

Geographic Area Summary

1997

Issued April 2000

EC97C23S-AS

1997 Economic Census

Construction

Subject Series



U S C E N S U S B U R E A U

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
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-- Not applicable for this report.

Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the Nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the United States Code (Sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in 2 and 7.

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the Federal Government use the data to monitor economic activity and assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

ALL-NEW INDUSTRY CLASSIFICATIONS

Data from the 1997 Economic Census are published primarily on the basis of the North American Industry Classification System (NAICS), unlike earlier censuses, which were published according to the Standard Industrial Classification (SIC) system. NAICS is in the process of being adopted in the United States, Canada, and Mexico. Most economic census reports cover one of the following NAICS sectors:

| | |
|-------|--------------------------------|
| 21 | Mining |
| 22 | Utilities |
| 23 | Construction |
| 31-33 | Manufacturing |
| 42 | Wholesale Trade |
| 44-45 | Retail Trade |
| 48-49 | Transportation and Warehousing |
| 51 | Information |

| | |
|----|--------------------------------------------------------------------------|
| 52 | Finance and Insurance |
| 53 | Real Estate and Rental and Leasing |
| 54 | Professional, Scientific, and Technical Services |
| 55 | Management of Companies and Enterprises |
| 56 | Administrative and Support and Waste Management and Remediation Services |
| 61 | Educational Services |
| 62 | Health Care and Social Assistance |
| 71 | Arts, Entertainment, and Recreation |
| 72 | Accommodation and Foodservices |
| 81 | Other Services (except Public Administration) |

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), covered by the census of governments conducted by the Census Bureau.)

The 20 NAICS sectors are subdivided into 96 subsectors (three-digit codes), 313 industry groups (four-digit codes), and, as implemented in the United States, 1170 industries (five- and six-digit codes).

RELATIONSHIP TO SIC

While many of the individual NAICS industries correspond directly to industries as defined under the SIC system, most of the higher level groupings do not. Particular care should be taken in comparing data for retail trade, wholesale trade, and manufacturing, which are sector titles used in both NAICS and SIC, but cover somewhat different groups of industries. The industry definitions discuss the relationships between NAICS and SIC industries. Where changes are significant, it will not be possible to construct time series that include data for points both before and after 1997.

For 1997, data for auxiliary establishments (those functioning primarily to manage, service, or support the activities of their company's operating establishments, such as a central administrative office or warehouse) will not be included in the sector-specific reports. These data will be published separately.

GEOGRAPHIC AREA CODING

Accurate and complete information on the physical location of each establishment is required to tabulate the census data for the states, metropolitan areas (MAs), counties, parishes, and corporate municipalities including cities, towns, villages, and boroughs. Respondents were

required to report their physical location (street address, municipality, county, and state) if it differed from their mailing address. For establishments not surveyed by mail (and those single-establishment companies that did not provide acceptable information on physical location), location information from Internal Revenue Service tax forms is used as a basis for coding.

BASIS OF REPORTING

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, shop, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company.

DOLLAR VALUES

All dollar values presented are expressed in current dollars; i.e., 1997 data are expressed in 1997 dollars, and 1992 data, in 1992 dollars. Consequently, when making comparisons with prior years, users of the data should consider the changes in prices that have occurred.

All dollar values are shown in thousands of dollars.

AVAILABILITY OF ADDITIONAL DATA

Reports in Print and Electronic Media

All results of the 1997 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on compact discs (CD-ROM) for sale by the Census Bureau. Unlike previous censuses, only selected highlights are published in printed reports. For more information, including a description of electronic and printed reports being issued, see the Internet site, or write to U.S. Census Bureau, Washington, DC 20233-8300, or call Customer Services at 301-457-4100.

Special Tabulations

Special tabulations of data collected in the 1997 Economic Census may be obtained, depending on availability of time and personnel, in electronic or tabular form. The data will be summaries subject to the same rules prohibiting disclosure of confidential information (including name, address, kind of business, or other data for individual business establishments or companies) that govern the regular publications.

Special tabulations are prepared on a cost basis. A request for a cost estimate, as well as exact specifications on the type and format of the data to be provided, should be directed to the Chief of the division named below, U.S. Census Bureau, Washington, DC 20233-8300. To discuss a special tabulation before submitting specifications, call the appropriate division:

Manufacturing and Construction Division 301-457-4673
Service Sector Statistics Division 301-457-2668

HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Manufactures Census was the first time a census was taken apart from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some covering service trades in 1933. Censuses of construction, manufacturing, and the other business service censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated: providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other Federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census questionnaires.

The range of industries covered in the economic censuses expanded between 1967 and 1992. The census of construction industries began on a regular basis in 1967, and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census of agriculture collectively covered roughly 98 percent of all economic activity.

Printed statistical reports from the 1992 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. All of the census reports printed since 1967 are still available for sale on microfiche from the Census Bureau. CD-ROMs issued from the 1987 and 1992 Economic Censuses contain databases including nearly all data published in print, plus additional statistics, such as ZIP Code statistics, published only on CD-ROM.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1997 Economic Census and Related Statistics* at www.census.gov/econguide. More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1997 Economic Census* at www.census.gov/econ/www/history.html.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used with the 1997 Economic Census data:

| | |
|---|------------------------------------------------------------------------------------------------------|
| A | Standard error of 100 percent or more. |
| D | Withheld to avoid disclosing data of individual companies; data are included in higher level totals. |
| F | Exceeds 100 percent because data include establishments with payroll exceeding revenue. |
| N | Not available or not comparable. |
| Q | Revenue not collected at this level of detail for multiestablishment firms. |
| S | Withheld because estimates did not meet publication standards. |

| | |
|------|----------------------------------------------------------------------------|
| V | Represents less than 50 vehicles or .05 percent. |
| X | Not applicable. |
| Y | Disclosure withheld because of insufficient coverage of merchandise lines. |
| Z | Less than half the unit shown. |
| a | 0 to 19 employees. |
| b | 20 to 99 employees. |
| c | 100 to 249 employees. |
| e | 250 to 499 employees. |
| f | 500 to 999 employees. |
| g | 1,000 to 2,499 employees. |
| h | 2,500 to 4,999 employees. |
| i | 5,000 to 9,999 employees. |
| j | 10,000 to 24,999 employees. |
| k | 25,000 to 49,999 employees. |
| l | 50,000 to 99,999 employees. |
| m | 100,000 employees or more. |
| p | 10 to 19 percent estimated. |
| q | 20 to 29 percent estimated. |
| r | Revised. |
| s | Sampling error exceeds 40 percent. |
| nec | Not elsewhere classified. |
| nsk | Not specified by kind. |
| – | Represents zero (page image/print only). |
| (CC) | Consolidated city. |
| (IC) | Independent city. |

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Construction

SCOPE

Construction, sector 23, includes establishments primarily engaged in construction work that have one or more paid employees. Construction work includes new construction work, additions, alterations, and repairs. Establishments identified as construction management firms are also included. The construction sector is divided into three types of activity or subsectors.

The Building, Developing, and General Contracting subsector includes establishments responsible for the construction of building projects. Builders, developers, and general contractors, as well as land subdividers and land developers are included in the subsector. The construction work may be done for others and performed by custom builders, general contractors, design builders, or turnkey contractors. This construction activity may be for sale as performed by speculative or operative builders.

The Heavy Construction subsector includes establishments engaged in the construction of heavy engineering and industrial projects (except buildings) such as highways, power plants, and pipelines. Establishments in this subsector usually assume responsibility for entire non-building projects, but may subcontract some or all of the actual construction work. Special trade contractors are included in this group if they are engaged in activities primarily related to heavy construction such as grading for highways. Kinds of establishments include heavy construction general contractors, and design builders.

The Special Trade Contractors subsector includes establishments engaged in specialized construction activities such as plumbing, painting, and electrical work. The activities in this subsector may be subcontracted from builders or general contractors, or the work may be performed directly for project owners. Special trade contractors usually perform most of their work at the job site, although they may have shops where they perform prefabrication and other work.

GENERAL

A list of publications that provide statistics on construction, sector 23, follows.

Industry reports. There are 28 separate industry reports. They present data for a six-digit North American Industry Classification System (NAICS) industry. A description of the particular NAICS industry may be found in

Appendix B. These reports include statistics such as number of establishments, employment, payroll, value added, cost of materials, value of business done, and capital expenditures. Explanations of these and other terms may be found in Appendix A. The industry reports also include selected statistics for states.

Geographic area reports. There is a separate report for each state, the District of Columbia, and the United States. They present statistics similar to the industry reports for each state. They also present selected six-digit NAICS level data.

Subject reports. The Industry series, U.S. Summary, and Geographic Area series, U.S. Summary, reports present selected statistics from the individual industry and geographic area reports, as well as higher level aggregations.

GEOGRAPHIC AREAS COVERED

The area reports for the construction industries contain state and regional level data. No substate data are available.

While most of the state data in the industry series reports are by physical location of the establishment, some data are available by reported location of the construction work.

The regions are made up of groups of states as follows:

NORTHEAST

Connecticut
Maine
Massachusetts
New Hampshire
New Jersey
New York
Pennsylvania
Rhode Island
Vermont

MIDWEST

Illinois
Indiana
Iowa
Kansas
Michigan
Minnesota
Missouri
Nebraska

North Dakota
Ohio
South Dakota
Wisconsin

SOUTH

Alabama
Arkansas
Delaware
District of Columbia
Florida
Georgia
Kentucky
Louisiana
Maryland
Mississippi
North Carolina
Oklahoma
South Carolina
Tennessee
Texas
Virginia
West Virginia

WEST

Alaska
Arizona
California
Colorado
Hawaii
Idaho
Montana
Nevada
New Mexico
Oregon
Utah
Washington
Wyoming

COMPARABILITY OF THE 1992 AND 1997 CENSUSES

The adoption of the North American Industry Classification System (NAICS) had a major impact on the comparability of data between the 1992 and 1997 censuses. Less than half of the industries in the construction sector of NAICS have comparable industries in the Standard Industrial Classification (SIC) system that was used for past censuses. Because of the lack of comparable data, historic data are not shown for this sector.

Lead paint removal and asbestos abatement left the construction sector with the introduction of NAICS. Many changes took place within the sector, or from business

activity coming into the sector. Much of the change came from adding management services to each of the construction industries in the building, developing, and general contracting subsector and the heavy construction subsector. Also, land subdividers and developers, and rental of construction equipment with an operator were added to the sector.

Another change is that data for establishments with no employees are no longer included in the construction reports, but are available in other report series.

DISCLOSURE

In accordance with Federal law governing census reports (Title 13 of the United States Code), no data are published that would disclose the operations of an individual establishment or company. However, the number of establishments classified in a specific industry or geography is not considered a disclosure, and may be released even when other information is withheld. Suppressed data are included in higher-level totals.

AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

The County Business Patterns program of the U.S. Census Bureau offers annual statistics on the number of establishments, employment, and payroll classified by industry within each county and state.

The U.S. Census Bureau's monthly Construction Reports, Series C30, Value of New Construction Put in Place contain data related to construction sector census data. The main difference is that the C30 series covers all new construction put in place without regard to who is performing the construction activity. The construction sector census data covers both new construction and maintenance and repair work done by establishments classified in the construction industries. Significant amounts of construction are done by establishments classified outside of construction (real estate, manufacturing, utilities, and communications, for example), as both "force account" construction and construction done for others. In addition, the C30 series includes construction-related expenses such as architectural and engineering costs and the costs of materials supplied by owners which are normally not reflected in construction sector census data.

Data contained in the 1997 construction sector may also differ from industry data in Employment and Earnings Statistics, published by the Bureau of Labor Statistics and Statistics of Income, published by the Internal Revenue Service. These differences arise from varying definitions of scope, coverage, timing, classification, and methodology.

