<b>97,901</b>	<b>94,787</b>	<b>99,702</b>	<b>100,160</b>	<b>105,626</b>	<b>105,139</b>	<b>103,647</b>	<b>105,543</b>	<b>104,593</b>	<b>107,906</b>	<b>110,167</b>
Total buildings . . . . .	42,021	42,058	41,644	41,927	43,377	44,536	45,929	46,439	46,612	46,747	46,268	46,606
Housing and redevelopment . . . . .	4,203	4,512	4,195	4,505	4,551	4,905	4,459	4,143	4,427	4,343	4,280	4,369
Educational . . . . .	19,246	19,381	18,733	19,181	20,571	21,722	22,102	22,799	22,021	22,093	22,531	23,224
Hospital . . . . .	2,331	2,251	2,566	2,631	2,524	2,751	2,633	2,687	2,900	2,730	2,874	2,998
Other <sup>1</sup> . . . . .	16,241	15,915	16,149	15,610	15,732	15,157	16,736	16,809	17,265	17,581	16,583	16,015
Highways and streets . . . . .	27,830	30,566	30,609	31,775	31,616	36,555	34,301	31,557	35,347	35,179	36,929	37,202
Conservation and development . . . . .	1,740	1,794	1,695	1,277	1,728	1,453	1,778	1,487	1,845	1,615	1,696	1,645
Other State and local construction . . . . .	22,890	23,481	20,839	24,723	23,440	23,082	23,133	24,165	21,738	21,052	23,014	24,713
Sewer systems . . . . .	10,243	9,995	9,263	8,670	9,087	9,550	9,405	9,182	8,360	8,314	8,679	9,082
Water supply facilities . . . . .	4,882	4,953	4,280	5,569	5,776	5,445	5,142	5,033	4,686	5,112	5,244	5,455
Miscellaneous nonbuilding <sup>2</sup> . . . . .	7,766	8,533	7,296	10,484	8,577	8,088	8,586	9,950	8,692	7,625	9,090	10,176
<b>Federal construction . . . . .</b>	<b>13,663</b>	<b>14,528</b>	<b>15,958</b>	<b>15,399</b>	<b>12,531</b>	<b>13,359</b>	<b>14,284</b>	<b>13,266</b>	<b>13,909</b>	<b>13,765</b>	<b>13,678</b>	<b>13,566</b>
Total buildings . . . . .	5,432	5,266	6,174	6,438	4,176	4,596	6,010	4,970	5,333	5,782	5,732	6,101
Housing . . . . .	130	233	167	286	234	193	323	142	169	254	312	272
Industrial . . . . .	1,852	1,813	1,937	1,832	1,503	1,370	1,506	1,620	1,594	1,539	1,417	1,973
Educational . . . . .	8	7	20	20	22	24	23	33	29	19	16	13
Hospital . . . . .	906	938	946	1,051	758	1,073	858	1,067	550	1,030	916	539
Other Federal buildings <sup>3</sup> . . . . .	2,537	2,276	3,103	3,249	1,660	1,936	3,300	2,108	2,991	2,940	3,072	3,305
Highways and streets . . . . .	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Military facilities . . . . .	2,437	2,916	2,610	2,567	2,457	2,256	2,393	2,496	2,322	2,192	2,144	2,108
Conservation and development . . . . .	3,880	4,656	5,170	4,298	4,296	4,347	3,832	3,815	3,974	4,248	3,393	3,353
Miscellaneous nonbuilding <sup>4</sup> . . . . .	1,773	1,517	1,801	1,849	1,341	1,851	1,706	1,624	1,870	1,107	1,998	1,573

See footnotes at end of table.

Table 9b. **Monthly Value of New Public Construction Put in Place—Seasonally Adjusted Annual Rate in 1992 Dollars: 1993-1995—Con.**

[Millions of dollars]

Type of construction	1994											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>State and local construction . . . . .</b>	<b>103,836</b>	<b>101,078</b>	<b>104,629</b>	<b>102,891</b>	<b>104,936</b>	<b>106,675</b>	<b>111,024</b>	<b>106,161</b>	<b>107,514</b>	<b>108,875</b>	<b>105,059</b>	<b>107,214</b>
Total buildings . . . . .	44,442	44,611	45,077	43,781	45,503	45,283	44,653	44,617	44,505	47,213	45,641	47,096
Housing and redevelopment . . . . .	4,233	3,878	4,597	4,206	4,698	4,514	4,014	4,165	4,354	4,979	4,445	4,483
Educational . . . . .	22,361	22,239	21,951	21,721	21,997	21,189	21,152	21,037	21,124	23,270	21,872	21,467
Hospital . . . . .	2,893	3,047	3,033	2,781	3,095	2,830	2,919	2,641	2,893	2,665	2,603	3,056
Other <sup>1</sup> . . . . .	14,955	15,446	15,496	15,073	15,712	16,749	16,569	16,774	16,133	16,298	16,722	18,090
Highways and streets . . . . .	35,035	32,780	35,586	35,116	36,750	36,787	39,920	36,378	35,775	36,007	34,499	33,665
Conservation and development . . . . .	1,546	1,894	1,728	1,565	1,577	1,795	2,170	1,695	2,395	1,679	1,846	2,579
Other State and local construction . . . . .	22,813	21,794	22,238	22,429	21,106	22,810	24,281	23,471	24,839	23,976	23,073	23,874
Sewer systems . . . . .	9,227	8,485	9,247	9,469	8,952	9,442	9,767	9,491	10,201	9,298	9,607	10,596
Water supply facilities . . . . .	4,910	4,197	4,624	4,595	4,358	4,598	5,232	4,830	5,694	5,788	4,824	4,891
Miscellaneous nonbuilding <sup>2</sup> . . . . .	8,676	9,112	8,367	8,365	7,795	8,769	9,282	9,150	8,945	8,890	8,642	8,387
<b>Federal construction . . . . .</b>	<b>13,132</b>	<b>14,448</b>	<b>11,944</b>	<b>12,644</b>	<b>12,632</b>	<b>13,510</b>	<b>12,691</b>	<b>12,844</b>	<b>13,081</b>	<b>15,656</b>	<b>14,419</b>	<b>15,868</b>
Total buildings . . . . .	3,595	5,178	4,763	4,567	4,338	5,168	4,258	4,070	4,265	5,605	5,564	5,950
Housing . . . . .	274	273	332	646	303	340	396	389	326	467	363	759
Industrial . . . . .	1,180	1,411	1,629	1,313	1,397	1,284	1,185	1,324	1,400	1,404	1,403	1,357
Educational . . . . .	6	17	14	8	20	31	18	21	44	15	59	34
Hospital . . . . .	810	785	796	581	578	1,094	1,017	678	644	742	946	825
Other Federal buildings <sup>3</sup> . . . . .	1,325	2,693	1,992	2,020	2,041	2,419	1,643	1,658	1,851	2,977	2,793	2,974
Highways and streets . . . . .	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Military facilities . . . . .	2,702	1,877	1,890	1,947	2,093	2,348	2,208	2,302	2,184	2,159	2,078	2,537
Conservation and development . . . . .	3,896	4,566	3,319	4,095	4,039	3,760	3,626	3,669	4,709	5,151	4,147	4,696
Miscellaneous nonbuilding <sup>4</sup> . . . . .	2,570	2,488	1,610	1,677	1,815	1,887	2,271	2,493	1,594	2,430	2,314	2,357

See footnotes at end of table.

Table 9b. **Monthly Value of New Public Construction Put in Place—Seasonally Adjusted Annual Rate in 1992 Dollars: 1993-1995—Con.**

[Millions of dollars]

Type of construction	1995											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>State and local construction . . . . .</b>	<b>106,043</b>	<b>105,059</b>	<b>108,174</b>	<b>112,064</b>	<b>109,241</b>	<b>111,087</b>	<b>108,145</b>	<b>108,309</b>	<b>109,794</b>	<b>112,444</b>	<b>109,801</b>	<b>110,025</b>
Total buildings . . . . .	46,565	46,712	47,556	49,292	48,238	49,761	48,217	46,783	48,940	48,148	47,737	47,590
Housing and redevelopment . . . . .	4,859	4,561	4,696	5,121	4,829	5,108	5,003	4,996	5,054	4,992	4,468	4,983
Educational . . . . .	21,569	22,317	22,730	23,020	22,500	23,205	22,815	22,425	24,044	23,133	23,146	23,376
Hospital . . . . .	2,778	2,856	2,984	3,208	3,026	2,978	3,084	2,602	3,262	2,971	3,054	2,743
Other <sup>1</sup> . . . . .	17,360	16,978	17,147	17,943	17,882	18,470	17,315	16,760	16,580	17,052	17,069	16,489
Highways and streets . . . . .	33,505	31,923	34,853	34,393	34,086	33,939	34,667	35,108	34,396	35,987	34,277	36,075
Conservation and development . . . . .	2,438	2,429	2,598	2,459	2,347	2,174	1,628	1,907	1,483	1,559	1,792	1,954
Other State and local construction . . . . .	23,535	23,996	23,168	25,920	24,571	25,213	23,633	24,511	24,974	26,750	25,995	24,405
Sewer systems . . . . .	9,888	9,628	9,668	9,364	9,636	10,767	9,566	9,585	9,867	10,119	10,309	9,797
Water supply facilities . . . . .	5,521	6,009	4,873	5,061	4,794	5,031	5,417	5,832	5,296	5,679	5,820	5,570
Miscellaneous nonbuilding <sup>2</sup> . . . . .	8,126	8,358	8,628	11,495	10,140	9,416	8,651	9,093	9,812	10,953	9,866	9,038
<b>Federal construction . . . . .</b>	<b>14,538</b>	<b>14,373</b>	<b>14,931</b>	<b>14,181</b>	<b>14,609</b>	<b>13,858</b>	<b>13,834</b>	<b>14,545</b>	<b>14,981</b>	<b>12,271</b>	<b>14,214</b>	<b>13,775</b>
Total buildings . . . . .	5,374	5,708	5,635	5,004	6,242	5,308	4,810	5,437	5,755	4,656	5,607	5,238
Housing . . . . .	258	430	419	285	498	499	490	562	509	695	917	574
Industrial . . . . .	1,464	1,538	1,449	1,408	1,347	1,206	1,274	1,338	1,454	1,252	1,302	1,213
Educational . . . . .	7	33	7	7	49	23	15	23	48	25	2	38
Hospital . . . . .	926	1,018	906	881	1,221	922	777	860	1,001	682	988	973
Other Federal buildings <sup>3</sup> . . . . .	2,720	2,689	2,853	2,423	3,127	2,657	2,254	2,655	2,743	2,002	2,399	2,439
Highways and streets . . . . .	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Military facilities . . . . .	2,595	2,492	2,887	2,666	2,683	2,704	2,845	2,826	2,892	2,054	2,878	2,872
Conservation and development . . . . .	3,757	3,991	4,018	3,641	3,180	3,612	4,174	4,437	4,128	3,158	3,527	3,478
Miscellaneous nonbuilding <sup>4</sup> . . . . .	2,505	1,881	2,083	2,554	2,193	1,914	1,720	1,544	1,898	2,111	1,904	1,862

NA Not available, but estimates are included in total.