Table 1. Employment Statistics for Establishments With Payroll by State: 1997

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. * Indicates geographic change, but not applicable to this sector. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Location of establishment | Number of establishments | Number of employees | | Number of construction workers | | | | Payroll (thousand dollars) | | Relative standard error of estimate (percent) for column— |
|----------------------------|--------------------------|---------------------|----------------------|--------------------------------|------------------|-------------------|---------------------|----------------------------|----------------------|-----------------------------------------------------------|
| | | All | Construction workers | January to March | April to June | July to September | October to December | All employees | Construction workers | |
| | | | | | | | | | | |
| United States | 656 448 | 5 664 853 | 4 332 737 | 3 974 166 | 4 357 708 | 4 603 709 | 4 395 365 | 174 184 608 | 119 676 792 | Z |
| Alabama | 9 586 | 95 218 | 74 875 | 73 503 | 76 128 | 75 916 | 73 953 | 2 475 748 | 1 713 248 | 1 |
| Alaska | 2 034 | 14 114 | 10 762 | 7 639 | 11 253 | 14 199 | 9 958 | 565 015 | 417 999 | 2 |
| Arizona | 11 058 | 131 871 | 102 056 | 97 673 | 101 321 | 105 441 | 103 791 | 3 621 170 | 2 435 271 | 1 |
| Arkansas | 5 457 | 42 033 | 33 202 | 30 941 | 34 277 | 35 043 | 32 546 | 982 804 | 692 563 | 3 |
| California | 60 162 | 561 338 | 429 954 | 400 516 | 423 417 | 452 727 | 443 155 | 19 147 668 | 13 167 033 | Z |
| Colorado | 14 681 | 125 228 | 94 902 | 88 467 | 95 387 | 101 296 | 94 459 | 3 807 924 | 2 562 031 | 1 |
| Connecticut | 9 057 | 63 935 | 44 625 | 38 177 | 46 589 | 48 781 | 44 954 | 2 246 746 | 1 402 553 | 1 |
| Delaware | 2 294 | 20 421 | 15 789 | 14 727 | 15 987 | 16 346 | 16 096 | 632 959 | 439 469 | 2 |
| District of Columbia | 310 | 6 356 | 4 512 | 4 319 | 4 609 | 4 719 | 4 400 | 240 245 | 155 121 | 2 |
| Florida | 36 608 | 324 844 | 234 856 | 228 123 | 231 987 | 240 199 | 239 112 | 8 802 536 | 5 472 823 | 1 |
| Georgia | 17 896 | 163 981 | 124 312 | 119 438 | 123 495 | 128 406 | 125 909 | 4 687 527 | 3 038 924 | 1 |
| Hawaii* | 2 335 | 21 791 | 15 195 | 15 183 | 14 946 | 15 447 | 15 204 | 845 169 | 551 358 | 1 |
| Idaho | 5 360 | 40 535 | 30 238 | 26 472 | 30 612 | 33 277 | 30 589 | 1 131 450 | 783 763 | 2 |
| Illinois | 27 953 | 240 092 | 182 269 | 156 045 | 186 369 | 200 677 | 185 986 | 8 885 067 | 6 332 963 | 1 |
| Indiana | 16 000 | 140 520 | 108 176 | 98 636 | 109 443 | 116 290 | 108 336 | 4 344 727 | 3 117 686 | 1 |
| Iowa | 7 941 | 62 146 | 49 842 | 41 747 | 51 934 | 55 294 | 50 391 | 1 734 112 | 1 293 483 | 1 |
| Kansas | 7 115 | 61 915 | 48 985 | 45 336 | 50 139 | 52 168 | 48 297 | 1 755 602 | 1 257 189 | 1 |
| Kentucky | 8 878 | 76 876 | 60 134 | 56 920 | 60 053 | 62 922 | 60 642 | 2 000 656 | 1 421 471 | 1 |
| Louisiana | 7 812 | 107 773 | 87 396 | 83 128 | 89 112 | 89 612 | 87 733 | 3 033 161 | 2 276 752 | 1 |
| Maine | 4 249 | 25 157 | 19 821 | 16 363 | 20 412 | 21 955 | 20 553 | 662 422 | 484 190 | 2 |
| Maryland | 14 525 | 141 469 | 106 487 | 100 337 | 108 189 | 110 677 | 106 746 | 4 367 541 | 2 887 287 | 1 |
| Massachusetts | 14 959 | 107 813 | 79 418 | 68 520 | 80 124 | 86 398 | 82 629 | 3 868 761 | 2 585 886 | 1 |
| Michigan | 25 399 | 187 135 | 144 208 | 122 908 | 147 312 | 159 171 | 147 441 | 6 280 542 | 4 434 269 | 1 |
| Minnesota | 12 993 | 103 200 | 78 874 | 63 082 | 80 389 | 91 251 | 80 773 | 3 603 848 | 2 573 959 | 1 |
| Mississippi | 4 824 | 47 695 | 38 545 | 36 408 | 38 347 | 40 325 | 39 101 | 1 155 491 | 829 263 | 2 |
| Missouri | 15 020 | 130 555 | 102 154 | 93 827 | 103 346 | 109 114 | 102 327 | 3 978 052 | 2 790 581 | 1 |
| Montana | 3 452 | 18 096 | 14 674 | 11 243 | 14 953 | 17 180 | 15 321 | 445 551 | 339 618 | 2 |
| Nebraska | 5 198 | 40 363 | 31 376 | 27 731 | 32 314 | 34 170 | 31 287 | 1 148 223 | 774 060 | 2 |
| Nevada | 4 436 | 70 168 | 56 345 | 55 114 | 56 654 | 57 485 | 56 126 | 2 313 444 | 1 679 730 | 1 |
| New Hampshire | 3 684 | 22 690 | 17 199 | 14 488 | 16 979 | 19 061 | 18 266 | 677 938 | 456 493 | 2 |
| New Jersey | 22 102 | 143 627 | 105 760 | 95 916 | 107 905 | 112 491 | 106 729 | 5 189 675 | 3 469 349 | 1 |
| New Mexico | 4 673 | 39 671 | 31 812 | 29 798 | 31 596 | 33 549 | 32 306 | 1 026 789 | 747 583 | 2 |
| New York | 36 806 | 275 501 | 203 478 | 177 295 | 205 376 | 221 551 | 209 692 | 9 670 049 | 6 541 266 | 1 |
| North Carolina | 23 990 | 198 367 | 152 818 | 148 789 | 153 269 | 156 354 | 152 858 | 5 177 635 | 3 473 737 | 1 |
| North Dakota | 2 034 | 15 782 | 13 102 | 9 939 | 13 563 | 15 640 | 13 267 | 408 448 | 312 241 | 3 |
| Ohio | 26 047 | 224 302 | 169 028 | 147 125 | 172 771 | 184 187 | 172 030 | 7 067 686 | 4 917 972 | 1 |
| Oklahoma | 6 751 | 50 556 | 39 225 | 37 269 | 38 823 | 40 514 | 40 293 | 1 256 439 | 864 433 | 2 |
| Oregon | 11 740 | 80 041 | 61 957 | 57 061 | 62 255 | 66 653 | 61 860 | 2 648 954 | 1 915 582 | 1 |
| Pennsylvania | 27 563 | 230 026 | 175 589 | 155 865 | 177 416 | 189 925 | 179 152 | 7 275 816 | 5 100 814 | 1 |
| Rhode Island | 3 060 | 17 070 | 12 144 | 10 422 | 12 409 | 13 251 | 12 495 | 551 839 | 351 639 | 2 |
| South Carolina | 10 430 | 86 200 | 67 322 | 65 811 | 67 484 | 69 188 | 66 806 | 2 113 692 | 1 459 202 | 1 |
| South Dakota | 2 418 | 14 488 | 11 663 | 9 365 | 11 816 | 13 491 | 11 979 | 355 185 | 259 029 | 3 |
| Tennessee | 11 417 | 119 458 | 94 108 | 89 873 | 94 171 | 98 192 | 94 198 | 3 360 245 | 2 260 722 | 1 |
| Texas | 35 315 | 426 765 | 329 393 | 315 053 | 325 455 | 340 267 | 336 796 | 12 398 274 | 8 243 047 | 1 |
| Utah | 7 288 | 55 801 | 44 838 | 41 502 | 44 695 | 47 966 | 45 189 | 1 578 334 | 1 159 116 | 2 |
| Vermont | 2 474 | 13 101 | 10 014 | 8 328 | 10 111 | 11 355 | 10 264 | 331 322 | 230 560 | 2 |
| Virginia | 19 537 | 179 909 | 138 381 | 132 992 | 140 131 | 142 527 | 137 876 | 4 837 442 | 3 207 757 | 1 |
| Washington | 19 867 | 138 194 | 105 194 | 95 985 | 104 200 | 113 039 | 107 553 | 4 528 500 | 3 162 745 | 1 |
| West Virginia | 4 506 | 31 312 | 25 588 | 23 763 | 25 421 | 27 311 | 25 855 | 757 335 | 568 463 | 4 |
| Wisconsin | 14 976 | 115 488 | 88 817 | 75 301 | 91 072 | 98 012 | 90 881 | 3 863 852 | 2 799 436 | 1 |
| Wyoming | 2 177 | 13 867 | 11 324 | 9 706 | 11 692 | 12 694 | 11 203 | 345 004 | 265 065 | 2 |

Table 2. General Statistics for Establishments With Payroll by State: 1997

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. * Indicates geographic change, but not applicable to this sector. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Location of establishment | Value of construction work | Net value of construction work | Value added | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted out to others | Rental cost of machinery, equipment, and buildings | Capital expenditures, other than land | End-of-year gross book value of depreciable assets | Relative standard error of estimate (percent) for column— | |
|----------------------------|----------------------------|--------------------------------|--------------------|----------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|---------------------------------------|----------------------------------------------------|-----------------------------------------------------------|----------|
| | A | B | C | D | E | F | G | H | B | G |
| United States | 845 543 552 | 612 209 024 | 383 845 728 | 241 400 736 | 233 334 544 | 12 348 423 | 15 063 943 | 118 847 360 | Z | 1 |
| Alabama | 12 566 710 | 9 046 988 | 5 284 048 | 3 977 748 | 3 519 722 | 173 112 | 242 583 | 1 897 430 | 2 | 4 |
| Alaska | 2 406 248 | 1 941 852 | 1 273 753 | 717 181 | 464 397 | 47 567 | 63 867 | 616 045 | 2 | 6 |
| Arizona | 18 866 478 | 12 761 962 | 7 721 318 | 5 289 411 | 6 104 515 | 269 213 | 289 308 | 1 921 175 | 1 | 3 |
| Arkansas | 5 143 082 | 3 820 897 | 2 426 438 | 1 474 879 | 1 322 185 | 73 831 | 105 609 | 880 488 | 4 | 6 |
| California | 93 145 280 | 65 239 520 | 42 654 680 | 23 793 284 | 27 905 760 | 1 486 710 | 1 292 227 | 9 625 589 | Z | 1 |
| Colorado | 19 442 380 | 13 415 567 | 8 370 715 | 5 339 392 | 6 026 813 | 304 572 | 328 958 | 2 450 546 | 1 | 3 |
| Connecticut | 9 729 275 | 7 082 290 | 4 600 199 | 2 584 038 | 2 646 986 | 124 383 | 165 869 | 1 444 587 | 1 | 3 |
| Delaware | 3 052 419 | 2 138 927 | 1 302 071 | 853 084 | 913 492 | 46 004 | 50 045 | 420 491 | 2 | 4 |
| District of Columbia..... | 1 437 334 | 693 562 | 388 330 | 325 701 | 743 772 | 13 182 | 18 034 | 124 408 | 1 | 1 |
| Florida | 50 173 812 | 35 101 200 | 20 927 588 | 14 891 786 | 15 072 612 | 653 341 | 796 826 | 6 223 642 | 1 | 2 |
| Georgia | 28 171 342 | 19 428 580 | 11 572 985 | 8 271 516 | 8 742 762 | 342 507 | 476 522 | 3 576 894 | 1 | 3 |
| Hawaii* | 3 902 053 | 2 769 537 | 1 801 322 | 1 052 870 | 1 132 516 | 65 356 | 48 623 | 654 661 | 1 | 3 |
| Idaho | 5 365 105 | 4 239 638 | 2 916 774 | 1 430 287 | 1 125 467 | 82 784 | 112 286 | 963 785 | 2 | 4 |
| Illinois | 39 447 156 | 28 709 956 | 18 927 224 | 10 453 704 | 10 737 199 | 585 551 | 653 106 | 5 989 383 | 1 | 2 |
| Indiana | 19 228 112 | 14 819 693 | 9 241 725 | 5 928 900 | 4 408 421 | 250 029 | 396 164 | 2 939 117 | 1 | 3 |
| Iowa | 7 941 417 | 6 287 595 | 3 651 785 | 2 771 505 | 1 653 822 | 103 638 | 292 892 | 1 849 832 | 2 | 6 |
| Kansas | 8 762 160 | 6 461 709 | 3 856 129 | 2 746 950 | 2 300 451 | 115 516 | 216 289 | 1 803 254 | 2 | 3 |
| Kentucky | 9 754 413 | 7 436 441 | 4 523 159 | 3 055 088 | 2 317 973 | 141 827 | 186 775 | 1 643 817 | 1 | 3 |
| Louisiana | 11 330 553 | 9 212 262 | 5 845 182 | 3 523 311 | 2 118 291 | 232 435 | 223 896 | 1 824 854 | 1 | 5 |
| Maine | 2 812 253 | 2 241 511 | 1 380 544 | 930 220 | 570 742 | 49 892 | 79 993 | 723 102 | 2 | 5 |
| Maryland | 20 880 708 | 14 868 714 | 8 990 380 | 6 098 110 | 6 011 994 | 271 158 | 306 066 | 2 667 170 | 1 | 2 |
| Massachusetts | 20 413 382 | 14 244 382 | 9 251 150 | 5 210 904 | 6 169 001 | 323 222 | 325 659 | 2 371 441 | 1 | 4 |
| Michigan | 30 400 068 | 21 759 328 | 13 934 726 | 8 286 480 | 8 640 739 | 434 888 | 595 612 | 4 480 504 | 1 | 2 |
| Minnesota | 18 125 068 | 12 757 527 | 8 094 350 | 5 070 175 | 5 367 541 | 261 197 | 376 326 | 3 179 433 | 1 | 4 |
| Mississippi | 5 978 215 | 4 508 474 | 2 663 025 | 1 970 434 | 1 469 741 | 94 776 | 150 018 | 1 101 921 | 3 | 5 |
| Missouri | 18 772 418 | 13 365 359 | 8 067 303 | 5 541 924 | 5 407 060 | 224 251 | 343 905 | 2 852 575 | 1 | 3 |
| Montana | 2 208 977 | 1 760 810 | 1 050 516 | 764 019 | 448 167 | 47 244 | 68 777 | 517 028 | 3 | 9 |
| Nebraska | 5 388 615 | 4 302 271 | 2 597 090 | 1 784 785 | 1 086 344 | 78 076 | 173 761 | 1 349 693 | 2 | 5 |
| Nevada | 11 696 545 | 8 642 004 | 5 892 242 | 2 985 504 | 3 054 541 | 172 438 | 201 923 | 1 471 750 | 1 | 3 |
| New Hampshire..... | 3 278 653 | 2 466 827 | 1 508 547 | 1 006 322 | 811 826 | 49 404 | 91 183 | 602 906 | 2 | 12 |
| New Jersey | 24 512 848 | 18 496 926 | 12 222 001 | 6 780 254 | 6 015 924 | 351 516 | 354 159 | 3 096 657 | 1 | 2 |
| New Mexico | 4 746 068 | 3 572 722 | 2 144 161 | 1 467 631 | 1 173 346 | 81 470 | 92 089 | 786 478 | 2 | 4 |
| New York | 43 890 804 | 31 285 872 | 20 422 778 | 11 653 096 | 12 604 931 | 607 684 | 595 530 | 5 049 676 | 1 | 2 |
| North Carolina | 26 505 734 | 19 343 094 | 11 580 847 | 8 149 607 | 7 162 641 | 365 787 | 533 505 | 4 009 730 | 1 | 3 |
| North Dakota | 1 802 077 | 1 485 145 | 894 394 | 626 893 | 316 931 | 43 807 | 57 994 | 438 644 | 2 | 6 |
| Ohio | 33 174 508 | 24 547 928 | 15 245 234 | 9 746 237 | 8 626 581 | 496 408 | 565 179 | 4 647 047 | 1 | 2 |
| Oklahoma | 6 502 286 | 4 983 168 | 3 026 992 | 2 038 521 | 1 519 118 | 96 045 | 129 554 | 1 045 511 | 2 | 4 |
| Oregon | 12 948 074 | 9 221 058 | 5 736 105 | 3 673 208 | 3 727 016 | 221 905 | 234 443 | 1 604 629 | 1 | 4 |
| Pennsylvania | 33 422 994 | 25 074 614 | 15 966 473 | 9 809 566 | 8 348 379 | 487 656 | 655 463 | 5 346 073 | 1 | 2 |
| Rhode Island | 3 689 781 | 2 539 911 | 1 675 209 | 902 134 | 1 149 870 | 33 088 | 60 112 | 398 348 | 2 | 26 |
| South Carolina..... | 10 799 756 | 8 112 732 | 4 841 701 | 3 417 406 | 2 687 024 | 148 115 | 184 069 | 1 510 685 | 2 | 3 |
| South Dakota | 1 721 029 | 1 336 541 | 807 139 | 567 407 | 384 488 | 19 205 | 46 774 | 415 067 | 3 | 6 |
| Tennessee | 17 064 150 | 12 169 043 | 7 133 539 | 5 268 517 | 4 895 108 | 243 726 | 358 780 | 2 502 726 | 1 | 3 |
| Texas | 59 456 720 | 43 113 200 | 26 666 766 | 17 058 716 | 16 343 520 | 915 207 | 962 831 | 7 234 911 | 1 | 2 |
| Utah | 8 418 197 | 5 892 234 | 3 637 593 | 2 360 982 | 2 525 964 | 109 505 | 152 537 | 1 153 543 | 2 | 4 |
| Vermont | 1 666 718 | 1 187 556 | 669 225 | 548 557 | 479 162 | 27 407 | 36 379 | 313 393 | 2 | 7 |
| Virginia | 22 796 778 | 16 655 425 | 10 131 889 | 6 902 095 | 6 141 353 | 304 849 | 448 112 | 3 605 358 | 1 | 2 |
| Washington | 21 433 496 | 15 360 863 | 9 818 051 | 5 946 510 | 6 072 634 | 352 425 | 442 592 | 2 988 177 | 1 | 16 |
| West Virginia | 3 022 041 | 2 600 431 | 1 706 202 | 978 280 | 421 611 | 50 826 | 108 514 | 824 810 | 2 | 7 |
| Wisconsin | 16 627 570 | 12 493 946 | 8 009 497 | 4 904 627 | 4 133 625 | 239 390 | 386 682 | 3 269 586 | 1 | 2 |
| Wyoming..... | 1 521 700 | 1 211 224 | 794 653 | 470 982 | 310 476 | 34 298 | 56 538 | 438 793 | 3 | 5 |

Table 3. Detailed Statistics for Establishments With Payroll: 1997

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Item | Value | Relative standard error of estimate (percent) | Item | Value | Relative standard error of estimate (percent) |
|-------------------------------------------------------------------------|-------------|-----------------------------------------------|-------------------------------------------------------------------------|-------------|-----------------------------------------------|
| UNITED STATES | | | NORTHEAST—Con. | | |
| Number of establishments in business during year | 656 448 | Z | Fringe benefits, all employees | 8 504 914 | Z |
| Number of proprietors and working partners | 254 713 | 1 | Legally required expenditures | 4 844 210 | Z |
| Total number of employees | 5 664 853 | Z | Voluntary expenditures | 3 660 705 | 1 |
| Number of construction workers in March | 3 974 166 | Z | Value of business done | 145 918 032 | 1 |
| Number of construction workers in May | 4 357 708 | Z | Value of construction work | 143 416 704 | 1 |
| Number of construction workers in August | 4 603 709 | Z | Value of construction work subcontracted in from others | 38 592 212 | 1 |
| Number of construction workers in November | 4 395 365 | Z | Other business receipts | 2 501 328 | 2 |
| Average number of construction workers | 4 332 737 | Z | Net value of construction | 104 619 888 | 1 |
| Number of other employees in March | 1 332 161 | Z | Value added | 67 696 128 | 1 |
| Number of other employees in May | 1 319 559 | Z | Selected costs | 78 221 912 | 1 |
| Number of other employees in August | 1 341 407 | Z | Cost of materials, components, and supplies | 37 793 020 | 1 |
| Number of other employees in November | 1 335 334 | Z | Cost of construction work subcontracted out to others | 38 796 820 | 1 |
| Average number of other employees | 1 332 116 | Z | Cost of selected power, fuels, and lubricants | 1 632 073 | 1 |
| Payroll, all employees | 174 184 608 | Z | Cost of electricity | 304 419 | 2 |
| Payroll, construction workers | 119 676 792 | Z | Cost of natural gas and manufactured gas | 75 173 | 2 |
| Payroll, other employees | 54 507 816 | Z | Cost of gasoline and diesel fuel | 1 157 905 | 1 |
| First-quarter payroll, all employees | 37 434 448 | Z | Cost of on-highway use of gasoline and diesel fuel | 858 563 | 1 |
| Fringe benefits, all employees | 41 422 476 | Z | Cost of off-highway use of gasoline and diesel fuel | 299 342 | 1 |
| Legally required expenditures | 25 692 444 | Z | Cost of all other fuels and lubricants | 94 576 | 2 |
| Voluntary expenditures | 15 730 033 | Z | Rental cost for machinery, equipment, and buildings | 2 054 253 | 1 |
| Value of business done | 858 581 056 | Z | Rental cost for machinery and equipment | 1 343 995 | 2 |
| Value of construction work | 845 543 552 | Z | Rental cost for buildings | 710 258 | 1 |
| Value of construction work subcontracted in from others | 237 691 136 | Z | Selected purchased services | 2 177 347 | 1 |
| Other business receipts | 13 037 464 | 1 | Purchased communication services | 789 806 | 1 |
| Net value of construction | 612 209 024 | Z | Cost of repairs to buildings and other structures | 138 574 | 3 |
| Value added | 383 845 728 | Z | Cost of repairs to machinery and equipment | 1 248 968 | 1 |
| Selected costs | 474 735 296 | Z | Value of construction work | 143 416 704 | 1 |
| Cost of materials, components, and supplies | 231 144 048 | Z | Value of construction work on government owned projects | 34 717 380 | 1 |
| Cost of construction work subcontracted out to others | 233 334 544 | Z | Value of construction work on federally owned projects | 5 051 202 | 2 |
| Cost of selected power, fuels, and lubricants | 10 256 693 | Z | Value of construction work on state and locally owned projects | 29 666 178 | 1 |
| Cost of electricity | 1 740 763 | 1 | Value of construction work on privately owned projects | 108 699 328 | 1 |
| Cost of natural gas and manufactured gas | 1 514 783 | 1 | Beginning-of-year gross book value of depreciable assets | 17 693 768 | 1 |
| Cost of gasoline and diesel fuel | 7 452 872 | Z | Capital expenditures, other than land | 2 364 347 | 1 |
| Cost of on-highway use of gasoline and diesel fuel | 5 335 645 | Z | Retirements and disposition of depreciable assets | 711 932 | 3 |
| Cost of off-highway use of gasoline and diesel fuel | 2 117 227 | 1 | End-of-year gross book value of depreciable assets | 19 346 184 | 1 |
| Cost of all other fuels and lubricants | 548 275 | 1 | Depreciation charges during year | 1 978 199 | 1 |
| Rental cost for machinery, equipment, and buildings | 12 348 423 | Z | Number of establishments with inventories | 33 703 | 1 |
| Rental cost for machinery and equipment | 8 637 238 | 1 | Value of construction work for establishments with inventories | 52 514 480 | 1 |
| Rental cost for buildings | 3 711 185 | 1 | End of 1997, inventories of materials and supplies | 1 706 398 | 3 |
| Selected purchased services | 13 223 140 | Z | End of 1996, inventories of materials and supplies | 1 598 332 | 2 |
| Purchased communication services | 4 502 956 | Z | Number of establishments with no inventories | 43 645 | 1 |
| Cost of repairs to buildings and other structures | 830 181 | 1 | Value of construction work for establishments with no inventories | 55 825 148 | 1 |
| Cost of repairs to machinery and equipment | 7 890 003 | Z | Number of establishments not reporting inventories | 46 608 | 1 |
| Value of construction work | 845 543 552 | Z | Value of construction work for establishments not reporting inventories | 35 077 080 | 2 |
| Value of construction work on government owned projects | 186 164 144 | Z | MIDWEST | | |
| Value of construction work on federally owned projects | 37 451 064 | 1 | Number of establishments in business during year | 163 093 | Z |
| Value of construction work on state and locally owned projects | 148 713 072 | 1 | Number of proprietors and working partners | 61 487 | 1 |
| Value of construction work on privately owned projects | 659 379 392 | Z | Total number of employees | 1 335 987 | Z |
| Beginning-of-year gross book value of depreciable assets | 108 440 136 | Z | Number of construction workers in March | 891 041 | Z |
| Capital expenditures, other than land | 15 063 943 | 1 | Number of construction workers in May | 1 050 469 | Z |
| Retirements and disposition of depreciable assets | 4 656 722 | 1 | Number of construction workers in August | 1 129 468 | Z |
| End-of-year gross book value of depreciable assets | 118 847 360 | Z | Number of construction workers in November | 1 042 996 | Z |
| Depreciation charges during year | 12 628 392 | Z | Average number of construction workers | 1 028 493 | Z |
| Number of establishments with inventories | 173 737 | 1 | Number of other employees in March | 305 238 | 1 |
| Value of construction work for establishments with inventories | 322 485 120 | Z | Number of other employees in May | 305 657 | 1 |
| End of 1997, inventories of materials and supplies | 11 642 726 | 1 | Number of other employees in August | 311 380 | 1 |
| End of 1996, inventories of materials and supplies | 10 681 842 | 1 | Number of other employees in November | 307 700 | 1 |
| Number of establishments with no inventories | 243 039 | 1 | Average number of other employees | 307 494 | 1 |
| Value of construction work for establishments with no inventories | 345 539 520 | Z | Payroll, all employees | 43 425 344 | Z |
| Number of establishments not reporting inventories | 239 673 | 1 | Payroll, construction workers | 30 862 868 | Z |
| Value of construction work for establishments not reporting inventories | 177 518 896 | 1 | Payroll, other employees | 12 562 474 | Z |
| NORTHEAST | | | First-quarter payroll, all employees | 8 822 830 | Z |
| Number of establishments in business during year | 123 956 | Z | Fringe benefits, all employees | 11 478 627 | Z |
| Number of proprietors and working partners | 41 901 | 1 | Legally required expenditures | 6 457 249 | Z |
| Total number of employees | 898 920 | Z | Voluntary expenditures | 5 201 379 | 1 |
| Number of construction workers in March | 585 372 | Z | Value of business done | 204 819 376 | Z |
| Number of construction workers in May | 677 320 | Z | Value of construction work | 201 390 192 | Z |
| Number of construction workers in August | 724 770 | Z | Value of construction work subcontracted in from others | 56 540 448 | 1 |
| Number of construction workers in November | 684 734 | 1 | Other business receipts | 3 429 185 | 4 |
| Average number of construction workers | 668 049 | Z | Net value of construction | 148 326 992 | Z |
| Number of other employees in March | 229 767 | 1 | Value added | 93 326 592 | Z |
| Number of other employees in May | 229 923 | 1 | Selected costs | 111 492 784 | 1 |
| Number of other employees in August | 232 823 | 1 | Cost of materials, components, and supplies | 55 878 588 | 1 |
| Number of other employees in November | 230 970 | 1 | Cost of construction work subcontracted out to others | 53 063 200 | 1 |
| Average number of other employees | 230 871 | 1 | Cost of selected power, fuels, and lubricants | 2 550 997 | 1 |
| Payroll, all employees | 30 474 568 | Z | Cost of electricity | 379 531 | 1 |
| Payroll, construction workers | 20 622 748 | Z | Cost of natural gas and manufactured gas | 179 400 | 2 |
| Payroll, other employees | 9 851 819 | Z | Cost of gasoline and diesel fuel | 1 853 323 | 1 |
| First-quarter payroll, all employees | 6 419 363 | 1 | Cost of on-highway use of gasoline and diesel fuel | 1 283 869 | 1 |
| | | | Cost of off-highway use of gasoline and diesel fuel | 569 453 | 1 |
| | | | Cost of all other fuels and lubricants | 138 743 | 2 |

Table 3. Detailed Statistics for Establishments With Payroll: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Item | Value | Relative standard error of estimate (percent) | Item | Value | Relative standard error of estimate (percent) |
|-------------------------------------------------------------------------------|-------------|-----------------------------------------------|-------------------------------------------------------------------------------|-------------|-----------------------------------------------|
| MIDWEST—Con. | | | SOUTH—Con. | | |
| Rental cost for machinery, equipment, and buildings | 2 851 957 | 1 | Beginning-of-year gross book value of depreciable assets | 37 560 456 | 1 |
| Rental cost for machinery and equipment | 2 007 131 | 1 | Capital expenditures, other than land | 5 281 738 | 1 |
| Rental cost for buildings | 844 827 | 1 | Retirements and disposition of depreciable assets | 1 747 348 | 2 |
| Selected purchased services | 3 308 907 | 1 | End-of-year gross book value of depreciable assets | 41 094 844 | 1 |
| Purchased communication services | 1 016 295 | 1 | Depreciation charges during year | 4 535 200 | 1 |
| Cost of repairs to buildings and other structures | 211 046 | 2 | Number of establishments with inventories | 53 856 | 1 |
| Cost of repairs to machinery and equipment | 2 081 566 | 1 | Value of construction work for establishments with inventories .. | 103 597 688 | 1 |
| Value of construction work | 201 390 192 | Z | End of 1997, inventories of materials and supplies | 4 329 045 | 2 |
| Value of construction work on government owned projects | 44 709 160 | 1 | End of 1996, inventories of materials and supplies | 3 969 119 | 2 |
| Value of construction work on federally owned projects | 6 921 695 | 1 | Number of establishments with no inventories | 80 541 | 1 |
| Value of construction work on state and locally owned projects | 37 787 464 | 1 | Value of construction work for establishments with no inventories | 125 219 984 | 1 |
| Value of construction work on privately owned projects | 156 681 040 | 1 | Number of establishments not reporting inventories | 85 739 | 1 |
| Beginning-of-year gross book value of depreciable assets | 30 326 418 | 1 | Value of construction work for establishments not reporting inventories | 65 818 380 | 1 |
| Capital expenditures, other than land | 4 033 691 | 1 | WEST | | |
| Retirements and disposition of depreciable assets | 1 145 974 | 1 | Number of establishments in business during year | 149 263 | Z |
| End-of-year gross book value of depreciable assets | 33 214 134 | 1 | Number of proprietors and working partners | 72 293 | 1 |
| Depreciation charges during year | 3 464 739 | 1 | Total number of employees | 1 310 714 | Z |
| Number of establishments with inventories | 47 570 | 1 | Number of construction workers in March | 936 359 | Z |
| Value of construction work for establishments with inventories .. | 89 381 856 | 1 | Number of construction workers in May | 1 002 980 | Z |
| End of 1997, inventories of materials and supplies | 2 931 657 | 3 | Number of construction workers in August | 1 070 953 | Z |
| End of 1996, inventories of materials and supplies | 2 715 776 | 3 | Number of construction workers in November | 1 026 715 | Z |
| Number of establishments with no inventories | 62 091 | 1 | Average number of construction workers | 1 009 252 | Z |
| Value of construction work for establishments with no inventories | 77 358 400 | 1 | Number of other employees in March | 303 058 | Z |
| Number of establishments not reporting inventories | 53 433 | 1 | Number of other employees in May | 297 106 | Z |
| Value of construction work for establishments not reporting inventories | 34 649 936 | 1 | Number of other employees in August | 303 009 | Z |
| SOUTH | | | Number of other employees in November | 302 675 | Z |
| Number of establishments in business during year | 220 136 | Z | Average number of other employees | 301 462 | Z |
| Number of proprietors and working partners | 79 032 | 1 | Payroll, all employees | 42 004 972 | Z |
| Total number of employees | 2 119 232 | Z | Payroll, construction workers | 29 186 894 | Z |
| Number of construction workers in March | 1 561 394 | Z | Payroll, other employees | 12 818 077 | Z |
| Number of construction workers in May | 1 626 939 | Z | First-quarter payroll, all employees | 9 101 101 | Z |
| Number of construction workers in August | 1 678 519 | Z | Fringe benefits, all employees | 10 039 805 | Z |
| Number of construction workers in November | 1 640 920 | Z | Legally required expenditures | 6 323 310 | Z |
| Average number of construction workers | 1 626 943 | Z | Voluntary expenditures | 3 716 495 | Z |
| Number of other employees in March | 494 098 | Z | Value of business done | 209 174 752 | Z |
| Number of other employees in May | 486 873 | Z | Value of construction work | 206 100 592 | Z |
| Number of other employees in August | 494 196 | Z | Value of construction work subcontracted in from others | 63 993 916 | 1 |
| Number of other employees in November | 493 989 | Z | Other business receipts | 3 074 153 | 2 |
| Average number of other employees | 492 289 | Z | Net value of construction | 146 028 992 | Z |
| Payroll, all employees | 58 279 732 | Z | Value added | 93 811 880 | Z |
| Payroll, construction workers | 39 004 284 | Z | Selected costs | 115 362 872 | Z |
| Payroll, other employees | 19 275 448 | Z | Cost of materials, components, and supplies | 52 922 068 | Z |
| First-quarter payroll, all employees | 13 091 153 | Z | Cost of construction work subcontracted out to others | 60 071 612 | 1 |
| Fringe benefits, all employees | 11 399 129 | Z | Cost of selected power, fuels, and lubricants | 2 369 191 | 1 |
| Legally required expenditures | 8 067 675 | Z | Cost of electricity | 369 883 | 1 |
| Voluntary expenditures | 3 331 455 | 1 | Cost of natural gas and manufactured gas | 107 590 | 2 |
| Value of business done | 298 668 864 | Z | Cost of gasoline and diesel fuel | 1 774 132 | 1 |
| Value of construction work | 294 636 064 | Z | Cost of on-highway use of gasoline and diesel fuel | 1 263 697 | 1 |
| Value of construction work subcontracted in from others | 78 564 552 | 1 | Cost of off-highway use of gasoline and diesel fuel | 510 435 | 1 |
| Other business receipts | 4 032 798 | 2 | Cost of all other fuels and lubricants | 117 586 | 2 |
| Net value of construction | 213 233 136 | Z | Rental cost for machinery, equipment, and buildings | 3 275 486 | 1 |
| Value added | 129 011 144 | Z | Rental cost for machinery and equipment | 2 274 905 | 1 |
| Selected costs | 169 657 712 | Z | Rental cost for buildings | 1 000 581 | 1 |
| Cost of materials, components, and supplies | 84 550 368 | 1 | Selected purchased services | 3 039 728 | 1 |
| Cost of construction work subcontracted out to others | 81 402 920 | 1 | Purchased communication services | 1 081 629 | 1 |
| Cost of selected power, fuels, and lubricants | 3 704 433 | 1 | Cost of repairs to buildings and other structures | 175 908 | 2 |
| Cost of electricity | 686 930 | 2 | Cost of repairs to machinery and equipment | 1 782 192 | 1 |
| Cost of natural gas and manufactured gas | 152 620 | 2 | Value of construction work | 206 100 592 | Z |
| Cost of gasoline and diesel fuel | 2 667 512 | 1 | Value of construction work on government owned projects | 44 799 028 | 1 |
| Cost of on-highway use of gasoline and diesel fuel | 1 929 516 | 1 | Value of construction work on federally owned projects | 9 774 874 | 2 |
| Cost of off-highway use of gasoline and diesel fuel | 737 997 | 1 | Value of construction work on state and locally owned projects | 35 024 156 | 1 |
| Cost of all other fuels and lubricants | 197 370 | 2 | Value of construction work on privately owned projects | 161 301 568 | Z |
| Rental cost for machinery, equipment, and buildings | 4 166 727 | 1 | Beginning-of-year gross book value of depreciable assets | 22 859 498 | 1 |
| Rental cost for machinery and equipment | 3 011 208 | 1 | Capital expenditures, other than land | 3 384 168 | 2 |
| Rental cost for buildings | 1 155 519 | 1 | Retirements and disposition of depreciable assets | 1 051 467 | 2 |
| Selected purchased services | 4 697 157 | 1 | End-of-year gross book value of depreciable assets | 25 192 198 | 1 |
| Purchased communication services | 1 615 227 | 1 | Depreciation charges during year | 2 650 255 | 1 |
| Cost of repairs to buildings and other structures | 304 653 | 2 | Number of establishments with inventories | 38 607 | 1 |
| Cost of repairs to machinery and equipment | 2 777 277 | 1 | Value of construction work for establishments with inventories .. | 76 991 096 | 1 |
| Value of construction work | 294 636 064 | Z | End of 1997, inventories of materials and supplies | 2 675 626 | 2 |
| Value of construction work on government owned projects | 61 938 568 | 1 | End of 1996, inventories of materials and supplies | 2 398 616 | 2 |
| Value of construction work on federally owned projects | 15 703 294 | 1 | Number of establishments with no inventories | 56 763 | 1 |
| Value of construction work on state and locally owned projects | 46 235 276 | 1 | Value of construction work for establishments with no inventories | 87 136 000 | 1 |
| Value of construction work on privately owned projects | 232 697 488 | Z | Number of establishments not reporting inventories | 53 893 | 1 |
| | | | Value of construction work for establishments not reporting inventories | 41 973 504 | 1 |