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

Table 10a. **Monthly Value of New Public Construction Put in Place—Not Seasonally Adjusted in 1992 Dollars: May 1994-May 1996**

[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 <sup>2</sup>
			Total	Housing and redevelopment	Educational	Hospital	Other buildings <sup>1</sup>					
1994:	May <sup>f</sup> . . . . .	8,903	3,826	396	1,802	253	1,375	3,216	129	719	378	635
	June <sup>f</sup> . . . . .	10,196	4,119	404	1,974	244	1,496	3,838	163	859	422	795
	July <sup>f</sup> . . . . .	10,756	4,131	343	2,149	246	1,393	4,252	200	846	472	855
	August <sup>f</sup> . . . . .	11,527	4,389	350	2,314	226	1,500	4,635	177	921	447	957
	September <sup>f</sup> . . . . .	10,980	4,085	380	2,007	247	1,451	4,278	235	991	515	877
	October <sup>f</sup> . . . . .	10,629	4,050	429	1,964	235	1,422	4,081	167	884	563	883
	November <sup>f</sup> . . . . .	9,025	3,810	390	1,739	227	1,455	3,004	163	861	425	762
	December <sup>f</sup> . . . . .	7,681	3,635	364	1,572	256	1,443	2,042	193	802	382	627
1995:	January <sup>f</sup> . . . . .	6,509	3,347	376	1,483	215	1,273	1,432	153	681	385	511
	February <sup>f</sup> . . . . .	6,322	3,311	344	1,503	222	1,242	1,293	156	639	387	536
	March <sup>f</sup> . . . . .	7,085	3,543	371	1,618	234	1,320	1,699	176	728	353	586
	April <sup>f</sup> . . . . .	8,108	3,832	416	1,700	263	1,453	2,130	183	717	393	853
	May <sup>f</sup> . . . . .	9,388	4,043	404	1,836	250	1,554	3,062	200	800	417	865
	June <sup>f</sup> . . . . .	10,530	4,551	464	2,168	257	1,662	3,507	199	952	457	864
	July <sup>f</sup> . . . . .	10,472	4,442	416	2,316	259	1,452	3,761	149	824	503	793
	August <sup>f</sup> . . . . .	11,697	4,679	436	2,497	217	1,529	4,459	189	928	538	903
	September <sup>f</sup> . . . . .	11,012	4,412	434	2,240	288	1,449	4,056	146	957	472	969
	October <sup>f</sup> . . . . .	11,090	4,235	443	1,987	268	1,536	4,114	154	955	547	1,084
	November <sup>f</sup> . . . . .	9,447	3,976	386	1,856	254	1,481	3,002	156	927	526	861
	December <sup>f</sup> . . . . .	7,712	3,605	399	1,679	232	1,296	2,110	145	750	429	673
1996:	January <sup>f</sup> . . . . .	6,853	3,562	382	1,632	252	1,297	1,530	116	675	335	635
	February <sup>f</sup> . . . . .	6,337	3,243	320	1,551	237	1,134	1,519	127	628	350	471
	March <sup>f</sup> . . . . .	6,879	3,506	314	1,705	240	1,248	1,627	132	690	365	559
	April <sup>f</sup> . . . . .	8,217	3,798	317	1,852	252	1,376	2,234	137	826	487	735
	May <sup>p</sup> . . . . .	9,647	4,248	392	1,955	273	1,627	3,014	137	877	506	865
		Federally owned public construction										
		Total Federal	Buildings					Highways and streets	Military facilities	Conservation and development	Miscellaneous construction <sup>4</sup>	
			Total	Housing	Industrial	Educational	Hospital					Other buildings <sup>3</sup>
1994:	May <sup>f</sup> . . . . .	1,044	353	25	114	2	47	166	(NA)	176	335	150
	June <sup>f</sup> . . . . .	1,176	452	30	112	3	96	212	(NA)	190	331	166
	July <sup>f</sup> . . . . .	1,090	360	33	100	1	86	139	(NA)	194	308	193
	August <sup>f</sup> . . . . .	1,151	341	33	111	2	57	139	(NA)	196	342	233
	September <sup>f</sup> . . . . .	1,590	465	36	153	5	70	202	(NA)	241	631	214
	October <sup>f</sup> . . . . .	1,020	407	34	102	1	54	216	(NA)	142	296	140
	November <sup>f</sup> . . . . .	1,136	428	28	108	5	73	215	(NA)	182	320	179
	December <sup>f</sup> . . . . .	1,289	500	64	114	3	69	250	(NA)	225	363	182
1995:	January <sup>f</sup> . . . . .	1,080	412	20	112	1	71	209	(NA)	202	271	181
	February <sup>f</sup> . . . . .	1,010	419	32	113	2	75	197	(NA)	163	283	133
	March <sup>f</sup> . . . . .	1,270	477	35	123	1	77	241	(NA)	259	342	177
	April <sup>f</sup> . . . . .	1,115	415	24	117	1	73	201	(NA)	204	280	196
	May <sup>f</sup> . . . . .	1,230	521	42	113	4	102	261	(NA)	224	270	186
	June <sup>f</sup> . . . . .	1,227	466	44	106	2	81	233	(NA)	238	320	170
	July <sup>f</sup> . . . . .	1,171	415	42	110	1	67	194	(NA)	231	350	144
	August <sup>f</sup> . . . . .	1,261	445	46	109	2	70	217	(NA)	236	402	140
	September <sup>f</sup> . . . . .	1,786	634	56	160	5	110	302	(NA)	324	542	249
	October <sup>f</sup> . . . . .	807	325	49	87	2	48	140	(NA)	140	184	123
	November <sup>f</sup> . . . . .	1,137	448	73	104	-	79	191	(NA)	238	276	149
	December <sup>f</sup> . . . . .	1,112	423	46	98	3	79	197	(NA)	259	268	143
1996:	January <sup>f</sup> . . . . .	1,066	433	43	93	1	63	233	(NA)	248	228	144
	February <sup>f</sup> . . . . .	1,044	422	38	95	-	98	191	(NA)	238	213	159
	March <sup>f</sup> . . . . .	1,121	445	39	114	1	99	192	(NA)	254	255	154
	April <sup>f</sup> . . . . .	1,047	400	40	107	1	70	181	(NA)	223	232	174
	May <sup>p</sup> . . . . .	1,158	496	55	114	1	120	205	(NA)	228	224	184

- Represent zero or rounds to zero. NA Not available, but estimates are included in totals. <sup>p</sup>Preliminary. <sup>f</sup>Revised.

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

Table 10b. Annual and Monthly Value of New Public Construction Put in Place—Not Seasonally Adjusted in 1992 Dollars: 1993-1995

[Millions of dollars]

Type of construction	1993												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>State and local construction . . .</b>	<b>103,204</b>	<b>5,791</b>	<b>5,892</b>	<b>6,197</b>	<b>7,387</b>	<b>8,429</b>	<b>10,063</b>	<b>10,269</b>	<b>10,989</b>	<b>10,811</b>	<b>10,158</b>	<b>9,261</b>	<b>7,959</b>
Total buildings . . . . .	44,677	2,967	3,007	3,090	3,329	3,574	4,056	4,311	4,624	4,252	4,016	3,866	3,585
Housing and redevelopment . . . . .	4,405	320	340	329	372	371	446	387	353	381	383	371	351
Educational . . . . .	21,294	1,304	1,319	1,314	1,442	1,661	2,002	2,278	2,529	2,083	1,856	1,801	1,705
Hospital . . . . .	2,661	178	175	209	212	202	251	219	228	246	241	250	250
Other <sup>1</sup> . . . . .	16,317	1,165	1,172	1,238	1,303	1,340	1,357	1,427	1,514	1,542	1,535	1,444	1,279
Highways and streets . . . . .	33,869	1,190	1,243	1,495	2,028	2,774	3,786	3,719	3,900	4,277	3,937	3,213	2,307
Conservation and development . . . . .	1,643	109	115	115	100	140	133	164	149	178	162	151	128
Other State and local construction . . . . .	23,015	1,526	1,527	1,497	1,929	1,940	2,087	2,074	2,316	2,104	2,044	2,031	1,939
Sewer systems . . . . .	9,095	701	664	692	671	735	861	812	858	841	796	749	716
Water supply facilities . . . . .	5,143	340	318	311	437	510	486	469	463	427	483	472	428
Miscellaneous nonbuilding <sup>2</sup> . . . . .	8,777	485	545	494	821	695	740	793	996	837	764	811	795
<b>Federal construction . . . . .</b>	<b>14,027</b>	<b>1,032</b>	<b>1,017</b>	<b>1,332</b>	<b>1,280</b>	<b>1,039</b>	<b>1,159</b>	<b>1,248</b>	<b>1,157</b>	<b>1,636</b>	<b>926</b>	<b>1,088</b>	<b>1,110</b>
Total buildings . . . . .	5,490	423	382	515	550	353	394	529	408	574	410	453	499
Housing . . . . .	225	10	17	14	24	20	17	28	12	18	18	25	22
Industrial . . . . .	1,658	144	131	162	157	127	117	133	133	172	109	112	161
Educational . . . . .	20	1	-	2	2	2	2	2	3	3	1	1	1
Hospital . . . . .	875	71	68	79	90	64	92	76	88	59	73	72	44
Other Federal buildings <sup>3</sup> . . . . .	2,713	197	165	259	278	140	166	291	173	322	209	243	270
Highways and streets . . . . .	336	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Military facilities . . . . .	2,405	198	191	228	210	200	193	209	213	234	155	189	185
Conservation and development . . . . .	4,102	278	329	430	353	353	379	327	344	530	248	258	272
Miscellaneous nonbuilding <sup>4</sup> . . . . .	1,693	127	107	150	152	110	161	146	147	249	65	152	128

See footnotes at end of table.



Table 10b. Annual and Monthly Value of New Public Construction Put in Place—Not Seasonally Adjusted in 1992 Dollars: 1993-1995—Con.

[Millions of dollars]

Type of construction	1994												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>State and local construction . . .</b>	<b>106,258</b>	<b>6,233</b>	<b>6,044</b>	<b>6,809</b>	<b>7,477</b>	<b>8,903</b>	<b>10,196</b>	<b>10,756</b>	<b>11,527</b>	<b>10,980</b>	<b>10,629</b>	<b>9,025</b>	<b>7,681</b>
Total buildings . . . . .	45,127	3,117	3,172	3,400	3,393	3,826	4,119	4,131	4,389	4,085	4,050	3,810	3,635
Housing and redevelopment . . . . .	4,382	317	293	375	341	396	404	343	350	380	429	390	364
Educational . . . . .	21,707	1,515	1,507	1,568	1,597	1,802	1,974	2,149	2,314	2,007	1,964	1,739	1,572
Hospital . . . . .	2,863	219	237	243	231	253	244	246	226	247	235	227	256
Other <sup>1</sup> . . . . .	16,175	1,067	1,135	1,214	1,225	1,375	1,496	1,393	1,500	1,451	1,422	1,455	1,443
Highways and streets . . . . .	36,130	1,498	1,330	1,738	2,218	3,216	3,838	4,252	4,635	4,278	4,081	3,004	2,042
Conservation and development . . . . .	1,878	96	122	111	123	129	163	200	177	235	167	163	193
Other State and local construction . . . . .	23,123	1,522	1,419	1,560	1,742	1,732	2,076	2,174	2,325	2,383	2,330	2,048	1,811
Sewer systems . . . . .	9,499	634	564	687	729	719	859	846	921	991	884	861	802
Water supply facilities . . . . .	4,911	349	270	333	355	378	422	472	447	515	563	425	382
Miscellaneous nonbuilding <sup>2</sup> . . . . .	8,713	539	585	540	658	635	795	855	957	877	883	762	627
<b>Federal construction . . . . .</b>	<b>13,488</b>	<b>965</b>	<b>1,016</b>	<b>968</b>	<b>1,044</b>	<b>1,044</b>	<b>1,176</b>	<b>1,090</b>	<b>1,151</b>	<b>1,590</b>	<b>1,020</b>	<b>1,136</b>	<b>1,289</b>
Total buildings . . . . .	4,755	287	378	392	394	353	452	360	341	465	407	428	500
Housing . . . . .	406	22	20	27	56	25	30	33	33	36	34	28	64
Industrial . . . . .	1,358	94	103	134	113	114	112	100	111	153	102	108	114
Educational . . . . .	24	-	1	1	1	2	3	1	2	5	1	5	3
Hospital . . . . .	789	65	57	66	50	47	96	86	57	70	54	73	69
Other Federal buildings <sup>3</sup> . . . . .	2,178	106	197	164	174	166	212	139	139	202	216	215	250
Highways and streets . . . . .	333	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Military facilities . . . . .	2,196	204	123	162	162	176	190	194	196	241	142	182	225
Conservation and development . . . . .	4,124	276	324	267	330	335	331	308	342	631	296	320	363
Miscellaneous nonbuilding <sup>4</sup> . . . . .	2,080	182	176	130	135	150	166	193	233	214	140	179	182

See footnotes at end of table.