Table 4. Selected Statistics for Establishments With Payroll by Employment Size Class: 1997

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Employment size class | Number of establishments | Total number of employees | Total payroll | Dollar value of business done | Value of construction work | Net value of construction work | Value added | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted out to others | Relative standard error of estimate (percent) for column— | |
|---------------------------------------------------|--------------------------|---------------------------|--------------------|-------------------------------|----------------------------|--------------------------------|--------------------|----------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------|----------|
| | A | B | C | D | E | F | G | H | I | B | F |
| UNITED STATES | | | | | | | | | | | |
| Total | 656 448 | 5 664 853 | 174 184 608 | 858 581 056 | 845 543 552 | 612 209 024 | 383 845 728 | 241 400 736 | 233 334 544 | Z | Z |
| Establishments with 1 to 4 employees | 409 256 | 762 232 | 15 406 230 | 106 557 544 | 105 143 856 | 82 240 032 | 49 585 024 | 34 068 700 | 22 903 822 | Z | 1 |
| Establishments with 5 to 9 employees | 123 389 | 789 923 | 19 209 402 | 96 797 040 | 95 321 216 | 74 545 680 | 46 457 636 | 29 563 874 | 20 775 530 | 1 | 1 |
| Establishments with 10 to 19 employees | 67 093 | 890 450 | 25 542 146 | 117 789 056 | 116 063 800 | 88 685 656 | 55 495 568 | 34 915 348 | 27 378 142 | 1 | 1 |
| Establishments with 20 to 49 employees | 39 806 | 1 179 078 | 38 568 752 | 176 116 288 | 173 513 904 | 126 671 672 | 79 552 960 | 49 721 096 | 46 842 228 | 1 | 1 |
| Establishments with 50 to 99 employees | 10 958 | 741 261 | 26 508 620 | 126 303 032 | 124 349 232 | 86 353 424 | 54 062 140 | 34 245 076 | 37 995 812 | 1 | 1 |
| Establishments with 100 to 249 employees | 4 717 | 688 240 | 25 620 702 | 127 380 248 | 125 648 232 | 83 314 696 | 52 416 140 | 32 630 574 | 42 333 536 | 1 | 1 |
| Establishments with 250 to 499 employees | 914 | 306 004 | 11 516 013 | 56 193 544 | 55 121 620 | 37 058 052 | 23 877 742 | 14 252 235 | 18 063 570 | Z | Z |
| Establishments with 500 to 999 employees | 242 | 160 129 | 6 228 377 | 31 687 076 | 31 044 444 | 20 598 674 | 13 406 742 | 7 834 564 | 10 445 771 | Z | Z |
| Establishments with 1,000 employees or more | 75 | 147 535 | 5 584 369 | 19 757 200 | 19 337 270 | 12 741 132 | 8 991 792 | 4 169 269 | 6 596 139 | Z | Z |

Table 5. Selected Statistics for Establishments With Payroll by Dollar Value of Business Done Size Class: 1997

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Dollar value size class | Number of establishments | Total number of employees | Total payroll | Dollar value of business done | Value of construction work | Net value of construction work | Value added | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted out to others | Relative standard error of estimate (percent) for column— | |
|-----------------------------------------------------------------------------|--------------------------|---------------------------|--------------------|-------------------------------|----------------------------|--------------------------------|--------------------|----------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------|----------|
| | A | B | C | D | E | F | G | H | I | B | F |
| UNITED STATES | | | | | | | | | | | |
| Total | 656 448 | 5 664 853 | 174 184 608 | 858 581 056 | 845 543 552 | 612 209 024 | 383 845 728 | 241 400 736 | 233 334 544 | Z | Z |
| Establishments with value of business done less than \$25,000 | 29 127 | S | S | S | S | S | S | S | S | S | S |
| Establishments with value of business done \$25,000 to \$49,999 | 37 884 | S | S | S | S | S | S | S | S | S | S |
| Establishments with value of business done \$50,000 to \$99,999 | 79 785 | 117 939 | 1 529 196 | S | S | S | S | S | S | 2 | S |
| Establishments with value of business done \$100,000 to \$249,999 | 166 948 | 408 262 | 6 841 333 | 27 395 154 | 27 107 468 | 24 875 938 | 16 132 885 | 9 030 740 | S | 1 | 1 |
| Establishments with value of business done \$250,000 to \$499,999 | 118 463 | 500 198 | 10 325 607 | 41 749 636 | 41 234 828 | 36 877 732 | 23 276 192 | 14 116 352 | 4 357 095 | 1 | 1 |
| Establishments with value of business done \$500,000 to \$999,999 | 89 765 | 642 336 | 15 578 351 | 62 962 584 | 62 050 532 | 53 359 228 | 33 760 920 | 20 510 356 | 8 691 306 | 1 | 1 |
| Establishments with value of business done \$1,000,000 to \$2,499,999 | 75 105 | 959 753 | 27 599 026 | 116 370 376 | 114 529 144 | 94 689 632 | 59 117 136 | 37 413 720 | 19 839 514 | 1 | 1 |
| Establishments with value of business done \$2,500,000 to \$4,999,999 | 30 250 | 733 114 | 24 031 704 | 104 410 392 | 102 717 872 | 81 919 696 | 50 707 172 | 32 905 052 | 20 798 170 | 1 | 1 |
| Establishments with value of business done \$5,000,000 to \$9,999,999 | 16 021 | 664 812 | 23 738 930 | 110 214 360 | 108 341 280 | 81 172 904 | 50 058 408 | 32 987 578 | 27 168 372 | 1 | 1 |
| Establishments with value of business done \$10,000,000 or more | 13 101 | 1 586 151 | 64 027 308 | 387 761 664 | 381 915 712 | 232 216 112 | 146 010 656 | 92 051 408 | 149 699 600 | Z | Z |

Table 6. Value of Construction Work for Establishments With Payroll by Geographic Location of Construction Work: 1997

[Thousand dollars unless otherwise noted. This table presents selected statistics for establishments according to the geographic location of construction work. Data are not shown for those geographic locations in which construction work is relatively insignificant. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Geographic location of construction work | Value of construction work | Relative standard error of estimate (percent) |
|------------------------------------------------------|----------------------------|-----------------------------------------------|
| Total | 845 543 552 | Z |
| Construction work done in Alabama | 11 831 782 | 2 |
| Construction work done in Alaska | 2 951 042 | 2 |
| Construction work done in Arizona | 19 818 050 | 1 |
| Construction work done in Arkansas | 5 299 783 | 5 |
| Construction work done in California | 91 284 281 | Z |
| Construction work done in Colorado | 18 755 769 | 1 |
| Construction work done in Connecticut | 10 203 546 | 1 |
| Construction work done in Delaware | 3 512 877 | 4 |
| Construction work done in District of Columbia | 3 318 660 | 1 |
| Construction work done in Florida | 51 204 302 | 1 |
| Construction work done in Georgia | 27 519 944 | 1 |
| Construction work done in Hawaii | 4 441 264 | 1 |
| Construction work done in Idaho | 4 758 411 | 2 |
| Construction work done in Illinois | 39 077 115 | 1 |
| Construction work done in Indiana | 19 124 919 | 2 |
| Construction work done in Iowa | 8 093 296 | 2 |
| Construction work done in Kansas | 8 528 799 | 2 |
| Construction work done in Kentucky | 10 408 841 | 3 |
| Construction work done in Louisiana | 11 460 359 | 1 |
| Construction work done in Maine | 2 842 765 | 3 |
| Construction work done in Maryland | 18 340 057 | 1 |
| Construction work done in Massachusetts | 19 596 316 | 1 |
| Construction work done in Michigan | 30 784 553 | 1 |
| Construction work done in Minnesota | 16 355 008 | 1 |
| Construction work done in Mississippi | 6 496 741 | 2 |
| Construction work done in Missouri | 16 548 981 | 2 |
| Construction work done in Montana | 2 297 045 | 3 |
| Construction work done in Nebraska | 5 362 569 | 2 |
| Construction work done in Nevada | 14 269 800 | 1 |
| Construction work done in New Hampshire | 3 153 800 | 3 |
| Construction work done in New Jersey | 24 307 407 | 1 |
| Construction work done in New Mexico | 5 168 233 | 2 |
| Construction work done in New York | 44 092 425 | 2 |
| Construction work done in North Carolina | 27 795 455 | 1 |
| Construction work done in North Dakota | 1 854 198 | 2 |
| Construction work done in Ohio | 32 568 900 | 1 |
| Construction work done in Oklahoma | 6 108 064 | 2 |
| Construction work done in Oregon | 13 403 220 | 1 |
| Construction work done in Pennsylvania | 31 466 614 | 1 |
| Construction work done in Rhode Island | 3 194 386 | 2 |
| Construction work done in South Carolina | 12 475 285 | 2 |
| Construction work done in South Dakota | 2 040 811 | 3 |
| Construction work done in Tennessee | 16 581 217 | 1 |
| Construction work done in Texas | 59 729 934 | 1 |
| Construction work done in Utah | 8 167 423 | 3 |
| Construction work done in Vermont | 1 471 688 | 3 |
| Construction work done in Virginia | 25 126 433 | 1 |
| Construction work done in Washington | 21 014 074 | 1 |
| Construction work done in West Virginia | 3 735 889 | 2 |
| Construction work done in Wisconsin | 15 824 673 | 1 |
| Construction work done in Wyoming | 1 776 595 | 3 |

Table 7. Value of Construction Work for Establishments With Payroll by Geographic Area and Type of Construction: 1997

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Type of construction | Value of construction work | | | | Relative standard error of estimate (percent) for column— | | | |
|------------------------------------------------------------------------------------------|----------------------------|--------------------|-------------------------------------------|------------------------|-----------------------------------------------------------|----------|----------|----------|
| | Total | New construction | Additions, alterations, or reconstruction | Maintenance and repair | A | B | C | D |
| | A | B | C | D | A | B | C | D |
| UNITED STATES | | | | | | | | |
| Total | 845 543 552 | 541 833 012 | 199 503 366 | 95 552 166 | Z | Z | Z | 1 |
| Building construction, total | 667 892 335 | 441 085 796 | 160 098 787 | 66 707 752 | Z | Z | Z | 1 |
| Single-family houses, detached and attached | 238 301 608 | 179 325 838 | 38 743 071 | 20 232 700 | 1 | 1 | 1 | 1 |
| Single-family houses, detached | 208 636 594 | 157 912 589 | 33 607 561 | 17 116 443 | 1 | 1 | 1 | 1 |
| Single-family houses, attached | 29 665 014 | 21 413 248 | 5 135 510 | 3 116 256 | 1 | 1 | 2 | 2 |
| Apartment buildings, apartment type condominiums and cooperatives | 35 912 059 | 23 549 029 | 7 294 218 | 5 068 813 | 1 | 2 | 2 | 2 |
| All other residential buildings | 1 450 935 | 879 677 | 4 409 889 | 161 370 | 4 | 3 | 8 | 12 |
| Manufacturing and light industrial buildings | 64 026 464 | 33 796 938 | 18 857 654 | 11 371 872 | 1 | 1 | 1 | 1 |
| Manufacturing and light industrial warehouses | 20 252 089 | 13 494 830 | 4 676 949 | 2 080 311 | 2 | 2 | 2 | 2 |
| Hotels and motels | 17 209 304 | 12 623 672 | 3 254 698 | 1 330 934 | 1 | 1 | 4 | 4 |
| Office buildings | 80 588 781 | 44 449 862 | 27 694 812 | 8 444 108 | 1 | 1 | 1 | 1 |
| All other commercial buildings, nec | 69 545 794 | 43 566 415 | 18 638 395 | 7 340 984 | 1 | 1 | 1 | 2 |
| Commercial warehouses | 16 628 141 | 11 912 121 | 3 298 378 | 1 417 642 | 2 | 2 | 4 | 3 |
| Religious buildings | 9 400 127 | 5 343 590 | 2 969 442 | 1 087 095 | 2 | 2 | 2 | 3 |
| Educational buildings | 46 826 417 | 28 102 206 | 15 751 455 | 2 972 756 | 1 | 2 | 1 | 2 |
| Health care and institutional buildings | 33 942 469 | 19 754 714 | 11 763 387 | 2 424 369 | 1 | 1 | 1 | 2 |
| Public safety buildings | 10 119 930 | 7 346 218 | 2 200 704 | 573 078 | 1 | 1 | 1 | 3 |
| Farm buildings, nonresidential | 3 473 574 | 2 508 098 | 530 901 | 434 575 | 4 | 4 | 6 | 5 |
| Amusement, social, and recreational buildings | 10 429 599 | 7 893 895 | 2 073 509 | 462 196 | 1 | 1 | 5 | 5 |
| Other building construction | 9 785 043 | 6 538 695 | 1 941 327 | 1 305 021 | 2 | 2 | 4 | 4 |
| Nonbuilding construction, total | 168 996 209 | 100 747 216 | 39 404 579 | 28 844 413 | Z | 1 | 1 | 1 |
| Highways, streets, and related work | 49 304 103 | 25 570 349 | 15 598 033 | 8 135 720 | 1 | 1 | 1 | 2 |
| Airport runways and related work | 1 947 184 | 1 021 618 | 717 990 | 207 577 | 6 | 9 | 5 | 7 |
| Private driveways and parking areas | 9 774 722 | 5 599 184 | 2 073 402 | 2 102 136 | 2 | 3 | 6 | 4 |
| Bridges, tunnels, and elevated highways | 12 486 792 | 7 835 212 | 3 537 801 | 1 113 779 | 1 | 2 | 2 | 4 |
| Bridges and elevated highways | 10 227 901 | 6 022 682 | 3 223 905 | 981 314 | 2 | 2 | 2 | 3 |
| Tunnels | 2 258 891 | 1 812 530 | 313 896 | 132 465 | 2 | 2 | 2 | 19 |
| Sewers, water mains, and related facilities | 23 818 434 | 17 567 736 | 3 632 776 | 2 617 922 | 2 | 2 | 4 | 4 |
| Sewers, sewer lines, septic systems, and related facilities | 13 522 245 | 10 003 779 | 2 224 809 | 1 293 657 | 2 | 2 | 4 | 4 |
| Water mains and related facilities | 10 296 189 | 7 563 957 | 1 407 967 | 1 324 265 | 2 | 2 | 5 | 6 |
| Pipeline construction other than sewer or water lines | 6 350 283 | 3 915 667 | 1 417 966 | 1 262 850 | 3 | 3 | 4 | 5 |
| Power and communication transmission lines, cables, towers, and related facilities | 13 111 959 | 8 226 081 | 2 608 115 | 2 277 763 | 2 | 2 | 4 | 5 |
| Power plants | 4 515 905 | 1 975 869 | 804 383 | 1 735 653 | 1 | 1 | 2 | 5 |
| Power and cogeneration plants, except hydroelectric | 3 382 836 | 1 324 325 | 649 117 | 1 409 394 | 1 | 1 | 1 | 1 |
| Power plants, hydroelectric | 1 133 069 | 651 544 | 155 266 | 326 259 | 8 | 3 | 7 | 25 |
| Blast furnaces, petroleum refineries, chemical complexes, etc. | 10 618 146 | 3 903 304 | 2 120 426 | 4 594 417 | 1 | 2 | 1 | 1 |
| Sewage and water treatment plants | 9 670 782 | 6 139 478 | 2 989 494 | 541 809 | 2 | 2 | 4 | 4 |
| Sewage treatment plants | 5 215 389 | 3 215 116 | 1 707 411 | 292 862 | 3 | 2 | 6 | 5 |
| Water treatment plants | 4 455 392 | 2 924 362 | 1 282 083 | 248 947 | 3 | 4 | 3 | 5 |
| Mass transit construction | 2 904 305 | 1 698 944 | 710 531 | 494 829 | 3 | 4 | 4 | 6 |
| Urban mass transit construction | 1 266 643 | 857 069 | 301 231 | 108 343 | 1 | 1 | 2 | 3 |
| Railroad construction | 1 637 662 | 841 875 | 409 301 | 386 486 | 6 | 8 | 7 | 8 |
| Conservation and development construction | 3 431 824 | 2 487 509 | 424 100 | 520 215 | 3 | 4 | 6 | 10 |
| Dam and reservoir construction | 938 805 | 746 106 | 98 226 | 94 473 | 5 | 4 | 18 | 9 |
| Dry/solid waste disposal | 1 319 655 | 896 826 | 265 474 | 157 355 | 4 | 4 | 4 | 13 |
| Harbor and port facilities | 894 744 | 655 189 | 162 696 | 76 859 | 5 | 6 | 7 | 11 |
| Marine construction | 2 397 679 | 1 250 811 | 389 426 | 757 443 | 3 | 3 | 3 | 7 |
| Outdoor swimming pools | 3 223 519 | 2 495 059 | 345 186 | 383 274 | 3 | 3 | 3 | 8 |
| Water storage facilities | 947 680 | 605 164 | 84 732 | 257 783 | 8 | 12 | 9 | 6 |
| Tank storage facilities other than water | 863 577 | 458 145 | 138 256 | 267 175 | 4 | 4 | 11 | 10 |
| Fencing | 2 504 583 | 1 849 077 | 367 707 | 287 799 | 2 | 2 | 3 | 4 |
| Recreational facilities | 2 998 792 | 2 305 369 | 471 660 | 221 762 | 5 | 5 | 8 | 10 |
| Billboards | 50 759 | 47 616 | D | D | 27 | 29 | D | D |
| Heavy military construction | 37 497 | 31 519 | D | D | 1 | 1 | D | D |
| Ships | 308 475 | 125 829 | 44 165 | 138 481 | 7 | 1 | 4 | 15 |
| Oilfields | 422 595 | 186 429 | 63 495 | 172 671 | 12 | 7 | 10 | 26 |
| Other nonbuilding construction, nec | 4 153 411 | 3 153 125 | 577 795 | 422 490 | 2 | 2 | 4 | 7 |
| Construction work, nsk | 8 654 822 | X | X | X | 1 | X | X | X |
| Northeast | | | | | | | | |
| Total | 143 416 704 | 75 709 031 | 47 225 147 | 19 002 125 | 1 | 1 | 1 | 1 |
| Building construction, total | 114 550 714 | 61 638 403 | 38 682 611 | 14 229 699 | 1 | 1 | 1 | 1 |
| Single-family houses, detached and attached | 33 390 774 | 21 353 228 | 8 110 557 | 3 926 988 | 2 | 2 | 3 | 3 |
| Single-family houses, detached | 29 304 397 | 18 772 133 | 7 165 276 | 3 366 988 | 2 | 3 | 3 | 3 |
| Single-family houses, attached | 4 086 377 | 2 581 095 | 945 281 | 560 000 | 2 | 3 | 3 | 5 |
| Apartment buildings, apartment type condominiums and cooperatives | 6 792 548 | 3 020 707 | 2 338 623 | 1 433 218 | 2 | 3 | 4 | 4 |
| All other residential buildings | 194 851 | 96 982 | 61 320 | 36 550 | 7 | 11 | 6 | 20 |
| Manufacturing and light industrial buildings | 10 582 581 | 4 601 673 | 3 964 725 | 2 016 184 | 2 | 2 | 2 | 3 |
| Manufacturing and light industrial warehouses | 3 034 256 | 1 725 600 | 918 682 | 389 974 | 3 | 4 | 4 | 4 |
| Hotels and motels | 2 905 562 | 2 118 378 | 552 064 | 235 121 | 1 | 1 | 4 | 4 |
| Office buildings | 18 254 802 | 7 394 081 | 8 494 958 | 2 365 764 | 1 | 1 | 2 | 3 |
| All other commercial buildings, nec | 12 565 856 | 6 637 924 | 4 331 737 | 1 996 195 | 2 | 2 | 4 | 4 |
| Commercial warehouses | 2 400 908 | 1 499 852 | 648 143 | 252 913 | 3 | 4 | 7 | 6 |
| Religious buildings | 1 348 655 | 530 739 | 539 552 | 278 365 | 3 | 4 | 4 | 6 |
| Educational buildings | 9 726 636 | 4 946 851 | 4 114 060 | 665 725 | 2 | 2 | 2 | 3 |
| Health care and institutional buildings | 7 175 532 | 3 598 754 | 3 033 203 | 543 575 | 2 | 2 | 2 | 6 |
| Public safety buildings | 2 134 622 | 1 386 588 | 593 033 | 155 002 | 3 | 4 | 6 | 6 |
| Farm buildings, nonresidential | 297 071 | 180 313 | S | 63 762 | 8 | 11 | S | 10 |
| Amusement, social, and recreational buildings | 1 941 746 | 1 365 768 | 474 866 | 101 112 | 5 | 2 | 17 | 14 |
| Other building construction | 1 804 313 | 1 180 965 | 454 095 | 169 253 | 6 | 5 | 15 | 15 |
| Nonbuilding construction, total | 27 385 590 | 14 070 628 | 8 542 536 | 4 772 426 | 1 | 1 | 2 | 2 |
| Highways, streets, and related work | 7 708 988 | 3 305 176 | 3 000 475 | 1 403 337 | 2 | 3 | 3 | 5 |
| Airport runways and related work | 292 652 | 158 123 | 107 196 | 27 333 | 7 | 12 | 9 | 6 |
| Private driveways and parking areas | 1 562 938 | 847 299 | 373 805 | 341 834 | 6 | 6 | 9 | 12 |
| Bridges, tunnels, and elevated highways | 3 376 769 | 1 451 905 | 1 550 901 | 373 962 | 3 | 3 | 2 | 6 |
| Bridges and elevated highways | 2 417 211 | 767 510 | 1 340 178 | 309 524 | 3 | 5 | 3 | 2 |
| Tunnels | 959 558 | 684 396 | 210 724 | 64 439 | 3 | 1 | 2 | 37 |
| Sewers, water mains, and related facilities | 3 320 057 | 2 038 978 | 738 570 | 542 509 | 3 | 4 | 6 | 6 |
| Sewers, sewer lines, septic systems, and related facilities | 1 880 996 | 1 223 603 | 428 244 | 229 149 | 3 | 4 | 6 | 8 |
| Water mains and related facilities | 1 439 061 | 815 375 | 310 326 | 313 359 | 3 | 4 | 12 | 6 |
| Pipeline construction other than sewer or water lines | 844 956 | 493 353 | 195 477 | 156 127 | 8 | 11 | 13 | 7 |