Table 10b. Annual and Monthly Value of New Public Construction Put in Place—Not Seasonally Adjusted in 1992 Dollars: 1993-1995—Con.

[Millions of dollars]

Type of construction	1995												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>State and local construction . . .</b>	<b>109,374</b>	<b>6,509</b>	<b>6,322</b>	<b>7,085</b>	<b>8,108</b>	<b>9,388</b>	<b>10,530</b>	<b>10,472</b>	<b>11,697</b>	<b>11,012</b>	<b>11,090</b>	<b>9,447</b>	<b>7,712</b>
Total buildings . . . . .	47,975	3,347	3,311	3,543	3,832	4,043	4,551	4,442	4,679	4,412	4,235	3,976	3,605
Housing and redevelopment . . . . .	4,889	376	344	371	416	404	464	416	436	434	443	386	399
Educational . . . . .	22,881	1,483	1,503	1,618	1,700	1,836	2,168	2,316	2,497	2,240	1,987	1,856	1,679
Hospital . . . . .	2,957	215	222	234	263	250	257	259	217	288	268	254	232
Other <sup>1</sup> . . . . .	17,248	1,273	1,242	1,320	1,453	1,554	1,662	1,452	1,529	1,449	1,536	1,481	1,296
Highways and streets . . . . .	34,626	1,432	1,293	1,699	2,130	3,062	3,507	3,761	4,459	4,056	4,114	3,002	2,110
Conservation and development . . . . .	2,009	153	156	176	183	200	199	149	189	146	154	156	145
Other State and local construction . . . . .	24,764	1,577	1,562	1,667	1,964	2,082	2,272	2,120	2,370	2,398	2,587	2,314	1,851
Sewer systems . . . . .	9,859	681	639	728	717	800	952	824	928	957	955	927	750
Water supply facilities . . . . .	5,407	385	387	353	393	417	457	503	538	472	547	526	429
Miscellaneous nonbuilding <sup>2</sup> . . . . .	9,498	511	536	586	853	865	864	793	903	969	1,084	861	673
<b>Federal construction . . . . .</b>	<b>14,205</b>	<b>1,080</b>	<b>1,010</b>	<b>1,270</b>	<b>1,115</b>	<b>1,230</b>	<b>1,227</b>	<b>1,171</b>	<b>1,261</b>	<b>1,786</b>	<b>807</b>	<b>1,137</b>	<b>1,112</b>
Total buildings . . . . .	5,398	412	419	477	415	521	466	415	445	634	325	448	423
Housing . . . . .	508	20	32	35	24	42	44	42	46	56	49	73	46
Industrial . . . . .	1,351	112	113	123	117	113	106	110	109	160	87	104	98
Educational . . . . .	24	1	2	1	1	4	2	1	2	5	2	-	3
Hospital . . . . .	931	71	75	77	73	102	81	67	70	110	48	79	79
Other Federal buildings <sup>3</sup> . . . . .	2,584	209	197	241	201	261	233	194	217	302	140	191	197
Highways and streets . . . . .	305	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Military facilities . . . . .	2,721	202	163	259	204	224	238	231	236	324	140	238	259
Conservation and development . . . . .	3,789	271	283	342	280	270	320	350	402	542	184	276	268
Miscellaneous nonbuilding <sup>4</sup> . . . . .	1,993	181	133	177	196	186	170	144	140	249	123	149	143

- Represents zero or rounds to zero. NA Not available, but estimates are included in total.

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

## Appendix A.

# Definitions

### NEW CONSTRUCTION

In this publication, new construction includes the following:

1. New buildings and structures.
2. Additions, alterations, conversions, expansions, reconstruction, renovations, rehabilitations, and major replacements (such as the complete replacement of a roof or heating system).
3. Mechanical and electrical installations such as plumbing, heating, electrical work, elevators, escalators, central air-conditioning, and other similar building services.
4. Site preparation and outside construction of fixed structures or facilities such as sidewalks, highways and streets, parking lots, utility connections, outdoor lighting, railroad tracks, airfields, piers, wharves and docks, telephone and telegraph lines, radio and television towers, water supply lines, sewers, water and signal towers, electric light and power distribution and transmission lines, petroleum and gas pipelines, and similar facilities which are built into or fixed to the land.
5. Installation of the following types of equipment: boilers, overhead hoists and cranes, and blast furnaces.
6. Fixed, largely site-fabricated equipment not housed in a building, primarily for petroleum refineries and chemical plants, but also including storage tanks, refrigeration systems, etc.
7. Cost and installation of construction materials placed inside a building and used to support production machinery; for example, concrete platforms, overhead steel girders, and pipes to carry paint, etc. from storage tanks.

The following are excluded from new construction:

1. Maintenance and repairs to existing structures or service facilities.
2. Cost and installation of production machinery and equipment items not specifically covered above, such as heavy industrial machinery, printing presses,

stamping machines, bottling machines, and packaging machines; special purpose equipment designed to prepare the structure for a specific use, such as steam tables in restaurants, pews in churches, lockers in school buildings, beds or X-ray machines in hospitals, and display cases and shelving in stores.

3. Drilling of gas and oil wells, including construction of offshore drilling platforms; digging and shoring of mines (construction of buildings at mine sites is included); work which is an integral part of farming operations such as plowing and planting of crops.
4. Land acquisition.

### VALUE OF NEW CONSTRUCTION PUT IN PLACE

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. Cost of architectural and engineering work.
5. Miscellaneous overhead and office costs chargeable to the project on the owner's books.
6. Interest and taxes paid during construction (except for State and locally owned projects).

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, published estimates represent payments made during a period rather than the value of work actually done during that period. For other categories, estimates are derived by distributing the total construction cost of the project by means of historic construction progress patterns.

## CLASSIFICATION OF CONSTRUCTION

The following descriptions are used in classifying construction projects. Projects are classified as privately owned or government owned (State, local, or Federal government). The distinction is made on the basis of ownership during the construction period.

### Categories of Private Construction

#### Residential Buildings

*New housing units* includes new houses, apartments, condominiums, and townhouses. The classification excludes residential units in buildings which are primarily nonresidential. It also excludes mobile homes and houseboats.

*Improvements* includes remodeling, additions, and major replacements to properties subsequent to completion of original building. It includes construction of additional housing units in existing residential structures, finishing of basements and attics, modernization of kitchens, bathrooms, etc. Also included are improvements outside of residential structures, such as the addition of swimming pools and garages, and replacement of major equipment items such as water heaters, furnaces and central air-conditioners. Maintenance and repair work is not included.

#### Nonresidential Buildings

*Industrial* includes all buildings and structures at manufacturing sites. Office buildings and warehouses owned by industrial companies but not constructed at an industrial site are classified as "office" and "other commercial" respectively.

*Office* includes office and professional buildings used primarily for office space. Office buildings built by public utilities for their own use are included in "public utilities." Office buildings at industrial sites are classified as "industrial"; however, an office building owned by an industrial company and not located at an industrial site is classified as "office."

*Hotels, motels* includes hotels, motels, tourist courts and cabins, and similar facilities.

*Other commercial* includes buildings and structures which are intended for use by wholesale, retail, or service trade establishments. For example, shopping

centers or malls, department stores, low-rise banks and financial institutions, drug stores, parking garages, auto service stations and repair garages, beauty schools, grocery stores, restaurants, and dry cleaning stores are included in this category. Also included are warehouses and storage buildings, cold storage plants, grain elevators and silos, except such facilities at industrial sites.

*Religious* includes houses of worship and other religious buildings. Certain buildings, although owned by religious organizations, are not included in this category. These include educational or charitable institutions, hospitals, and publishing houses.

*Educational* includes schools, universities and other academic buildings, and associated buildings (libraries, cafeteria, dormitories, student unions, etc.). Also included are noncommercial museums, art galleries, and similar establishments. Beauty schools and dance schools are classified as "other commercial."

*Hospital and institutional* includes health care and institutional facilities. Also included are sanatoria, convalescent and rest homes, nursing homes, orphanages, and similar establishments for prolonged care. Surgical or outpatient clinics affiliated with a hospital are also part of this category. Buildings which are used primarily for doctors' offices are classified as "office."

*Miscellaneous nonresidential* includes nonresidential buildings which are not classified in any of the above categories. Motion picture studios, theatres, casinos, health clubs, and buildings which provide amusement and recreational services are included. Also included are radio and television stations, bus and airline terminal buildings, and animal hospitals. Farm buildings and buildings owned by public utility companies for their own use are included in the "farm nonresidential" and "public utility" categories, respectively.

#### Farm Nonresidential

Farm nonresidential construction includes buildings and structures such as barns, storage houses, smokehouses, and fences which are constructed on establishments having annual agricultural sales of \$1,000 or more. Also included are land improvements such as land leveling, terracing, tile drainage, and the construction of dikes, ponds, flood control systems, and roads and lanes.

## Public Utilities

For each of the public utility categories, construction expenditures are classified in terms of the industry rather than the function of the building or structure. Construction expenditures made by the following privately owned public utility companies or cooperatives are included in this category:

Railroad	Petroleum pipelines
Telephone	Electric light and power
Telegraph	Gas (manufacturing, transmission, and distribution)
Television cable	

The estimates include not only the type of construction peculiar to the operation of the utility, but also other types of nonresidential building and nonbuilding construction built by these companies for their own use, such as office buildings.

## All Other Private

All other private construction includes all privately owned nonbuilding projects (other than built for public utility companies) which are not classified elsewhere, such as streets and bridges, parking areas not associated with a building project, dams and reservoirs, sewer and water facilities, parks and playgrounds, and airfields.

## Categories of Public Construction

Public construction is composed of two parts: State and local construction and Federal construction.

### State and local Construction

*Housing and redevelopment* includes houses, apartment buildings, and all other residential structures.

*Educational* includes primary, secondary, college and university level educational buildings and associated buildings (libraries, dining halls, dormitories, student unions, etc.). Also included are buildings which serve an educational purpose, i.e., public libraries, museums, art galleries, planetariums, observatories, arboreta, botanical and zoological gardens, archives, conservatories, etc. This category does not include institutions for the handicapped or teaching hospitals which are classified as "hospitals."

*Hospital* includes health care and institutional facilities such as hospitals, clinics, and infirmaries. Also included are rest homes, nursing homes, sanatoria, psychiatric institutions, schools for the handicapped, orphanages, half-way homes, outpatient clinics, etc.