Table 7. Value of Construction Work for Establishments With Payroll by Geographic Area and Type of Construction: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Type of construction | Value of construction work | | | | Relative standard error of estimate (percent) for column— | | | |
|------------------------------------------------------------------------------------------|----------------------------|--------------------|-------------------------------------------|------------------------|-----------------------------------------------------------|----------|----------|----------|
| | Total | New construction | Additions, alterations, or reconstruction | Maintenance and repair | A | B | C | D |
| | A | B | C | D | A | B | C | D |
| UNITED STATES—Con. | | | | | | | | |
| Northeast—Con. | | | | | | | | |
| Nonbuilding construction, total—Con. | | | | | | | | |
| Power and communication transmission lines, cables, towers, and related facilities | 1 910 778 | 1 140 980 | 437 242 | 332 556 | 4 | 5 | 6 | 5 |
| Power plants | 893 975 | 212 785 | 111 440 | 569 750 | 1 | 2 | 3 | 1 |
| Power and cogeneration plants, except hydroelectric | 809 818 | 191 397 | 92 667 | 525 753 | 1 | 1 | 3 | 1 |
| Power plants, hydroelectric | 84 157 | 21 387 | 18 773 | 43 997 | 7 | 11 | 5 | 10 |
| Blast furnaces, petroleum refineries, chemical complexes, etc | 1 129 132 | 532 681 | 271 609 | 324 842 | 5 | 9 | 3 | 3 |
| Sewage and water treatment plants | 1 860 256 | 1 001 553 | 764 050 | 94 654 | 7 | 9 | 8 | 11 |
| Sewage treatment plants | 938 433 | 477 514 | 418 182 | 42 737 | 7 | 7 | 13 | 13 |
| Water treatment plants | 921 823 | 524 039 | 345 868 | 51 916 | 9 | 15 | 5 | 13 |
| Mass transit construction | 1 095 879 | 620 713 | 391 945 | 83 221 | 3 | 3 | 6 | 9 |
| Urban mass transit construction | 647 551 | 352 085 | 239 894 | 55 572 | 2 | 3 | 2 | 1 |
| Railroad construction | 448 328 | 268 628 | 152 051 | 27 649 | 8 | 6 | 15 | 27 |
| Conservation and development construction | 383 931 | 286 650 | 52 934 | 44 347 | 10 | 11 | 15 | 9 |
| Dam and reservoir construction | 79 712 | 49 312 | 13 396 | \$17 004 | 35 | 36 | 32 | 40 |
| Dry/solid waste disposal | 369 323 | 228 020 | 79 450 | 61 853 | 4 | 1 | 1 | 23 |
| Harbor and port facilities | 97 480 | 36 461 | 31 568 | 29 451 | 10 | 10 | 10 | 25 |
| Marine construction | 255 647 | 191 631 | 28 858 | 35 158 | 6 | 6 | 13 | 20 |
| Outdoor swimming pools | 456 891 | 349 760 | 44 066 | 63 065 | 6 | 7 | 7 | 7 |
| Water storage facilities | S | S | 18 468 | 31 453 | S | S | 39 | 22 |
| Tank storage facilities other than water | 136 395 | 37 529 | 29 356 | 69 509 | 13 | 14 | 14 | 21 |
| Fencing | 414 719 | 309 861 | 53 304 | 51 554 | 4 | 4 | 7 | 6 |
| Recreational facilities | 357 054 | 214 846 | 100 045 | 42 163 | 10 | 10 | 19 | 32 |
| Heavy military construction | D | D | — | — | D | D | — | — |
| Ships | D | D | S | \$1 141 | D | D | S | 54 |
| Oilfields | \$10 558 | \$7 116 | 1 793 | \$1 649 | 42 | 58 | 31 | 41 |
| Other nonbuilding construction, nec | 667 600 | 449 695 | 143 953 | 73 952 | 5 | 4 | 6 | 27 |
| Construction work, nsk | 1 480 411 | X | X | X | 3 | X | X | X |
| Midwest | | | | | | | | |
| Total | 201 390 192 | 124 956 257 | 50 118 484 | 24 741 831 | Z | 1 | 1 | 1 |
| Building construction, total | | | | | | | | |
| Single-family houses, detached and attached | 53 833 933 | 38 958 807 | 9 656 226 | 5 218 899 | 1 | 1 | 1 | 2 |
| Single-family houses, detached | 45 147 441 | 32 478 358 | 8 219 880 | 4 449 202 | 1 | 1 | 2 | 2 |
| Single-family houses, attached | 8 686 491 | 6 480 448 | 1 436 346 | 769 697 | 3 | 3 | 4 | 5 |
| Apartment buildings, apartment type condominiums and cooperatives | 7 209 912 | 4 935 375 | 1 317 092 | 957 444 | 2 | 3 | 3 | 3 |
| All other residential buildings | 244 676 | 144 642 | 75 448 | 24 586 | 11 | 14 | 21 | 14 |
| Manufacturing and light industrial buildings | 20 345 765 | 9 903 563 | 6 734 854 | 3 707 348 | 1 | 1 | 1 | 2 |
| Manufacturing and light industrial warehouses | 6 825 379 | 4 550 954 | 1 615 813 | 658 612 | 4 | 5 | 3 | 3 |
| Hotels and motels | 3 084 878 | 2 277 278 | 505 195 | 302 405 | 6 | 3 | 16 | 13 |
| Office buildings | 15 997 117 | 9 507 477 | 4 824 179 | 1 665 460 | 2 | 3 | 2 | 2 |
| All other commercial buildings, nec | 16 070 258 | 9 829 218 | 4 397 665 | 1 843 375 | 1 | 2 | 2 | 3 |
| Commercial warehouses | 4 078 833 | 2 878 960 | 804 428 | 395 445 | 2 | 2 | 4 | 5 |
| Religious buildings | 2 571 423 | 1 357 789 | 879 028 | 334 606 | 2 | 3 | 3 | 6 |
| Educational buildings | 11 876 924 | 6 844 123 | 4 204 103 | 828 697 | 2 | 3 | 2 | 3 |
| Health care and institutional buildings | 9 171 992 | 5 303 575 | 3 162 981 | 705 437 | 1 | 1 | 2 | 3 |
| Public safety buildings | 2 189 952 | 1 519 131 | 521 041 | 149 781 | 2 | 2 | 5 | 3 |
| Farm buildings, nonresidential | 1 558 036 | 1 148 443 | 224 798 | 184 796 | 5 | 5 | 10 | 7 |
| Amusement, social, and recreational buildings | 1 918 469 | 1 400 700 | 425 435 | 92 333 | 2 | 2 | 4 | 6 |
| Other building construction | 1 673 473 | 1 177 131 | 358 286 | 138 056 | 4 | 5 | 6 | 16 |
| Nonbuilding construction, total | | | | | | | | |
| Highways, streets, and related work | 41 165 552 | 23 219 090 | 10 411 912 | 7 534 550 | 1 | 1 | 2 | 3 |
| Airport runways and related work | 13 128 681 | 6 230 032 | 4 428 235 | 2 470 414 | 2 | 3 | 3 | 5 |
| Private driveways and parking areas | 530 709 | 308 515 | 176 363 | 45 831 | 11 | 14 | 11 | 20 |
| Bridges, tunnels, and elevated highways | 3 170 991 | 1 765 960 | 699 929 | 705 102 | 5 | 6 | 7 | 7 |
| Bridges and elevated highways | 3 205 355 | 1 976 108 | 865 843 | 363 404 | 2 | 3 | 2 | 3 |
| Tunnels | 2 842 217 | 1 672 168 | 828 614 | 341 435 | 2 | 3 | 2 | 3 |
| Sewers, water mains, and related facilities | 363 138 | 303 940 | 37 229 | 21 969 | 7 | 7 | 8 | 23 |
| Sewers, sewer lines, septic systems, and related facilities | 6 451 305 | 4 672 694 | 1 049 384 | 729 226 | 3 | 3 | 6 | 11 |
| Water mains and related facilities | 3 843 462 | 2 826 498 | 658 113 | 358 852 | 3 | 3 | 6 | 8 |
| Pipeline construction other than sewer or water lines | 2 607 842 | 1 846 197 | 391 272 | 370 374 | 4 | 4 | 8 | 19 |
| Power and communication transmission lines, cables, towers, and related facilities | 1 081 620 | 534 709 | 185 964 | 360 946 | 7 | 5 | 14 | 15 |
| Power plants | 3 143 134 | 1 898 031 | 739 186 | 505 917 | 7 | 5 | 9 | 20 |
| Power and cogeneration plants, except hydroelectric | 758 220 | 248 272 | 186 630 | 323 318 | 1 | 2 | 1 | 1 |
| Power plants, hydroelectric | 651 028 | 204 084 | 163 799 | 283 145 | 1 | 3 | 1 | 1 |
| Blast furnaces, petroleum refineries, chemical complexes, etc | 107 192 | 44 188 | 22 831 | 40 174 | 4 | 4 | 7 | 8 |
| Sewage and water treatment plants | 1 867 620 | 465 581 | 474 722 | 927 318 | 1 | 2 | 3 | 1 |
| Sewage treatment plants | 2 736 764 | 1 811 497 | 777 525 | 147 741 | 2 | 2 | 8 | 7 |
| Water treatment plants | 1 466 665 | 923 565 | 453 999 | 89 101 | 4 | 2 | 11 | 10 |
| Mass transit construction | 1 270 099 | 887 932 | 323 526 | 58 640 | 2 | 3 | 5 | 6 |
| Urban mass transit construction | 643 739 | 323 881 | 161 988 | 157 871 | 3 | 3 | 6 | 6 |
| Railroad construction | 80 237 | 53 681 | S | 903 | 4 | Z | S | 2 |
| Conservation and development construction | 563 501 | 270 200 | 136 334 | 156 968 | 5 | 4 | 7 | 6 |
| Dam and reservoir construction | 762 550 | 530 806 | 123 540 | 108 203 | 8 | 9 | 14 | 15 |
| Dry/solid waste disposal | 78 977 | 40 902 | \$27 707 | 10 369 | 23 | 19 | 55 | 23 |
| Harbor and port facilities | 266 835 | 174 580 | 60 343 | 31 912 | 8 | 11 | 17 | 3 |
| Marine construction | 48 660 | 35 786 | 6 953 | S | 31 | 39 | 11 | S |
| Outdoor swimming pools | 564 034 | 244 332 | 34 570 | 285 132 | 3 | 4 | 10 | 5 |
| Water storage facilities | 319 601 | 232 726 | 43 928 | 42 946 | 10 | 9 | 23 | 13 |
| Tank storage facilities other than water | 269 738 | 185 489 | 25 225 | 59 023 | 8 | 10 | 10 | 11 |
| Fencing | 174 022 | 88 778 | 27 297 | 57 947 | 13 | 11 | 15 | 33 |
| Recreational facilities | 431 277 | 325 803 | 58 346 | 47 128 | 5 | 5 | 7 | 6 |
| Billboards | 664 080 | 517 661 | 100 670 | 45 749 | 9 | 10 | 9 | 12 |
| Heavy military construction | D | D | — | D | 32 | D | — | D |
| Ships | D | D | D | D | D | D | D | D |
| Oilfields | 43 163 | \$22 098 | 4 364 | \$16 701 | 37 | 43 | 37 | 47 |
| Other nonbuilding construction, nec | 762 532 | 525 880 | 152 448 | 84 204 | 3 | 2 | 6 | 11 |
| Construction work, nsk | 1 573 533 | X | X | X | 2 | X | X | X |

Table 7. Value of Construction Work for Establishments With Payroll by Geographic Area and Type of Construction: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Type of construction | Value of construction work | | | | Relative standard error of estimate (percent) for column— | | | |
|------------------------------------------------------------------------------------------|----------------------------|--------------------|-------------------------------------------|------------------------|-----------------------------------------------------------|----------|----------|----------|
| | Total | New construction | Additions, alterations, or reconstruction | Maintenance and repair | A | B | C | D |
| | A | B | C | D | A | B | C | D |
| UNITED STATES—Con. | | | | | | | | |
| South | | | | | | | | |
| Total | 294 636 064 | 199 777 758 | 58 845 487 | 32 962 825 | Z | 1 | 1 | 1 |
| Building construction, total | 229 801 000 | 161 014 229 | 46 788 740 | 21 998 031 | Z | 1 | 1 | 1 |
| Single-family houses, detached and attached | 83 894 701 | 66 017 870 | 11 198 818 | 6 678 013 | 1 | 1 | 2 | 3 |
| Single-family houses, detached | 74 615 340 | 59 110 291 | 9 817 716 | 5 687 334 | 1 | 1 | 2 | 3 |
| Single-family houses, attached | 9 279 361 | 6 907 580 | 1 381 101 | 990 679 | 2 | 2 | 4 | 4 |
| Apartment buildings, apartment type condominiums and cooperatives | 13 425 146 | 9 679 705 | 2 136 636 | 1 608 805 | 3 | 4 | 5 | 4 |
| All other residential buildings | 553 268 | 373 872 | 123 283 | 56 113 | 6 | 4 | 14 | 21 |
| Manufacturing and light industrial buildings | 19 050 234 | 10 219 135 | 4 779 694 | 4 051 405 | 1 | 1 | 2 | 2 |
| Manufacturing and light industrial warehouses | 6 064 446 | 4 231 672 | 1 212 149 | 620 625 | 3 | 3 | 3 | 5 |
| Hotels and motels | 5 781 393 | 4 202 038 | 1 136 776 | 442 579 | 3 | 2 | 8 | 4 |
| Office buildings | 27 062 275 | 16 141 975 | 8 233 658 | 2 686 642 | 1 | 1 | 2 | 2 |
| All other commercial buildings, nec | 24 678 078 | 16 771 875 | 5 509 675 | 2 396 528 | 2 | 2 | 3 | 3 |
| Commercial warehouses | 5 627 487 | 4 150 277 | 1 027 871 | 449 339 | 4 | 4 | 8 | 7 |
| Religious buildings | 4 156 019 | 2 722 947 | 1 106 427 | 326 645 | 3 | 4 | 4 | 4 |
| Educational buildings | 15 749 219 | 10 556 575 | 4 348 666 | 843 977 | 3 | 4 | 2 | 4 |
| Health care and institutional buildings | 12 010 633 | 7 409 749 | 3 852 706 | 748 178 | 1 | 1 | 2 | 4 |
| Public safety buildings | 3 484 524 | 2 665 738 | 660 353 | 158 433 | 3 | 3 | 5 | 6 |
| Farm buildings, nonresidential | 1 084 727 | 798 042 | 164 109 | 122 575 | 10 | 11 | 14 | 14 |
| Amusement, social, and recreational buildings | 3 567 082 | 2 777 176 | 625 841 | 164 064 | 2 | 2 | 6 | 5 |
| Other building construction | 3 111 768 | 2 295 582 | 672 077 | 644 109 | 3 | 4 | 4 | 4 |
| Nonbuilding construction, total | 61 785 070 | 38 763 529 | 12 056 747 | 10 964 794 | 1 | 1 | 2 | 2 |
| Highways, streets, and related work | 16 823 857 | 10 086 131 | 4 403 890 | 2 333 836 | 2 | 2 | 3 | 4 |
| Airport runways and related work | 546 301 | 267 695 | 209 526 | 69 079 | 15 | 27 | 7 | 13 |
| Private driveways and parking areas | 3 197 795 | 1 912 353 | 680 872 | 604 570 | 4 | 3 | 15 | 5 |
| Bridges, tunnels, and elevated highways | 3 393 877 | 2 505 754 | 625 237 | 262 886 | 3 | 3 | 5 | 11 |
| Bridges and elevated highways | 2 826 353 | 1 994 396 | 599 824 | 232 133 | 4 | 4 | 5 | 13 |
| Tunnels | 567 524 | 511 358 | 25 412 | 30 753 | 4 | 4 | 20 | 15 |
| Sewers, water mains, and related facilities | 8 046 921 | 6 178 321 | 1 050 607 | 817 993 | 3 | 3 | 9 | 6 |
| Sewers, sewer lines, septic systems, and related facilities | 4 693 029 | 3 589 829 | 638 430 | 464 770 | 4 | 4 | 11 | 8 |
| Water mains and related facilities | 3 353 891 | 2 588 491 | 412 178 | 353 222 | 3 | 4 | 10 | 7 |
| Pipeline construction other than sewer or water lines | 2 909 335 | 1 981 083 | 454 555 | 473 697 | 4 | 4 | 5 | 6 |
| Power and communication transmission lines, cables, towers, and related facilities | 4 882 809 | 3 142 211 | 875 491 | 865 107 | 3 | 3 | 6 | 4 |
| Power plants | 1 845 665 | 785 014 | 397 869 | 662 782 | 5 | 2 | 2 | 12 |
| Power and cogeneration plants, except hydroelectric | 1 463 691 | 689 745 | 321 437 | 452 509 | 1 | 1 | 2 | 1 |
| Power plants, hydroelectric | 381 974 | 95 269 | 76 432 | 210 273 | 22 | 12 | 2 | 39 |
| Blast furnaces, petroleum refineries, chemical complexes, etc. | 6 561 404 | 2 505 260 | 1 184 239 | 2 871 905 | 1 | 2 | 2 | 2 |
| Sewage and water treatment plants | 2 674 956 | 1 662 297 | 840 524 | 172 136 | 5 | 5 | 8 | 10 |
| Sewage treatment plants | 1 534 988 | 921 193 | 524 507 | 89 287 | 5 | 4 | 12 | 12 |
| Water treatment plants | 1 139 968 | 741 103 | 316 017 | 82 849 | 7 | 10 | 5 | 12 |
| Mass transit construction | 643 109 | 336 952 | 88 565 | 217 592 | 13 | 18 | 15 | 12 |
| Urban mass transit construction | 170 514 | 108 961 | 17 205 | 44 348 | 5 | 5 | 17 | 2 |
| Railroad construction | 472 595 | 227 991 | 71 361 | 173 244 | 17 | 27 | 18 | 16 |
| Conservation and development construction | 1 479 054 | 1 129 907 | 130 648 | 218 500 | 6 | 6 | 9 | 19 |
| Dam and reservoir construction | 184 193 | 143 688 | 12 074 | 28 432 | 10 | 13 | 32 | 3 |
| Dry/solid waste disposal | 428 710 | 337 587 | 55 539 | 35 583 | 9 | 10 | 5 | 39 |
| Harbor and port facilities | 304 231 | 233 772 | 47 744 | 22 715 | 11 | 13 | 19 | 13 |
| Marine construction | 1 214 115 | 614 515 | 225 914 | 373 687 | 5 | 5 | 5 | 13 |
| Outdoor swimming pools | 1 433 749 | 1 103 619 | 155 532 | 174 598 | 5 | 5 | 13 | 16 |
| Water storage facilities | 357 523 | 231 078 | 10 988 | 115 456 | 20 | 30 | 20 | 11 |
| Tank storage facilities other than water | 406 541 | 269 653 | 33 161 | 103 726 | 4 | 4 | 7 | 7 |
| Fencing | 874 931 | 623 265 | 159 861 | 91 805 | 4 | 4 | 4 | 6 |
| Recreational facilities | 1 334 739 | 1 051 461 | 200 959 | 82 320 | 9 | 9 | 14 | 17 |
| Billboards | D | D | D | 382 | D | D | D | 27 |
| Heavy military construction | D | D | D | - | D | D | D | - |
| Ships | 203 912 | 96 875 | 27 818 | 79 218 | 5 | 1 | 2 | 14 |
| Oilfields | 284 152 | 126 942 | 38 681 | 118 529 | 16 | 6 | 7 | 37 |
| Other nonbuilding construction, nec | 1 733 348 | 1 420 240 | 144 850 | 168 259 | 3 | 3 | 8 | 9 |
| Construction work, nsk | 3 049 871 | X | X | X | 3 | X | X | X |
| West | | | | | | | | |
| Total | 206 100 592 | 141 389 966 | 43 314 248 | 18 845 385 | Z | Z | 1 | 1 |
| Building construction, total | 164 889 602 | 116 695 996 | 34 920 864 | 13 272 741 | Z | Z | 1 | 1 |
| Single-family houses, detached and attached | 67 182 200 | 52 995 932 | 9 777 470 | 4 408 799 | 1 | 1 | 2 | 2 |
| Single-family houses, detached | 59 569 415 | 47 551 807 | 8 404 689 | 3 612 919 | 1 | 1 | 2 | 3 |
| Single-family houses, attached | 7 612 785 | 5 444 124 | 1 372 781 | 795 880 | 2 | 3 | 4 | 5 |
| Apartment buildings, apartment type condominiums and cooperatives | 8 484 453 | 5 913 242 | 1 501 866 | 1 069 345 | 2 | 2 | 3 | 3 |
| All other residential buildings | 458 140 | 264 182 | 149 837 | 44 121 | 6 | 3 | 14 | 30 |
| Manufacturing and light industrial buildings | 14 047 884 | 9 072 567 | 3 378 382 | 1 596 935 | 1 | 1 | 2 | 4 |
| Manufacturing and light industrial warehouses | 4 328 009 | 2 986 604 | 930 304 | 411 100 | 2 | 2 | 3 | 5 |
| Hotels and motels | 5 437 471 | 4 025 979 | 1 060 663 | 350 829 | 2 | 2 | 3 | 5 |
| Office buildings | 19 274 587 | 11 406 329 | 6 142 017 | 1 726 242 | 1 | 1 | 2 | 3 |
| All other commercial buildings, nec | 16 231 602 | 10 327 398 | 4 399 318 | 1 504 887 | 2 | 2 | 3 | 3 |
| Commercial warehouses | 4 520 913 | 3 383 032 | 817 936 | 319 946 | 5 | 4 | 12 | 5 |
| Religious buildings | 1 324 029 | 732 114 | 444 436 | 147 479 | 4 | 5 | 3 | 6 |
| Educational buildings | 9 473 638 | 5 754 656 | 3 084 625 | 634 357 | 2 | 2 | 4 | 6 |
| Health care and institutional buildings | 5 584 312 | 3 442 635 | 1 714 497 | 427 179 | 2 | 2 | 3 | 5 |
| Public safety buildings | 2 310 831 | 1 774 761 | 426 278 | 109 792 | 2 | 2 | 8 | 8 |
| Farm buildings, nonresidential | 533 740 | 381 300 | 88 999 | 63 441 | 8 | 9 | 12 | 12 |
| Amusement, social, and recreational buildings | 3 002 303 | 2 350 250 | 547 366 | 104 687 | 1 | 1 | 5 | 13 |
| Other building construction | 2 695 489 | 1 885 017 | 456 870 | 353 602 | 3 | 4 | 6 | 5 |
| Nonbuilding construction, total | 38 659 997 | 24 693 970 | 8 393 384 | 5 572 643 | 1 | 1 | 2 | 2 |
| Highways, streets, and related work | 11 642 577 | 5 949 010 | 3 765 434 | 1 928 133 | 2 | 2 | 3 | 4 |
| Airport runways and related work | 577 522 | 287 284 | 224 905 | 65 333 | 7 | 10 | 13 | 8 |
| Private driveways and parking areas | 1 842 998 | 1 073 572 | 318 797 | 450 629 | 3 | 4 | 7 | 6 |
| Bridges, tunnels, and elevated highways | 2 510 792 | 1 901 445 | 495 820 | 113 526 | 3 | 3 | 6 | 7 |
| Bridges and elevated highways | 2 142 120 | 1 588 608 | 455 289 | 98 223 | 3 | 3 | 7 | 8 |
| Tunnels | 368 671 | 312 837 | 40 531 | 15 304 | 2 | 2 | 3 | 8 |
| Sewers, water mains, and related facilities | 6 000 152 | 4 677 743 | 794 214 | 528 195 | 3 | 3 | 7 | 6 |
| Sewers, sewer lines, septic systems, and related facilities | 3 104 757 | 2 363 849 | 500 023 | 240 885 | 4 | 4 | 10 | 7 |
| Water mains and related facilities | 2 895 395 | 2 313 894 | 294 191 | 287 310 | 3 | 3 | 5 | 9 |