*Other buildings* includes general administrative buildings; police and fire buildings; courthouses, jails and prisons; bus, streetcar, subway and railroad garages and barns, stations and related buildings; enclosed parking facilities; airport buildings; maritime transport, storage and terminal buildings; electric power generating buildings; amusement-recreational buildings; and other commercial, industrial, and miscellaneous buildings not elsewhere classified.

*Highways and streets* includes highways, streets, bridges, overpasses, tunnels, toll facilities, street lighting, and miscellaneous road construction.

*Conservation and development* includes all construction intended for water resources protection and control such as erosion control systems, fish hatcheries, spillways, levees, seawalls, waterfront bulkheads, jetties, river and harbor development, dredging and drainage, canals, irrigation facilities, docks, piers, wharves, berths, and reservoirs built other than for potable water supply.

*Sewer systems* includes storm drainage and sewerage system lines, interceptors, dry waste disposal plants, nonpotable water treatment plants and pumping stations, tunnels, outfalls, and all other sewer construction.

*Water supply facilities* includes potable water distribution systems and storage facilities such as water lines, aqueducts, water pumping stations, treatment plants, dams, reservoirs, artificial lakes, brooks, ponds, and water wells.

*Miscellaneous nonbuilding* construction includes open amusement and recreational facilities; power generating facilities; and other open construction (subway and streetcar construction, airport runways, open parking facilities, etc.).

### Federal Construction

The value-in-place estimates for Federal construction are classified into nine separate categories defined below. In general, classification is based on the agency responsible for the work; for example, Veterans Administration expenditures are classified as "hospital" and Bureau of Reclamation expenditures are classified as "conservation and development." However, the expenditures reported by a few agencies are subdivided into two or more types of construction.

*Housing* includes new family housing units and the rehabilitation of existing units constructed for the armed services. Military barracks, bachelor officers' quarters and family housing for Coast Guard personnel are classified under "military facilities." Housing for forest rangers and national park employees is classified under "conservation and development."

*Industrial* includes construction done at Department of Energy research and development facilities. It also includes manufacturing, assembling and processing buildings and their related facilities such as arsenals, ordnance works, and shipyards.

*Educational* includes academic and associated buildings, laboratories and science buildings, libraries, art galleries, and museums. Educational facilities built by the Department of Defense for its personnel are included under "military facilities." Federally owned schools on Indian reservations are included in this category.

*Hospital* includes health care and institutional facilities such as veterans' hospitals and clinics.

*Other buildings* includes general office buildings, customs houses, courthouses, jails and prisons, except such buildings owned by the Department of Defense.

*Military facilities*, with the specific exceptions noted below, covers construction owned by the Department of Defense and the Coast Guard. This category includes troop housing, administration and training buildings, warehouses, mess halls, recreation centers, educational facilities, airfields and airport buildings, missile sites, etc. The following specific types of construction owned by

the Department of Defense are classified in the categories indicated in parentheses:

Family housing for the armed services (Residential)  
Civil Works—Construction by Army Corps of Engineers (Conservation and development)  
Department of Defense owned industrial facilities (Industrial)  
Military hospitals (Hospitals)  
Soldiers' Home (Other Federal buildings)

*Highways and streets* includes streets, bridges, vehicular tunnels, viaducts, and forest and park roads owned by Federal agencies other than the Department of Defense. Also included are the following built in connection with a Federal road: culverts, drainage, erosion control, lighting, guard rails, and earthwork protective structures.

*Conservation and development* includes construction work done by agencies which are primarily engaged in the maintenance and supervision of natural resources such as the Army Corps of Engineers, Tennessee Valley Authority, and Bureau of Reclamation.

*Miscellaneous construction* includes Federal airport facilities, fish and wildlife preservation facilities, Veterans Administration cemeteries, etc.



## Appendix B.

# Data Sources, Assumptions, and Methods

### INTRODUCTION

This appendix describes the sample design and estimation procedures used to develop current estimates of value of new construction put in place.

Value-in-place estimates are not published separately for individual series until data for the series are available. Therefore, publication of separate estimates is limited to quarterly data if the series is quarterly, and to annual data if the series is annual; however, projected or interpolated monthly estimates from these series are included in the monthly totals but are not shown separately.

### PRIVATE RESIDENTIAL BUILDINGS

#### New One-Unit Housing

Construction cost of new one-unit houses started each month is estimated using data from the Census Bureau's Housing Starts Survey and Housing Sales Survey. The estimated cost of all single units started is then distributed into monthly value put in place by applying fixed patterns of monthly construction progress. The patterns are shown in table B-1.

Construction cost is estimated separately for units built to be sold or rented and units built by the owner or for the owner on contract. In both cases, the total cost is obtained by multiplying the number of units started by an average construction cost per unit. For units built to be sold or rented, the average construction cost is the average sales price at the time of start multiplied by the factor .7813. This factor eliminates an estimate of the cost of "nonconstruction" items such as raw land, marketing costs, closing costs, and movable appliances. The average construction cost for units built for the owner on contract is the average contract value at time of start increased by the factor 1.0190 to eliminate "nonconstruction" items and add the value of land development not already accounted for.

#### New Two-or-More-Unit Buildings

A subsample of new residential building projects with two units or more is selected from the Census Bureau's Housing Starts Survey (HSS). A description of this survey is provided in Current Construction Reports, C20/96-1 *Housing Starts*, issued March 1996.

Once a project is selected, monthly construction progress reports are requested from the owner until the project is completed. About 2,000 projects are in the

survey each month. This includes newly selected projects as well as projects carried over from the previous months. Estimates of value put in place are obtained by multiplying the final weight of each project by the reported value and summing all projects. The final weight can be expressed as follows:

**Final weight** = (basic weight) x (unit adjustment factor)  
x (adjustment factor for architectural, engineering, and miscellaneous costs).

- a. **Basic weight.** The basic weight is the reciprocal of the probability of selection. Since the projects in the Two Plus Survey are a subsample of the HSS sample, the basic weight includes the reciprocal of the sampling rate used in HSS.
- b. **Unit adjustment factor.** The unit adjustment factor is the ratio of the unbiased estimate obtained from the Census Bureau's Building Permits Survey of the number of 2+ units authorized in a month to the unbiased estimate from the Two Plus Survey of the number of 2+ units authorized in a month.
- c. **Adjustment for architectural, engineering, and miscellaneous costs.** The value put in place for the construction of a project includes the total construction cost and fees for architectural and engineering services and miscellaneous costs. However, monthly reports from sample projects do not include architectural, engineering, and miscellaneous costs. Each month's reported value is inflated to account for these costs so that the sum of the values put in place each month is the total cost of the project. This adjustment factor is defined as the ratio of the total estimated value of the project reported by the owner (construction cost and architectural, engineering, and miscellaneous costs) to the estimated construction cost of the project reported by the owner.

#### Improvements

Data for this series are obtained by the Census Bureau from household interviews in a representative sample of owner-occupied units and a mail survey of owners of a sample of rental or vacant properties. Prior to 1985, these data were collected as part of the Bureau's Quarterly Household Survey of Residential Alterations and Repairs. Beginning with January 1984 statistics, estimates of expenditures on owner-occupied

properties are based on data from the Consumer Expenditure Surveys (CES) conducted by the Bureau of the Census for the Department of Labor's Bureau of Labor Statistics. A detailed description of this survey and the mail survey and a comparison of the old and new series for 1984 appear in Construction Reports, C50-85-Q1, *Residential Alterations and Repairs*, issued in October 1985. The CES was designed to provide the Bureau of Labor Statistics with a database for purposes relating to the Consumer Price Index. This survey was not designed to provide monthly estimates of residential improvements. As a result, these estimates have high variances and are not shown separately in the tables of monthly estimates.

Data from owner-occupied units are collected through a rotating panel survey design. There are three panels: one panel is interviewed during the first month of a quarter, another panel during the second month and a third panel during the last month. Each panel reports on improvements done since the previous interview three months ago; thus, an expenditure may be reported in the month of interview, the month before, 2 months before or 3 months before, but after the previous interview. Data collection for expenditures in a month will not be completed until 3 months after the month and an estimate based on all of the data will not be available until approximately 5 months after the month.

Data from the mail survey of owners of a sample of rental or vacant properties are collected after the end of each quarter. The expenditures are not reported for each month of the quarter but only for the entire quarter. For this report, monthly estimates need to be made by apportioning the quarterly expenditures to the months in the quarter. The quarterly estimate is available 4 months after the end of the quarter and accounts for about 24 percent of the estimate.

The estimates of total residential improvements are usually forecasted data at least one or 2 months in advance. The revised estimates are still based on incomplete data and in many cases are still forecasts. Estimates based on complete data are first used in the May publication for revisions to the previous year. The total improvements estimates are subject to substantial revisions from the preliminary estimates based on forecasts to the final estimates based on complete data. The final estimates have relative standard errors approximating 15 percent. For estimates beginning in 1982, time series techniques have been used to remove the sampling variation.

### PRIVATE NONRESIDENTIAL BUILDINGS

The Bureau of the Census conducts a monthly Construction Progress Reporting Survey for estimating the value of private nonresidential building construction in the United States. This survey uses three sources of information for identifying nonresidential building projects:

1. Data from the F.W. Dodge Division of the McGraw-Hill Information Systems Company on projects valued at \$50,000 or more in the United States except Hawaii.
2. Building permit notifications for a sample of projects in the permit-issuing places of Honolulu, Maui, Kauai and Hawaii county in Hawaii.
3. Projects in a sample of areas not covered by building permit systems or reported by Dodge.

Projects from sources 1 and 2 are stratified by type of construction and construction value. Sixty-six strata are created and each stratum is assigned a specific sampling rate. Prior to sample selection, all projects with the same sampling rate are grouped together, and an independent systematic sample of projects is selected each month. Projects from source 3 (nonpermit areas) are selected with virtual certainty. Once a project is selected, monthly construction progress reports are requested from the owner until the project is completed. About 4,400 projects are in the survey at any one time.

Estimates of value put in place are obtained by multiplying the final weight of each project by the monthly reported value and summing all projects. The final weight can be expressed as the product of the following:

**Final weight**=(basic weight) x (adjustment factor for architectural, engineering, and miscellaneous costs)

- a. **Basic weight.** The basic weight varies with each source and project.
  1. For projects from sources 1 and 2, the basic weight is the reciprocal of the probability of selecting a project.
  2. For projects from source 3, the basic weight is the reciprocal of the probability of selecting a nonpermit segment.
- b. **Adjustment for architectural, engineering, and miscellaneous costs.** This adjustment factor is computed in the same manner as in the Two Plus Survey (see above).

Imputations are made for projects which have not reported at the time of the monthly tabulation, based on estimated total construction value and month of start of the project. Weighted data are summed over all sample projects by type of construction. The results are increased by 28 percent to account for undercoverage of construction projects not reported by F.W. Dodge. The adjustment for undercoverage results from comparison studies of Dodge reports with building permits for a sample of projects for which permits were issued.



The industrial buildings category is further adjusted by benchmarking the tabulated estimates to the latest detailed structures data from the Census Bureau's Annual Capital Expenditures Survey (ACES). The 1992 and 1994 levels for industrial buildings are based upon actual ACES data. Estimates for other years are extrapolations from the 1992 and 1994 levels.

### FARM NONRESIDENTIAL CONSTRUCTION

Value-in-place estimates for new farm nonresidential construction are extrapolated from the annual U.S. Department of Agriculture (USDA) report, *Income and Balance Sheet Statistics*. Monthly or quarterly estimates are not available.

To estimate monthly values, including projections for the current and following year, the USDA data are developed using the trend of the "all other private" construction put-in-place estimates.

### PUBLIC UTILITIES

Value-in-place estimates for the telephone component of telecommunications construction are based on reports of actual monthly construction progress. For the TV cable component of telecommunications, electric light and power, gas, railroad, and petroleum pipeline categories, construction put in place estimates are based on annual capital expenditure reports compiled by Federal regulatory agencies and private organizations.

Pending availability of annual data, monthly estimates for railroads are obtained by distributing Surface Transportation Board quarterly construction expenditures estimates into monthly values. Preliminary monthly estimates for electric and gas construction are based on annual forecasts from the Edison Electric Institute and the American Gas Association; and petroleum pipeline estimates are projections from the latest final year of Federal Energy Regulatory Commission data. Monthly estimates are published only for telecommunications; however, estimates for other public utilities are included in the appropriate totals.

### ALL OTHER PRIVATE CONSTRUCTION

Monthly value put in place estimates for this series are based on the monthly series of value of contracts awarded for such projects in the United States compiled by F.W. Dodge. The value reported by Dodge is increased to allow for 1) architectural, engineering, and miscellaneous construction costs, and 2) projects not covered by the Dodge statistics.

The assumption is made that the value of contracts awarded during one month represents the value of work started in the following month. The value of starts is

distributed over succeeding months in accordance with fixed progress patterns that are intended to represent the monthly rate at which work started in a given month is put in place.

### PUBLIC CONSTRUCTION

Public construction is composed of two parts: State and local construction and Federal construction.

#### State and Local

The information for creating the sampling frame for the State and local survey is obtained from the same F.W. Dodge data used for private nonresidential buildings (see above).

The projects are stratified by type of construction and value according to the information from Dodge. Seventy-two strata are created and a sampling rate is assigned to each stratum. Prior to sample selection, all projects with the same sampling rate are grouped together and an independent systematic sample is selected each month. Once a project is selected it remains in the sample until completion of the project, and monthly construction progress reports are requested from the appropriate agency in charge of the project or its designated agent, such as the builder or architect responsible for the project. The average number of projects in the survey at any one time is about 8,300. These include newly selected projects as well as projects carried over from previous months.

Tabulation of data is the same as for private nonresidential buildings. The results are increased by 5 percent to account for construction projects not reported by F.W. Dodge. This adjustment results from a comparison study of Dodge reports with State and local agency reports for a sample of projects for which contracts were awarded or force account work started.

All data are further adjusted by benchmarking the tabulated estimates to annual construction expenditures data collected in the Census Bureau's Annual Survey of Government Finances.

#### Federal

Monthly value put in place estimates for Federally owned construction are based on monthly data which, with few exceptions, are supplied to the Census Bureau by each Federal agency involved in construction activities. Information is obtained from Federal budget documents for a small number of agencies where information cannot be directly supplied. These budget totals are prorated over the fiscal year to derive monthly estimates.

**Table B-1. Monthly Progress Patterns for Private One-Unit Residential Buildings by Month of Start**

[Percent of the value of units started monthly]

Month of activity <sup>1</sup>	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1st .....	15.8	15.8	15.8	15.8	15.9	16.9	16.9	16.9	16.9	16.9	16.9	15.8
2nd .....	21.7	23.2	22.5	22.5	22.9	23.8	23.8	23.8	23.8	23.8	21.7	21.7
3rd .....	21.0	20.1	20.8	20.8	20.8	20.8	20.8	20.8	20.8	18.3	18.3	18.3
4th .....	16.3	16.0	16.0	16.0	16.0	16.0	16.0	16.0	13.7	13.7	13.7	16.8
5th .....	10.6	10.3	10.3	10.3	10.3	9.5	9.5	8.8	8.8	8.8	11.7	11.7
6th .....	6.1	6.1	6.1	6.1	6.1	5.8	5.8	5.1	5.1	7.4	7.6	6.7
7th .....	3.5	3.5	3.5	3.5	3.5	2.7	2.7	2.7	4.3	4.8	4.3	4.0
8th .....	2.0	2.0	2.0	2.0	1.5	1.5	1.5	2.5	2.8	3.3	2.8	2.0
9th .....	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.6	2.0	1.2	1.2	1.2
10th .....	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
11th .....	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
12th .....	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

<sup>1</sup>Month of start is first month of activity.

## Appendix C.

### 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 73 percent of total new construction in 1995 (private multi-family 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 55 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 table C-1. 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 \$10.0 billion in a particular month. According to table C-1, the relative standard error of this estimate is 2 percent. Multiplying \$10.0 billion by .02, we obtain \$200 million as the standard error. To obtain a 90-percent confidence interval, multiply \$200 million by 1.6 and add and subtract the result from \$10.0 billion, yielding limits of \$9.68 billion and \$10.32 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.

Table C-1 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, 43 percent; State and locally owned public construction, 26 percent; private residential construction of 2 units or more, 40 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 1993. (Outlays are included if a government agency's fiscal year ending

date falls within July 1992 to June 1993 inclusive, and for three State agencies with fiscal years ending in August or September 1993.) As a result, the adjustment to the construction outlay levels of this survey must be projected ahead for four years from 1993 through April 1997. 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% 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 -1.7 percent to 0.6 percent with a median of -0.3 percent (see table C-2). The range of the difference between first revision and second revision was from -0.6 to 0.7 percent, with a median of -0.2 percent.

Table C-1. 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)
<b>Total new construction.....</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>.03</b>	<b>.02</b>
Private construction.....	3	2	1	.04	.03
Residential buildings.....	5	3	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	1	1	.02	.01
Industrial.....	3	2	2	.04	.03
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	5	5	.10	.07
Hospital and institutional.....	6	5	5	.07	.07
Miscellaneous buildings.....	7	5	4	.09	.07
Public construction.....	2	1	1	.03	.01
Housing and redevelopment.....	8	5	4	.11	.07
Industrial.....	(NA)	(NA)	(NA)	(NA)	(NA)
Educational.....	3	2	2	.04	.03
Hospital.....	6	5	4	.08	.07
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	2	2	.04	.03
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	10	9	.23	.14
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.

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.

Table C-2. Analysis of Revisions to Monthly Seasonally Adjusted Annual Rate Estimates in Current Dollars

Type of construction	Percent changes between estimates - last 12 months					
	Preliminary versus second revision			First revision versus second revision		
	Range		Median	Range		Median
	From	To		From	To	
<b>Total new construction .....</b>	<b>-1.7</b>	<b>0.6</b>	<b>-0.3</b>	<b>-0.6</b>	<b>0.7</b>	<b>-0.2</b>
Private construction .....	-2.3	1.1	-0.3	-1.3	1.1	0.0
Residential buildings .....	-3.9	1.1	0.2	-2.3	1.8	0.0
New housing units .....	-0.6	1.1	0.1	-0.4	0.5	0.0
1 unit .....	-0.5	1.6	0.3	-0.6	0.6	0.1
2 units or more .....	-6.0	1.7	-2.4	-0.5	1.1	0.0
Nonresidential buildings .....	-3.3	3.2	-1.0	-1.6	0.6	0.0
Industrial .....	-6.3	4.6	-0.8	-2.0	1.2	0.0
Office .....	-6.4	2.8	0.0	-0.6	2.1	0.0
Hotel, motel .....	-13.5	2.8	-0.7	-1.9	0.0	0.0
Other commercial .....	-5.3	8.0	-0.6	-2.1	2.0	0.0
Religious .....	-5.4	5.3	0.0	-2.8	0.0	0.0
Educational .....	-6.0	6.4	0.0	-4.0	2.0	0.0
Hospital and institutional .....	-5.0	2.2	-1.0	-3.0	1.1	0.0
Miscellaneous buildings .....	-7.5	12.7	0.0	-1.9	2.0	0.0
Telecommunications .....	-8.5	17.9	-0.9	-1.8	6.9	0.0
All other private .....	-3.2	0.0	0.0	-3.2	0.0	0.0
Public construction .....	-5.4	5.7	0.1	-0.5	2.9	0.0
Housing and redevelopment .....	-2.2	4.2	2.0	-2.2	4.2	0.0
Industrial .....	-17.6	41.7	0.0	0.0	6.7	0.0
Educational .....	-5.0	4.4	0.6	-0.7	5.2	0.0
Hospital .....	-6.3	4.9	0.0	-2.3	7.1	0.0
Other public buildings .....	-6.4	5.0	0.5	-1.4	1.4	0.0
Highways and streets .....	-3.5	2.1	-0.4	-1.2	0.2	-0.2
Military facilities .....	-11.1	36.4	0.0	-3.0	36.4	0.0
Conservation and development .....	-12.3	30.0	-3.2	-5.1	21.4	0.0
Sewer systems .....	-5.1	12.6	1.8	0.0	6.4	0.0
Water supply facilities .....	-3.9	10.9	0.7	0.0	3.2	0.0
Miscellaneous public .....	-10.0	17.9	-2.8	-2.5	11.9	-0.3



## Appendix D.

# Adjustments for Seasonal Variations and Cost Changes

### ADJUSTMENT FOR SEASONAL VARIATIONS

Seasonally adjusted estimates result by removing normal seasonal movement from the unadjusted data to bring out underlying trends and business cycles. Seasonal adjustment accounts for month-to-month variations resulting from normal or average changes in any phenomena affecting the data such as weather conditions, the differing lengths of months, and the varying number of weekdays and weekends within each month. It neither adjusts for abnormal conditions within each month nor for year-to-year variations in weather. For example, suppose the normal month-to-month change in an unadjusted series between February and March is 20 percent. Then an increase in the unadjusted series of less than 20 percent will be seen as a decrease in the seasonally adjusted series; an increase of exactly 20 percent will result in no change in the adjusted series; and an increase of more than 20 percent will be shown as an increase in the adjusted series.

An assumption underlying the seasonal adjustment process is that the original series can be separated into a seasonal component, a trend-cycle component, a trading day component, and an irregular component. The seasonally adjusted series consists of the trend-cycle and the irregular components taken together. The trend-cycle component includes the long-term and business cycle. The irregular component is made up of residual variations such as the sudden impact of political events, the effects of strikes, unusual weather conditions, reporting errors, and sampling errors. The trading-day component represents the effect due to the varying number of weekdays and weekends in each month. The seasonally adjusted monthly rate is found by dividing the unadjusted monthly estimate by its seasonal component and trading day components.

The seasonally adjusted annual rate is the seasonally adjusted monthly rate multiplied by 12. It is neither a forecast nor a projection. Rather it is a description of the annual rate at which new construction is put in place in that particular month. Changes in the seasonally adjusted estimates may indicate changes in the trend or rate of construction put in place, but changes in the unadjusted estimates may be strictly due to seasonal variation. Seasonally adjusted annual rates facilitate comparisons with previous annual data as well as with the seasonally adjusted annual rates for prior months.

To obtain seasonally adjusted estimates or seasonal factors the unadjusted data are run through X-12-ARIMA, an enhanced version of the X-11 variant of the Census Method II seasonal adjustment program. A description of the X-12-ARIMA program appears in the "New Capabilities and Methods of the X-12-ARIMA Seasonal Adjustment Program" by David F. Findley et al. of the U.S. Bureau of the Census. Table D-1 provides a description of the components found in seasonally adjusted series. Further information on the X-12-ARIMA may be obtained from the Associate Director for Statistical Design, Methodology, and Standards, Bureau of the Census, Washington, DC 20233.