Table 7. **Value of Construction Work for Establishments With Payroll by Geographic Area and Type of Construction: 1997—Con.**

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Type of construction | Value of construction work | | | | Relative standard error of estimate (percent) for column— | | | |
|------------------------------------------------------------------------------------------|----------------------------|------------------|-------------------------------------------|------------------------|-----------------------------------------------------------|----------|----------|----------|
| | Total | New construction | Additions, alterations, or reconstruction | Maintenance and repair | A | B | C | D |
| | A | B | C | D | A | B | C | D |
| UNITED STATES—Con. | | | | | | | | |
| West—Con. | | | | | | | | |
| Nonbuilding construction, total—Con. | | | | | | | | |
| Pipeline construction other than sewer or water lines | 1 514 372 | 906 522 | 335 770 | 272 080 | 3 | 3 | 7 | 8 |
| Power and communication transmission lines, cables, towers, and related facilities | 3 175 237 | 2 044 859 | 556 196 | 574 182 | 3 | 4 | 3 | 4 |
| Power plants | 1 018 045 | 729 798 | 108 444 | 179 802 | 3 | 2 | 11 | 11 |
| Power and cogeneration plants, except hydroelectric | 458 300 | 239 098 | 71 214 | 147 988 | 5 | 3 | 7 | 12 |
| Power plants, hydroelectric | 559 745 | 490 700 | 37 231 | 31 814 | 4 | 3 | 28 | 31 |
| Blast furnaces, petroleum refineries, chemical complexes, etc | 1 059 990 | 399 782 | 189 856 | 470 352 | 4 | 5 | 5 | 4 |
| Sewage and water treatment plants | 2 398 805 | 1 664 131 | 607 396 | 127 278 | 3 | 4 | 7 | 6 |
| Sewage treatment plants | 1 275 303 | 892 843 | 310 723 | 71 737 | 5 | 5 | 9 | 8 |
| Water treatment plants | 1 123 502 | 771 288 | 296 673 | 55 541 | 3 | 3 | 8 | 9 |
| Mass transit construction | 521 578 | 417 399 | 68 034 | 36 146 | 1 | 1 | 2 | 8 |
| Urban mass transit construction | 368 341 | 342 342 | 18 478 | 7 520 | 1 | Z | 1 | 37 |
| Railroad construction | 153 238 | 75 056 | 49 555 | 28 626 | 4 | 7 | 3 | 2 |
| Conservation and development construction | 806 289 | 540 147 | 116 977 | 149 165 | 6 | 6 | 12 | 20 |
| Dam and reservoir construction | 595 922 | 512 205 | 45 050 | 38 668 | 4 | 3 | 15 | 14 |
| Dry/solid waste disposal | 254 787 | 156 638 | 70 142 | 28 006 | 3 | 2 | 6 | 18 |
| Harbor and port facilities | 444 372 | 349 169 | 76 431 | 18 772 | 5 | 5 | 6 | 16 |
| Marine construction | 363 883 | 200 333 | 100 084 | 63 466 | 6 | 6 | 5 | 13 |
| Outdoor swimming pools | 1 013 278 | 808 954 | 101 659 | 102 664 | 4 | 5 | 8 | 11 |
| Water storage facilities | 174 093 | 92 191 | 30 051 | 51 851 | 4 | 5 | 2 | 6 |
| Tank storage facilities other than water | 146 620 | 62 185 | 48 442 | 35 993 | 11 | 7 | 28 | 18 |
| Fencing | 783 655 | 590 147 | 96 196 | 97 312 | 4 | 4 | 7 | 8 |
| Recreational facilities | 642 918 | 521 401 | 69 986 | 51 531 | 6 | 6 | 13 | 15 |
| Billboards | D | D | D | — | D | D | D | — |
| Heavy military construction | D | D | D | D | D | D | D | D |
| Ships | 80 379 | D | D | D | 22 | D | D | D |
| Oilfields | 84 722 | 30 273 | 18 657 | 35 792 | 14 | 19 | 29 | 17 |
| Other nonbuilding construction, nec | 989 930 | 757 311 | 136 544 | 96 075 | 3 | 3 | 8 | 11 |
| Construction work, nsk | 2 551 008 | X | X | X | 3 | X | X | X |

Table 8. Dollar Value of Business Done for Establishments With Payroll by Kind-of-Business Activity: 1997

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Primary and other kinds of business activities | Dollar value of business done | Relative standard error of estimate (percent) |
|----------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------|
| UNITED STATES | | |
| Total | 858 581 056 | Z |
| Building, developing, and general contracting, total | 376 597 721 | Z |
| Building construction on land owned by others—general contractor or design-builder | 214 627 258 | 1 |
| Building construction on land owned by you, for sale | 70 901 074 | 1 |
| Construction management—buildings | 24 325 131 | 1 |
| Remodeling—general contractor or design-builder | 52 323 550 | 1 |
| Subdividing/developing land owned by you into lots for sale | 14 420 708 | 1 |
| Heavy construction, total | 127 604 542 | Z |
| Blasting contractor, except building demolition | 350 059 | 13 |
| Cable and conduit laying contractor | 4 616 137 | 3 |
| Construction management—heavy construction | 2 237 555 | 4 |
| Dredging contractor | 862 484 | 6 |
| Excavation work, earthmoving or land clearing contractor, not connected with buildings | 12 557 758 | 2 |
| Heavy construction contractor | 55 818 577 | 1 |
| Highway and street general contractor | 30 055 689 | 1 |
| Paving contractor—asphalt or concrete for highways, streets, or airport runways | 16 156 257 | 2 |
| Pile driving contractor | 1 072 855 | 7 |
| Pipe jacking/microtunneling contractor | S | S |
| Rental of construction machinery or equipment to others, with an operator | 2 821 763 | 3 |
| Trenching contractor | 831 831 | 6 |
| Special trade contractors, total | 336 274 202 | Z |
| Acoustical contractor | 2 431 013 | 3 |
| Antenna contractor, except household type | 106 167 | 14 |
| Architectural sheet metal contractor, including gutters and downspouts | 2 222 050 | 4 |
| Asphalt contractor, private driveways and parking areas | 5 708 990 | 3 |
| Bridge painting contractor | 264 016 | 4 |
| Building sprinkler system installation contractor | 4 090 824 | 3 |
| Cable television contractor | 609 331 | 15 |
| Carpentry contractor | 12 620 978 | 2 |
| Carpet laying or removal contractor | 3 229 692 | 2 |
| Computer flooring installation contractor | 232 852 | 6 |
| Concrete breaking and cutting contractor | 306 818 | 5 |
| Concrete contractor, except paving of roads, highways, and streets | 13 099 166 | 1 |
| Culvert and curb contractor | 1 388 660 | 4 |
| Curtain wall installation contractor | 763 264 | 3 |
| Dismantling steel oil tanks contractor, except oil field work | 139 014 | 17 |
| Drywall contractor | 11 332 063 | 2 |
| Electric power installation and service contractor, including lighting | 44 530 541 | 1 |
| Electronic control systems installation and service, except environmental control | 3 040 856 | 3 |
| Elevator installation, service, and repair contractor | 4 046 929 | 1 |
| Energy management contractor | 651 984 | 9 |
| Environmental control systems installation and service contractor | 1 989 624 | 4 |
| Escalator installation, service, and repair contractor | 318 953 | 1 |
| Excavation work: earthmoving or land clearing contractor, connected with buildings | 13 179 745 | 2 |
| Fence construction contractor | 2 914 375 | 2 |
| Fire and security systems installation and service | 4 083 863 | 3 |
| Flooring contractor, wood | 1 775 617 | 3 |
| Foundation contractor: brick, block, or stone | 1 113 844 | 4 |
| Foundation contractor, concrete | 5 108 430 | 2 |
| Foundation contractor, digging of | 1 359 501 | 4 |
| Framing contractor | 5 471 866 | 2 |
| Fresco contractor | \$1 607 | 56 |
| Garage door and overhead door installation contractor | 1 935 344 | 4 |
| Glass and glazing contractor | 3 694 304 | 1 |
| Heating, ventilation and air-conditioning contractor (HVAC) | 32 965 343 | 1 |
| Highway lighting and signal installation and service | 2 194 821 | 6 |
| House moving contractor | 172 448 | 8 |
| Insulation contractor | 4 441 212 | 2 |
| Insulation contractor, pipe and duct work | 1 196 448 | 2 |
| Lathing contractor | 682 478 | 5 |
| Lawn sprinkler installation contractor | 1 133 520 | 8 |
| Marble, granite, and slate contractor: exterior | 282 187 | 4 |
| Marble, granite, and slate contractor: interior | 870 966 | 3 |
| Masonry contractor: brick or block | 8 457 259 | 2 |
| Masonry contractor: pointing, cleaning, or caulking | 826 517 | 3 |
| Mechanical contractor | 16 445 220 | 2 |
| Millwright and machine rigging contractor | 4 639 208 | 2 |
| Modular furniture systems attachment and installation contractor | 738 439 | 4 |
| Mosaic contractor | S | S |
| Ornamental metal contractor | 702 853 | 4 |
| Paint and wallpaper removal contractor | 298 923 | 6 |
| Painting contractor | 11 005 522 | 1 |
| Paper hanging and wall covering contractor | 970 861 | 3 |
| Plastering contractor | 1 949 002 | 4 |
| Plumbing contractor | 22 077 053 | 2 |
| Precast concrete installation contractor | 505 974 | 5 |
| Radon remediation contractor | 17 274 | 18 |
| Refractory brick contractor | 781 773 | 5 |
| Refrigeration contractor | 2 205 200 | 6 |
| Reinforcing steel contractor | 1 487 694 | 3 |
| Resilient floor laying contractor | 1 270 628 | 3 |
| Roofing contractor | 14 761 716 | 1 |
| Sandblasting contractor, building exteriors | 419 211 | 5 |
| Scaffolding contractor | 634 854 | 1 |
| Septic system installation contractor | 852 292 | 9 |
| Service station equipment installation contractor | 1 238 937 | 6 |
| Sheet metal contractor, except HVAC and plumbing | 4 041 025 | 2 |
| Ship painting contractor | 103 070 | 1 |
| Shotcrete contractor | 324 711 | 9 |
| Siding contractor | 2 807 746 | 4 |
| Specialty sheet metal contractor, including decking and metal ceilings | 679 280 | 6 |