Each monthly series is run through the X-12-ARIMA program every month as new data become available. This procedure, known as concurrent seasonal adjustment, utilizes the current month estimate to calculate that month's seasonal adjustment factor. Several studies indicate that use of the most current data to estimate seasonal factors is generally effective; the seasonal factors are subject to less revision. Table D-2 shows the past eleven months and the year ago seasonal factors.

As the unadjusted data are revised, so are the seasonal factors. Thus, changes in seasonally adjusted estimates will not only reflect changes in the unadjusted data, but also changes to the seasonal factors. In addition, the seasonally adjusted data are revised back for 3 years each year with the release of May data.

### ADJUSTMENT FOR COST CHANGES

The monthly value-in-place estimates in current dollars are converted to a constant 1992 dollar series using cost indexes derived for each category of construction. The deflators for the various categories are related indexes or combinations of related indexes from private companies and Federal agencies. The selection of the indexes and procedures used for developing the deflators for each category resulted primarily from recommendations made jointly by the Bureau of Economic Analysis and the Bureau of the Census.<sup>1</sup>

The index or combinations of indexes which apply to the individual categories of construction are shown in table D-3. These indexes are indicated in the column headed "Applicable deflating index."

<sup>1</sup>A description of the deflators and their development appears in Part 1 of the August 1974 issue of the *Survey of Current Business*, U.S. Department of Commerce.

Since most of the indexes were originally compiled for different base years, all indexes were converted to the 1992 dollar base (1992=100).

Indexes which are available quarterly or semiannually are linked with a “monthly trend index” shown in table D-3. The results are monthly indexes which have the movement of the monthly trend index and the level of the quarterly or semiannual index.

Table D-4 shows the indexes used to deflate value put in place. The source and description of each index follow:

**Bureau of the Census Composite Fixed-Weighted Price Index** (Source: Bureau of the Census, U.S. Department of Commerce, Washington, DC)

The composite index is a weighted average of the individual price index series used to deflate the value-in-place series. In calculating the index each month, the weights (the composition of current dollar value-in-place in 1992 by category of construction) are held constant. Consequently, the index reflects only changes in prices. The composite index is calculated using the Bureau of the Census Single-Family Houses Under Construction Fixed-Weighted Price Index.

The annual index is an average of the monthly indexes. Monthly and annual indexes are shown in table D-5.

**Bureau of the Census Implicit Price Deflator** (Source: Bureau of the Census, U.S. Department of Commerce, Washington, DC)

The implicit price deflator is a derived ratio of total current to constant dollar value put in place (multiplied by 100). It is the average of the individual price indexes used in the deflation of value put in place, but the indexes are weighted by the changing composition of value put in place each month. Consequently, the implicit price deflator reflects not only changes in prices, but also changes in the composition of value put in place, and its use as a measure of price change is discouraged. Monthly and annual deflators are shown in table D-6.

**Engineering News-Record Indexes** (Source: *Engineering News-Record*, McGraw-Hill Publishing Company, New York, NY)

*Engineering News-Record* (ENR) compiles monthly national cost indexes with 1913 and 1967 as the base periods for total construction and for buildings.

Both the construction index and the building index have four components—three materials items plus labor. The materials items for both indexes are as follows: 1) the base price of structural steel shapes, which is a three-mill average for Pittsburgh, PA; Gary, IN; and Birmingham, AL; 2) consumers’ net price of cement, which is a 20-city average of f.o.b. bulk prices; 3) lumber, which is 2” x 4” S4S pine and fir in carload lots (ENR

20-city average). The labor component of the construction cost index, which is designed to show the movement of construction cost in general, is the common labor rate (ENR 20-city average), while the labor component of the building cost index is the skilled labor rate (ENR 20-city average).

The component series are weighted according to their relative importance as determined by the compilers. As a step in arriving at the weights, the average production of steel and cement in the years 1913, 1916, and 1919; average production of lumber for 1913 and 1916; and the number of common industrial laborers according to the 1919 Census were placed on a dollar-value basis using 1913 average prices as compiled by ENR wherever possible.

A complete description of the quantities and unit prices or labor rates used in developing the weights for the materials and labor components of both indexes is published in *Business Statistics*, 1963 Edition, a supplement to the *Survey of Current Business*, published by the Office of Business Economics (now the Bureau of Economic Analysis), U.S. Department of Commerce.

Annual indexes are averages of the monthly indexes.

**Federal Highway Administration Composite Index** (Source: Federal Highway Administration, U.S. Department of Transportation, Washington, DC)

The composite index is compiled quarterly with 1987 as the base period. The index is derived from average unit bid prices for fixed amounts of the following items put in place: common excavation, surfacing (portland cement concrete and bituminous concrete), and structures (reinforcing steel, structural steel, and structural concrete).

To eliminate erratic quarter-to-quarter movement in the Federal Highway Administration composite index, the quarterly index is adjusted with the application of 12-quarter phasing patterns based upon highway construction activity.

The annual index is a weighted average of the indicator items for the composite index.

**Bureau of the Census Single-Family Houses Under Construction Fixed-Weighted Price Index** (Source: Bureau of the Census, U.S. Department of Commerce, Washington, DC)

This price index is designed to measure changes over time in the price of new single-family houses under construction each month and year. It is calculated using the “hedonic” or regression methodology whereby physical characteristics of new houses are regressed against house values to obtain “prices” of those characteristics. These prices can then be used in an index calculation such that “quality” of new houses is kept constant and inflation measured.



The index is based on the Laspeyres index methodology which compares the current period construction value of the kinds of houses built in the base year (1992) to the actual houses built in 1992. In effect, a fixed market basket of goods is repriced each time period, and the index reflects only changes in prices.

The price index is computed from information on the physical characteristics and transaction prices obtained from the Census Bureau's Housing Starts and Sales Surveys. The annual index is computed independently of the monthly indexes, and may not equal the average of the monthly indexes.

Detailed information on the methodology used to calculate this index is available upon request.

**Bureau of the Census Single-Family Houses Under Construction Price Deflator** (Source: Bureau of the Census, U.S. Department of Commerce, Washington, DC)

The index is calculated based on the same data and regression analysis described above under the Bureau of the Census Single-Family Houses Under Construction Fixed-Weighted Price Index. In the calculation of the deflator index series, however, the Fisher ideal chain-type annual-weighted index methodology is employed in place of the Laspeyres.

Fisher ideal chain-type annual-weighted indexes are computed by multiplying annual components together, called index relatives. The index relative is the geometric mean of a Laspeyres index and a Paasche index. The Laspeyres index compares the current year construction value of the houses built in the previous year to the actual value of the previous year's construction value of these same houses.

For years following the base year, the index is computed by multiplying the relatives. For years prior to the base year, the index is found by dividing the relatives.

Monthly Fisher ideal indexes are derived by distributing the annual indexes into monthly indexes based on a month-to-month change in the Single-Family Houses Under Construction Paasche Index.

Because the chain-type Fisher ideal index addresses the substitution effects which can bias the more traditional index measures, this index is the preferred index for use as a price deflator.

**Bureau of Reclamation Composite Index** (Source: Bureau of Reclamation, U.S. Department of Interior, Denver, CO)

The index is compiled quarterly with 1977 as the base period. The Bureau of Reclamation composite index for dams and reclamation projects reflects the Bureau of Reclamation's cost of constructing these projects in 11 Western States. The index is a weighted average of costs of labor, materials, and equipment furnished by contractors and the Government. To the greatest extent

possible, labor and materials costs are based on unit bid prices from contracts let by the Bureau of Reclamation. About 40 percent of the composite index is based on bid prices. These data are supplemented by components of the Federal Highway Administration index, Bureau of Labor Statistics wholesale indexes, quotations of wage rates published in *Engineering News-Record* and judgment of Bureau of Reclamation analysts.

For 11 categories of reclamation work listed below, basic cost components have been defined and relative weights for each of these components derived from contracts awarded during the period 1930-46. This is a fixed weight index with weights determined within each category for labor, materials, and equipment furnished by contractors and the Government.

The major categories of work which make up the composite index are—dams, pumping plants, steel penstocks and discharge pipes, canals and conduits, laterals and drains, hydroelectric power plants, concrete pipelines, switchyards and substations, transmission lines, general property (buildings), and roads and bridges.

The Census Bureau computes an annual index by averaging the quarterly indexes.

**Turner Construction Company Index** (Source: Turner Construction Company, New York, NY)

This index is compiled quarterly with 1967 as the base period. The index is a price index for national building construction costs and is derived from the firm's current cost experience with respect to the following factors considered on a nationwide basis: labor rates and productivity, material prices, subcontractor prices, and the competitive condition of the market place.

The annual index is an average of the quarterly indexes.

**Handy-Whitman Indexes** (Source: Computed by Bureau of the Census from data compiled by Whitman, Requardt and Associates, Baltimore, MD)

Whitman, Requardt and Associates compile semi-annual (January and July) cost indexes for various elements for four types of construction—utility buildings, electric light and power plants, gas plants, and water—within six geographical regions. The base period for the utility indexes is 1973. The Census Bureau computes semi-annual national average indexes for the types of construction as follows:

*Utility Buildings.* The national average is a simple average of indexes for reinforced concrete buildings and brick buildings in each of the six regions.

*Electric Light and Power Plants.* The national average is a simple average of indexes for total construction and equipment for steam operated electric plants in each of the six regions.

*Gas.* The national average is a simple average of indexes for total gas plant in each of the six regions.

*Water.* The national average is a simple average of indexes for structures and improvements at water facilities in each of the six regions.

Each of the original source indexes is based on prices for materials, labor costs, and prices of mechanical and electrical equipment. Prices of basic materials such as cement, sand, stone, cast iron pipe, wire, and the like are obtained from standard publications such as *Engineering News-Record* and checked against prices actually being paid for such materials. Labor cost trends are computed from labor rates obtained from sources such as the Construction Labor Research Council. Mechanical and electrical equipment prices and trends are obtained from nationally known manufacturers and operating utilities.

**C.A. Turner Telephone Plant Index** (Source: Computed by Bureau of the Census from data compiled by AUS Consultants Inc., Harrisburg, PA)

AUS Consultants developed an independent telephone plant index in 1977. This index had been published since then through affiliation with Whitman, Reardon and Associates as the Handy-Whitman Index of Public Utility Construction Cost for the telephone industry. As of January 1, 1990, Handy-Whitman no longer publishes the index which is now available only through C.A. Turner, the publications division of AUS Consultants.

The telephone plant index numbers cover each major FCC plant account and are published with 1973 as the base period at January 1 and July 1 price levels each year. Data from many operating companies and suppliers related to construction methods, plant investment, and component costs are analyzed and summarized as a basis for preparing the index.

The Census Bureau computes a semiannual national index by averaging the weighted component indexes published for the six geographic regions.

Table D-1. **Average Percentage Changes and Related Measures of Variability for the Value of New Construction Put in Place**

Type of construction	Average percentage change				$\overline{I/C}$	MCD
	$\overline{O}$	$\overline{CI}$	$\overline{I}$	$\overline{C}$		
<b>Total new construction .....</b>	<b>6.11</b>	<b>1.26</b>	<b>1.04</b>	<b>0.64</b>	<b>1.62</b>	<b>2</b>
Private construction.....	5.02	1.36	1.05	0.73	1.44	2
Residential buildings.....	6.74	1.70	0.89	1.24	0.72	1
Nonresidential buildings.....	4.18	2.18	1.88	0.92	2.04	3
Public construction.....	9.57	2.24	2.09	0.70	2.99	4
Buildings.....	5.45	2.75	2.57	0.90	2.86	3
Military facilities.....	16.66	7.67	9.89	1.82	5.43	6
Highways.....	20.00	4.03	3.91	1.12	3.49	4
Conservation and development.....	15.15	8.12	8.05	1.71	4.71	6
All other public.....	8.49	4.75	4.52	1.11	4.07	5

### DEFINITIONS OF SUMMARY MEASURES

Summary measures of the seasonal, cyclical, and irregular components of the construction value in place series provide a rough guide for use in interpreting current percentage changes in the seasonally adjusted data. Detailed explanations of the basic method and definitions of the measures used appear in *Electronic Computers and Business Indicators*, Occasional Paper 57, National Bureau of Economic Research, New York, 1957.

The following are brief descriptions of the measures shown in table D-1:

- $\overline{O}$  is the average month-to-month percentage change (without regard to sign) in the original series before seasonal adjustment.
- $\overline{CI}$  is the average month-to-month percentage change (without regard to sign) in the seasonally adjusted figures.
- $\overline{I}$  is the average month-to-month percentage change (without regard to sign) for the irregular component. The irregular component is obtained by dividing the cyclical component into the seasonally adjusted series.
- $\overline{C}$  is the average month-to-month percentage change (without regard to sign) for the cyclical component, which is a smooth, flexible moving average.
- $\overline{I/C}$  is the average month-to-month percentage change (without regard to sign) of the irregular component divided by the average month-to-month percentage change (without regard to sign) of the cyclical component. It serves as an indication of the series' relative smoothness (small values) or irregularity (large values).
- MCD (months of cyclical dominance) gives an estimate of the appropriate time span over which to observe cyclical movements in a monthly series. In deriving MCD, the average percentage changes (without regard to sign) in the irregular and in the cyclical component are computed for 1-month spans (Jan.-Feb., Feb.-Mar., etc.), 2-month spans (Jan.-Mar., Feb. -Apr., etc.), up to 5-month spans. MCD is the shortest span for which the average percentage change (without regard to sign) in the cyclical component is larger than the average percentage change (without regard to sign) in the irregular component; thus, it indicates the point at which fluctuations begin to be more attributable to cyclical than to irregular movements. Since changes are not computed for spans greater than 5 months, all series with an MCD greater than '5' are shown as '6'. MCD is small for smooth series and large for erratic series.

Table D-2. **Factors Used to Seasonally Adjust Estimates of the Value of New Construction Put in Place**

[Percent]

Type of construction	May 1996 <sup>P</sup>	Apr. 1996 <sup>r</sup>	Mar. 1996 <sup>r</sup>	Feb. 1996 <sup>r</sup>	Jan. 1996 <sup>r</sup>	Dec. 1995 <sup>r</sup>	Nov. 1995 <sup>r</sup>	Oct. 1995 <sup>r</sup>	Sep. 1995 <sup>r</sup>	Aug. 1995 <sup>r</sup>	July 1995 <sup>r</sup>	May 1995 <sup>r</sup>
<b>PRIVATE CONSTRUCTION</b>												
Residential buildings:												
New housing units:												
1 unit .....	101.8	94.7	90.1	78.8	82.1	90.1	107.5	111.8	113.8	114.0	111.4	100.9
2 units or more .....	103.6	95.6	92.4	88.6	86.4	95.3	101.4	106.1	105.3	112.1	107.9	104.1
Nonresidential buildings:												
Industrial .....	102.5	97.2	96.3	93.2	89.5	104.0	101.0	105.9	104.8	102.8	101.2	102.6
Office .....	107.0	102.0	97.1	95.6	92.0	95.5	100.5	102.2	102.9	104.0	98.0	106.7
Hotels, motels .....	107.1	106.2	99.3	99.7	91.1	95.1	98.5	103.4	99.6	103.5	101.3	105.9
Other commercial .....	101.9	94.2	88.9	85.3	83.3	95.1	105.2	112.8	115.2	111.4	106.0	101.3
Religious .....	97.6	97.5	87.7	89.0	89.2	95.8	109.3	115.8	112.7	111.7	99.7	99.4
Educational .....	104.2	94.5	86.8	86.2	81.8	84.2	96.8	101.0	105.9	122.8	120.9	103.4
Hospital and institutional .....	100.0	100.8	96.5	96.8	95.5	97.4	103.1	105.9	102.4	102.6	97.7	101.6
Miscellaneous nonresidential .....	99.0	104.9	96.2	90.3	85.6	95.1	105.1	112.0	105.6	108.1	101.2	99.8
Telecommunications .....	101.1	98.1	92.7	86.5	82.9	100.4	108.5	108.7	102.5	114.2	98.3	103.2
All other private .....	103.5	93.9	88.9	86.0	90.6	95.0	107.6	110.0	108.4	102.9	109.0	103.2
<b>PUBLIC CONSTRUCTION</b>												
<b>State and local</b>												
Buildings:												
Housing and redevelopment .....	103.2	97.2	94.2	95.4	91.5	96.0	103.6	106.6	103.1	104.8	99.7	100.3
Educational .....	97.7	90.6	84.2	84.3	81.9	86.2	96.2	103.1	111.8	133.6	121.8	97.9
Hospital .....	96.7	101.2	95.2	94.0	93.7	101.3	99.6	108.1	105.9	99.9	100.6	99.0
Other buildings .....	104.9	99.2	90.9	92.0	87.3	94.3	104.1	108.1	104.9	109.5	100.6	104.3
Highways and streets .....	106.5	76.6	56.1	49.9	52.2	70.2	105.1	137.2	141.5	152.4	130.2	107.8
Conservation and development .....	101.8	94.2	77.1	77.4	78.4	89.3	104.7	118.8	118.5	119.2	110.0	102.4
Sewer systems .....	100.3	90.3	86.0	79.9	85.0	91.8	107.9	113.3	116.4	116.2	103.4	99.6
Water supply facilities .....	104.1	94.0	84.5	79.6	83.4	92.5	108.4	115.6	107.0	110.8	111.4	104.4
Miscellaneous construction .....	101.8	94.2	77.1	77.4	78.4	89.3	104.7	118.8	118.5	119.2	110.0	102.4
<b>Federal</b>												
Buildings:												
Housing and redevelopment .....	105.1	101.0	99.1	91.5	93.5	96.8	95.8	83.8	132.2	98.1	103.5	100.2
Industrial .....	105.1	101.0	99.1	91.5	93.5	96.8	95.8	83.8	132.2	98.1	103.5	100.2
Educational .....	105.1	101.0	99.1	91.5	93.5	96.8	95.8	83.8	132.2	98.1	103.5	100.2
Hospital .....	105.1	101.0	99.1	91.5	93.5	96.8	95.8	83.8	132.2	98.1	103.5	100.2
Other buildings .....	105.1	101.0	99.1	91.5	93.5	96.8	95.8	83.8	132.2	98.1	103.5	100.2
Military .....	103.2	95.1	109.9	80.5	93.9	108.3	99.4	81.9	134.6	100.3	97.3	100.4
Conservation and development .....	103.0	96.8	96.7	86.9	89.6	92.4	93.9	70.1	157.6	108.7	100.7	101.9
Miscellaneous construction .....	103.0	96.8	96.7	86.9	89.6	92.4	93.9	70.1	157.6	108.7	100.7	101.9

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

Table D-3. Sources of Cost Indexes Used to Derive Estimates of the Value of New Construction Put in Place in 1992 Dollars

Type of construction	Applicable deflating index		Monthly trend index
	Name of index	Availability	
Residential buildings . . . . .	Bureau of the Census Single-Family Houses Under Construction . . . . .	Monthly	
Industrial buildings . . . . .	Unweighted average of—		
Office buildings . . . . .	Turner Construction Company . . . . .	Quarterly	Engineering News-Record—buildings
Hotels and motels . . . . .	Bureau of the Census Single-Family Houses Under Construction . . . . .	Monthly	
Other commercial buildings . . . . .			
Educational buildings . . . . .			
Hospital and institutional buildings . . . . .			
Religious buildings . . . . .			
Miscellaneous nonresidential buildings . . . . .			
Farm nonresidential . . . . .			
Railroads . . . . .	Unweighted average of—		
	Federal Highway Admin.-composite . . . . .	Quarterly	Engineering News-Record—construction
	Bureau of Reclamation . . . . .	Quarterly	Engineering News-Record—construction
Telecommunications . . . . .	C.A. Turner Telephone Plant . . . . .	Semiannually	Engineering News-Record—construction
Electric light and power . . . . .	Weighted average of—		
	Handy-Whitman—electric (weight 9) . . . . .	Semiannually	Engineering News-Record—construction
	Handy-Whitman—utility building (weight 1) . . . . .	Semiannually	Engineering News-Record—buildings
Gas and petroleum pipelines . . . . .	Handy-Whitman—gas . . . . .	Semiannually	Engineering News-Record—construction
Military facilities . . . . .	Weighted average of—		
	Federal Highway Admin.-composite (weight 2) . . . . .	Quarterly	Engineering News-Record—construction
	Bureau of the Census Single-Family Houses Under Construction (weight 1) . . . . .	Monthly	
	Turner Construction Company (weight 1) . . . . .	Quarterly	Engineering News-Record—buildings
Highways and streets . . . . .	Federal Highway Admin.-composite . . . . .	Quarterly	Engineering News-Record—construction
Sewer systems and conservation and development . . . . .	Bureau of Reclamation . . . . .	Quarterly	Engineering News-Record—construction
Water supply facilities . . . . .	Handy-Whitman—water . . . . .	Semiannually	Engineering News-Record—construction
All other private and public . . . . .	Unweighted average of—		
	Federal Highway Admin.-composite . . . . .	Quarterly	Engineering News-Record—construction
	Bureau of Reclamation . . . . .	Quarterly	Engineering News-Record—construction

Note: Federal Highway Administration composite index, adjusted with the application of 12-quarter phasing patterns, is used before the monthly indexes are developed.

Table D-4. 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	98.7	97.1	97.0	98.9	98.0	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	103.8	105.7	104.5	104.9	104.8	103.0	103	102	105	103	103	104	102
1994.....	108.0	108.1	109.8	108.5	109.7	109.5	109.5	106	105	112	107	109	109	103
1995.....	112.4	112.4	109.8	109.8	114.3	114.0	116.5	110	109	115	111	111	112	109
Monthly indexes							Quarterly indexes			Semiannual indexes				
1994: January.....	106.1	106.2	108.4	107.0	107.6	107.4								
February.....	106.3	106.4	109.6	107.7	107.9	107.8	107.2	105	104					
March.....	106.5	106.6	110.0	107.9	108.0	107.8				108	105	108	107	102
April.....	106.7	106.7	110.4	108.4	107.9	107.8								
May.....	107.0	107.0	110.3	108.4	108.4	108.2	106.2	105	105					
June.....	107.5	107.4	109.9	108.5	109.1	108.9								
July.....	107.9	107.8	109.7	108.5	109.5	109.3								
August.....	108.4	108.3	109.7	108.8	109.9	109.8	115.5	106	106					
September.....	108.9	108.8	110.0	109.1	110.7	110.6				112	107	108	110	102
October.....	109.5	109.5	110.0	109.1	111.3	111.3								
November.....	110.3	110.2	109.7	109.1	112.2	112.0	110.8	107	107					
December.....	111.1	110.9	109.8	109.1	113.3	112.9								
1995: January.....	111.6	111.4	109.8	109.2	113.9	113.2								
February.....	111.6	111.5	109.8	109.2	113.8	113.3	114.9	108	108					
March.....	111.6	111.4	109.5	109.0	113.7	113.3				114	109	111	112	104
April.....	111.7	111.6	109.4	109.0	113.7	113.4								
May.....	111.8	111.7	109.3	109.0	113.8	113.5	115.3	110	109					
June.....	112.3	112.2	109.2	109.0	114.0	113.7								
July.....	112.6	112.6	109.9	110.0	114.2	114.0								
August.....	112.8	112.7	110.1	110.5	114.7	114.5	114.1	111	109					
September.....	113.2	113.2	109.7	110.2	115.1	115.0				114	110	111	112	110
October.....	113.4	113.4	110.0	110.6	115.1	115.0								
November.....	113.3	113.3	110.5	110.7	114.8	114.8	118.7	111	110					
December.....	113.2	113.3	110.4	110.8	114.6	114.6								
1996: January.....	<sup>r</sup> 113.4	<sup>r</sup> 113.4	110.3	110.8	<sup>r</sup> 114.7	<sup>r</sup> 114.5								
February.....	<sup>r</sup> 113.5	<sup>r</sup> 113.5	110.5	111.0	<sup>r</sup> 114.8	<sup>r</sup> 114.6	122.3	111	111					
March.....	<sup>r</sup> 113.5	<sup>r</sup> 113.7	110.7	111.1	<sup>r</sup> 114.5	<sup>r</sup> 114.7				117	112	110	114	113
April.....	<sup>r</sup> 113.8	<sup>r</sup> 114.0	111.1	111.3	<sup>r</sup> 114.7	<sup>r</sup> 114.9								
May.....	<sup>p</sup> 114.0	<sup>p</sup> 114.2	111.5	111.8	<sup>p</sup> 114.7	<sup>p</sup> 114.8	(NA)	112	112					
June.....			112.2	112.3										

NA Not available. <sup>p</sup>Preliminary. <sup>r</sup>Revised.

Table D-5. Monthly Bureau of the Census Composite Fixed-Weighted Price Index: 1964 to 1996  
[1992=100]

Year	Month												Annual composite index
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.	
1964	21.2	21.2	21.1	21.3	21.4	21.5	21.5	21.4	21.4	21.7	21.9	21.9	21.5
1965	22.0	21.9	21.9	21.9	22.0	22.2	22.1	22.0	22.1	22.4	22.7	22.8	22.2
1966	22.6	22.4	22.4	23.0	23.4	23.3	23.2	23.1	23.1	23.4	23.5	23.7	23.1
1967	23.5	23.5	23.5	23.5	23.6	23.7	23.8	23.9	24.0	24.1	24.3	24.5	23.8
1968	24.6	24.7	24.8	24.9	25.0	25.0	24.9	25.0	25.1	25.5	25.9	26.4	25.2
1969	26.2	26.2	26.5	26.6	26.9	26.8	27.0	26.8	26.9	27.3	27.5	27.6	26.9
1970	27.5	27.6	27.8	28.4	28.7	29.2	28.6	28.3	28.3	28.6	28.7	29.1	28.4
1971	29.0	29.7	29.9	30.0	30.1	30.3	30.4	30.9	30.9	31.1	31.3	31.6	30.4
1972	31.7	31.7	31.9	31.9	31.9	32.0	32.3	32.6	32.8	33.2	33.4	33.8	32.4
1973	33.8	33.9	34.2	34.6	34.8	34.9	35.3	35.8	36.0	36.4	36.6	36.7	35.3
1974	37.1	37.6	38.5	38.2	38.8	39.9	40.4	40.4	40.8	41.1	41.5	41.8	39.7
1975	42.3	42.2	42.3	42.6	43.0	43.4	43.4	43.1	43.6	43.7	44.0	44.3	43.2
1976	44.2	44.1	44.3	44.7	45.4	45.7	45.9	45.8	45.9	46.2	46.5	46.7	45.5
1977	47.4	47.5	47.8	48.0	48.6	49.2	49.4	49.8	50.2	50.4	50.9	51.4	49.2
1978	51.8	52.2	52.5	53.1	53.4	54.1	54.5	55.1	55.6	56.4	57.0	57.4	54.4
1979	58.0	58.6	58.9	59.2	60.4	61.3	61.8	62.6	62.8	63.5	64.2	64.6	61.3
1980	65.5	66.2	66.4	66.8	67.6	68.6	69.3	69.6	69.8	70.5	71.0	71.3	68.6
1981	71.9	72.2	73.0	73.3	73.6	74.0	74.3	74.5	74.6	75.2	75.5	75.5	74.0
1982	75.7	75.5	75.7	75.6	76.0	76.3	76.0	76.1	76.2	76.1	76.5	76.6	76.0
1983	77.1	77.0	76.8	76.6	77.3	77.7	77.9	77.9	77.9	78.5	78.7	78.9	77.7
1984	79.2	79.4	79.7	79.8	80.0	80.3	80.5	81.1	81.3	81.8	81.9	82.0	80.6
1985	82.3	82.2	82.3	82.3	82.4	82.6	82.8	83.0	83.2	83.6	83.8	84.2	82.9
1986	84.7	84.8	85.0	85.3	85.7	86.1	86.4	86.6	86.9	87.3	87.6	88.0	86.2
1987	88.3	88.5	88.6	88.8	89.0	89.3	89.6	89.7	89.7	89.9	90.6	90.9	89.4
1988	91.5	91.8	91.8	91.8	92.2	92.3	92.6	92.8	93.1	93.4	93.8	93.9	92.6
1989	94.2	94.6	94.9	95.2	95.6	95.8	96.1	96.4	96.6	96.8	96.9	97.0	95.8
1990	97.3	97.5	97.7	97.8	98.0	98.4	98.8	99.0	99.0	99.1	99.4	99.4	98.5
1991	99.4	99.3	98.9	98.9	99.1	99.6	99.7	99.6	99.6	99.4	99.2	99.1	99.3
1992	99.1	99.3	99.4	99.5	99.4	99.6	99.8	99.9	100.2	100.7	101.0	101.5	100.0
1993	101.8	102.2	103.0	103.4	103.1	102.9	103.4	104.0	104.4	104.7	105.3	105.8	103.7
1994	106.1	106.3	106.5	106.7	107.0	107.5	107.9	108.4	108.9	109.5	110.3	111.1	108.0
1995	111.6	111.6	111.6	111.7	111.8	112.3	112.6	112.8	113.2	113.4	113.3	113.2	112.4
1996	<sup>P</sup> 113.4	<sup>P</sup> 113.5	<sup>P</sup> 113.5	<sup>P</sup> 113.8	<sup>P</sup> 114.0								

<sup>P</sup>Preliminary. <sup>R</sup>Revised.

Table D-6. Monthly Bureau of the Census Implicit Price Deflator: 1964 to 1996  
[1992=100]

Year	Month												Annual deflator
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.	
1964	21.1	20.9	21.0	21.1	21.4	21.4	21.4	21.4	21.4	21.6	21.8	21.8	21.4
1965	21.8	21.7	21.6	21.7	21.9	22.0	22.0	21.9	21.9	22.2	22.5	22.6	22.0
1966	22.3	22.1	22.2	22.8	23.2	23.3	23.1	23.0	22.9	23.2	23.4	23.5	23.0
1967	23.4	23.3	23.4	23.4	23.5	23.6	23.7	23.7	23.8	23.9	24.1	24.3	23.7
1968	24.3	24.5	24.6	24.7	24.9	24.9	24.8	24.9	25.0	25.3	25.8	26.2	25.0
1969	26.0	26.1	26.3	26.4	26.7	26.6	26.9	26.7	26.8	27.3	27.5	27.6	26.8
1970	27.4	27.4	27.8	28.3	28.7	29.2	28.7	28.4	28.4	28.7	28.7	29.0	28.4
1971	28.8	29.6	29.8	29.8	29.9	30.2	30.2	30.8	30.7	30.9	31.1	31.3	30.3
1972	31.4	31.5	31.7	31.7	31.7	31.8	31.9	32.4	32.4	32.9	33.1	33.6	32.2
1973	33.5	33.6	33.8	34.3	34.5	34.6	35.0	35.6	35.8	36.1	36.4	36.5	35.0
1974	36.9	37.5	38.5	38.2	38.8	39.9	40.2	40.3	40.6	41.1	41.6	41.9	39.7
1975	42.3	42.3	42.4	42.7	43.2	43.6	43.6	43.4	43.8	43.9	44.1	44.3	43.4
1976	44.0	44.0	44.1	44.6	45.4	45.7	45.9	45.8	45.9	46.2	46.3	46.4	45.5
1977	46.8	47.2	47.3	47.5	48.2	49.0	49.2	49.8	50.1	50.4	50.7	51.0	49.1
1978	51.5	52.0	52.5	53.2	53.5	54.5	54.8	55.4	55.6	56.3	56.7	57.0	54.6
1979	57.3	57.7	58.0	58.6	60.1	61.1	61.6	62.5	62.6	63.4	63.8	63.9	61.1
1980	64.5	65.2	65.5	66.0	66.9	67.9	68.6	68.7	69.1	69.9	70.1	70.3	67.8
1981	70.7	71.0	71.9	72.1	72.3	73.0	73.4	73.7	73.7	74.3	74.2	74.1	72.9
1982	74.4	74.5	74.8	74.7	75.4	76.0	75.9	76.3	76.5	76.2	76.3	76.2	75.7
1983	76.6	76.6	76.6	76.3	76.8	77.1	77.2	77.2	77.2	77.7	77.8	77.9	77.1
1984	78.4	78.8	79.0	78.9	79.0	79.3	79.6	80.2	80.4	80.6	80.6	80.7	79.7
1985	81.0	81.2	81.4	81.2	81.3	81.5	81.6	81.8	82.0	82.4	82.5	82.7	81.8
1986	83.2	83.3	83.5	83.8	84.2	84.5	84.9	85.1	85.4	85.8	86.0	86.4	84.8
1987	86.7	86.7	86.9	87.1	87.4	87.8	88.1	88.2	88.3	88.6	89.0	89.3	87.9
1988	89.9	90.3	90.4	90.4	90.8	90.9	91.1	91.3	91.7	92.0	92.3	92.5	91.2
1989	92.9	93.4	93.6	94.2	94.7	94.9	95.2	95.3	95.4	95.6	95.8	96.1	94.8
1990	96.7	96.8	97.0	97.1	97.4	97.7	98.2	98.5	98.3	98.5	98.6	98.5	97.8
1991	98.5	98.4	98.0	98.2	98.4	98.8	99.2	99.2	99.2	99.1	98.8	98.8	98.7
1992	98.9	99.2	99.3	99.5	99.3	99.7	99.9	100.0	100.2	100.8	101.2	101.7	100.0
1993	102.1	102.4	103.1	103.5	103.2	103.0	103.5	104.1	104.5	104.7	105.3	105.6	103.8
1994	106.2	106.4	106.6	106.7	107.0	107.4	107.8	108.3	108.8	109.5	110.2	110.9	108.1
1995	111.4	111.5	111.4	111.6	111.7	112.2	112.6	112.7	113.2	113.4	113.3	113.3	112.4
1996	<sup>P</sup> 113.4	<sup>P</sup> 113.5	<sup>P</sup> 113.7	<sup>P</sup> 114.0	<sup>P</sup> 114.2								

<sup>P</sup>Preliminary. <sup>R</sup>Revised.