Table 8. Dollar Value of Business Done for Establishments With Payroll by Kind-of-Business Activity: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Primary and other kinds of business activities | Dollar value of business done | Relative standard error of estimate (percent) |
|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------|
| UNITED STATES—Con. | | |
| Special trade contractors, total—Con. | | |
| Steamfitting and piping contractor | 3 506 487 | 2 |
| Steel framing contractor | 299 241 | 9 |
| Stonework contractor | 804 381 | 9 |
| Storage tanks, metal, erection contractor | 1 170 871 | 6 |
| Structural steel erection contractor | 4 428 034 | 2 |
| Stucco contractor | 744 308 | 10 |
| Subdividing and preparing land owned by others | 463 617 | 6 |
| Swimming pool contractor | 3 181 261 | 3 |
| Telecommunications installation and service | 9 723 523 | 2 |
| Terrazzo contractor | 187 965 | 4 |
| Test boring or core drilling contractor for construction | 542 493 | 4 |
| Tile contractor | 2 824 892 | 2 |
| Tinting glass contractor | 91 736 | 13 |
| Traffic lane painting contractor | 620 332 | 5 |
| Waterproofing, dampproofing and fireproofing contractor | 1 848 773 | 2 |
| Water well drilling contractor | 2 151 094 | 2 |
| Welding contractor, operating at site of construction | 1 014 760 | 4 |
| Wrecking and demolition contractor, buildings and other structures | 1 880 220 | 1 |
| Other miscellaneous construction (special case) activities | 2 834 928 | 2 |
| Other construction activities, nec | 375 893 | 3 |
| Other business activities secondary to construction activities, total | 12 502 471 | 2 |
| Architectural services, secondary to construction activities | 285 479 | 6 |
| Asbestos abatement and lead paint removal contractor, secondary to construction activities | 245 200 | 4 |
| Building construction on land owned by you, for rent or lease (investment builder), secondary to construction activities | 1 227 123 | 10 |
| Engineering services, secondary to construction activities | 705 784 | 5 |
| Manufacturing—products manufactured and sold to others, secondary to construction activities | 1 785 091 | 3 |
| Mining—minerals produced and sold to others, secondary to construction activities | 555 257 | 5 |
| Other business activities, secondary to construction activities, nec | 1 659 193 | 2 |
| Real estate commissions and property management fees, secondary to construction activities | 647 602 | 4 |
| Rental of construction machinery or equipment to others, without an operator, secondary to construction activities | 480 525 | 2 |
| Rental or lease of properties, secondary to construction activities | 717 136 | 4 |
| Retail trade, secondary to construction activities | 2 628 044 | 3 |
| Transportation of goods for others, secondary to construction activities | 637 505 | 4 |
| Wholesale trade, secondary to construction activities | 928 533 | 4 |
| Kind of business activity, nsk | 5 226 100 | 2 |
| Northeast | | |
| Total | 145 918 032 | 1 |
| Building, developing, and general contracting, total | | |
| Building construction on land owned by others—general contractor or design-builder | 31 696 861 | 2 |
| Building construction on land owned by you, for sale | 7 540 660 | 4 |
| Construction management—buildings | 8 314 298 | 1 |
| Remodeling—general contractor or design-builder | 10 839 881 | 2 |
| Subdividing/developing land owned by you into lots for sale | 1 724 175 | 5 |
| Heavy construction, total | 20 487 297 | 1 |
| Blasting contractor, except building demolition | 74 830 | 18 |
| Cable and conduit laying contractor | 549 182 | 5 |
| Construction management—heavy construction | 468 019 | 11 |
| Dredging contractor | S | S |
| Excavation work, earthmoving or land clearing contractor, not connected with buildings | 2 084 267 | 4 |
| Heavy construction contractor | 9 476 132 | 2 |
| Highway and street general contractor | 4 816 790 | 3 |
| Paving contractor—asphalt or concrete for highways, streets, or airport runways | 2 084 516 | 4 |
| Pile driving contractor | 244 915 | 9 |
| Pipe jacking/microtunneling contractor | 743 | 60 |
| Rental of construction machinery or equipment to others, with an operator | 469 652 | 4 |
| Trenching contractor | 154 174 | 16 |
| Special trade contractors, total | 62 074 405 | 1 |
| Acoustical contractor | 516 766 | 6 |
| Antenna contractor, except household type | 19 732 | 13 |
| Architectural sheet metal contractor, including gutters and downspouts | 303 815 | 8 |
| Asphalt contractor, private driveways and parking areas | 1 118 725 | 7 |
| Bridge painting contractor | 78 398 | 3 |
| Building sprinkler system installation contractor | 623 264 | 7 |
| Cable television contractor | \$102 200 | 43 |
| Carpentry contractor | 3 052 326 | 2 |
| Carpet laying or removal contractor | 611 025 | 6 |
| Computer flooring installation contractor | 71 662 | 4 |
| Concrete breaking and cutting contractor | 20 803 | 26 |
| Concrete contractor, except paving of roads, highways, and streets | 1 616 388 | 3 |
| Culvert and curb contractor | S | S |
| Curtain wall installation contractor | 183 501 | 6 |
| Dismantling steel oil tanks contractor, except oil field work | S | S |
| Drywall contractor | 1 851 751 | 4 |
| Electric power installation and service contractor, including lighting | 8 495 028 | 2 |
| Electronic control systems installation and service, except environmental control | 647 430 | 5 |
| Elevator installation, service, and repair contractor | 1 298 330 | 2 |
| Energy management contractor | 162 723 | 25 |
| Environmental control systems installation and service contractor | 494 551 | 7 |
| Escalator installation, service, and repair contractor | 93 345 | 1 |
| Excavation work, earthmoving or land clearing contractor, connected with buildings | 2 685 939 | 3 |
| Fence construction contractor | 477 939 | 4 |
| Fire and security systems installation and service | 1 128 333 | 7 |
| Flooring contractor, wood | 363 621 | 6 |
| Foundation contractor: brick, block, or stone | 335 890 | 7 |
| Foundation contractor, concrete | 533 612 | 7 |
| Foundation contractor, digging of | 245 902 | 5 |
| Framing contractor | 532 728 | 7 |
| Fresco contractor | D | D |
| Garage door and overhead door installation contractor | 307 938 | 9 |
| Glass and glazing contractor | 677 347 | 3 |
| Heating, ventilation and air-conditioning contractor (HVAC) | 6 696 091 | 3 |
| Highway lighting and signal installation and service | 580 849 | 11 |
| House moving contractor | 17 427 | 25 |
| Insulation contractor | 688 886 | 7 |
| Insulation contractor, pipe and duct work | 160 952 | 4 |

Table 8. Dollar Value of Business Done for Establishments With Payroll by Kind-of-Business Activity: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Primary and other kinds of business activities | Dollar value of business done | Relative standard error of estimate (percent) |
|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------|
| UNITED STATES—Con. | | |
| Northeast—Con. | | |
| Special trade contractors, total—Con. | | |
| Lathing contractor | 25 597 | 11 |
| Lawn sprinkler installation contractor | 216 996 | 17 |
| Marble, granite, and slate contractor: exterior | 58 370 | 12 |
| Marble, granite, and slate contractor: interior | 148 752 | 6 |
| Masonry contractor: brick or block | 1 633 068 | 3 |
| Masonry contractor: pointing, cleaning, or caulking | 335 529 | 5 |
| Mechanical contractor | 2 841 920 | 3 |
| Millwright and machine rigging contractor | 672 515 | 4 |
| Modular furniture systems attachment and installation contractor | 173 638 | 6 |
| Mosaic contractor | D | D |
| Ornamental metal contractor | 178 266 | 5 |
| Paint and wallpaper removal contractor | 55 507 | 9 |
| Painting contractor | 1 819 701 | 2 |
| Paper hanging and wall covering contractor | 238 719 | 5 |
| Plastering contractor | 229 094 | 10 |
| Plumbing contractor | 3 844 570 | 4 |
| Precast concrete installation contractor | 104 996 | 15 |
| Radon remediation contractor | 2 871 | 26 |
| Refractory brick contractor | 131 664 | 14 |
| Refrigeration contractor | 357 782 | 16 |
| Reinforcing steel contractor | 150 239 | 7 |
| Resilient floor laying contractor | 229 012 | 8 |
| Roofing contractor | 2 460 663 | 3 |
| Sandblasting contractor, building exteriors | 73 272 | 16 |
| Scaffolding contractor | 89 357 | 5 |
| Septic system installation contractor | 101 684 | 22 |
| Service station equipment installation contractor | 295 907 | 4 |
| Sheet metal contractor, except HVAC and plumbing | 783 702 | 5 |
| Ship painting contractor | D | D |
| Shotcrete contractor | S | S |
| Siding contractor | 612 219 | 7 |
| Specialty sheet metal contractor, including decking and metal ceilings | 101 848 | 14 |
| Steamfitting and piping contractor | 782 866 | 5 |
| Steel framing contractor | 82 162 | 24 |
| Stonework contractor | 223 393 | 9 |
| Storage tanks, metal, erection contractor | 109 903 | 10 |
| Structural steel erection contractor | 803 031 | 3 |
| Stucco contractor | S | S |
| Subdividing and preparing land owned by others | 57 251 | 10 |
| Swimming pool contractor | 452 506 | 6 |
| Telecommunications installation and service | 1 903 226 | 4 |
| Terrazzo contractor | 53 635 | 4 |
| Test boring or core drilling contractor for construction | 104 726 | 6 |
| Tile contractor | 415 666 | 4 |
| Tinting glass contractor | S | S |
| Traffic lane painting contractor | 129 065 | 6 |
| Waterproofing, dampproofing and fireproofing contractor | 462 196 | 4 |
| Water well drilling contractor | 298 759 | 3 |
| Welding contractor, operating at site of construction | 123 112 | 12 |
| Wrecking and demolition contractor, buildings and other structures | 531 431 | 2 |
| Other miscellaneous construction (special case) activities | 445 946 | 5 |
| Other construction activities, nec | 55 791 | 12 |
| Other business activities secondary to construction activities, total | 2 440 961 | 2 |
| Architectural services, secondary to construction activities | 38 753 | 10 |
| Asbestos abatement and lead paint removal contractor, secondary to construction activities | 78 471 | 2 |
| Building construction on land owned by you, for rent or lease (investment builder), secondary to construction activities | 336 844 | 4 |
| Engineering services, secondary to construction activities | 136 946 | 15 |
| Manufacturing—products manufactured and sold to others, secondary to construction activities | 285 996 | 7 |
| Mining—minerals produced and sold to others, secondary to construction activities | 72 906 | 5 |
| Other business activities, secondary to construction activities, nec | 533 075 | 3 |
| Real estate commissions and property management fees, secondary to construction activities | 134 822 | 7 |
| Rental of construction machinery or equipment to others, without an operator, secondary to construction activities | 92 406 | 4 |
| Rental or lease of properties, secondary to construction activities | 81 876 | 10 |
| Retail trade, secondary to construction activities | 356 508 | 8 |
| Transportation of goods for others, secondary to construction activities | 132 009 | 8 |
| Wholesale trade, secondary to construction activities | 160 349 | 7 |
| Kind of business activity, nsk | 743 715 | 3 |
| Midwest | | |
| Total | 204 819 376 | Z |
| Building, developing, and general contracting, total | 83 735 760 | 1 |
| Building construction on land owned by others—general contractor or design-builder | 50 047 375 | 1 |
| Building construction on land owned by you, for sale | 12 982 856 | 3 |
| Construction management—buildings | 5 996 280 | 4 |
| Remodeling—general contractor or design-builder | 12 456 245 | 2 |
| Subdividing/developing land owned by you into lots for sale | 2 253 004 | 4 |
| Heavy construction, total | 31 074 643 | 1 |
| Blasting contractor, except building demolition | 46 939 | 35 |
| Cable and conduit laying contractor | 1 496 559 | 5 |
| Construction management—heavy construction | 390 011 | 4 |
| Dredging contractor | 374 056 | 3 |
| Excavation work, earthmoving or land clearing contractor, not connected with buildings | 3 421 320 | 3 |
| Heavy construction contractor | 11 691 492 | 2 |
| Highway and street general contractor | 7 585 337 | 3 |
| Paving contractor—asphalt or concrete for highways, streets, or airport runways | 5 130 165 | 5 |
| Pile driving contractor | 197 756 | 3 |
| Pipe jacking/microtunneling contractor | 89 474 | 57 |
| Rental of construction machinery or equipment to others, with an operator | 491 885 | 8 |
| Trenching contractor | 239 649 | 11 |
| Special trade contractors, total | 85 628 223 | 1 |
| Acoustical contractor | 586 914 | 8 |
| Antenna contractor, except household type | S | S |
| Architectural sheet metal contractor, including gutters and downspouts | 658 309 | 5 |
| Asphalt contractor, private driveways and parking areas | 1 933 182 | 6 |

Table 8. Dollar Value of Business Done for Establishments With Payroll by Kind-of-Business Activity: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Primary and other kinds of business activities | Dollar value of business done | Relative standard error of estimate (percent) |
|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------|
| UNITED STATES—Con. | | |
| Midwest—Con. | | |
| Special trade contractors, total—Con. | | |
| Bridge painting contractor | 86 970 | 5 |
| Building sprinkler system installation contractor | 926 206 | 7 |
| Cable television contractor | 198 387 | 17 |
| Carpentry contractor | 3 772 769 | 2 |
| Carpet laying or removal contractor | 738 693 | 3 |
| Computer flooring installation contractor | 58 695 | 18 |
| Concrete breaking and cutting contractor | 80 109 | 12 |
| Concrete contractor, except paving of roads, highways, and streets | 4 216 908 | 2 |
| Culvert and curb contractor | 274 432 | 9 |
| Curtain wall installation contractor | 195 184 | 9 |
| Dismantling steel oil tanks contractor, except oil field work | 51 372 | 38 |
| Drywall contractor | 2 697 511 | 4 |
| Electric power installation and service contractor, including lighting | 11 261 658 | 2 |
| Electronic control systems installation and service, except environmental control | 739 397 | 5 |
| Elevator installation, service, and repair contractor | 788 421 | Z |
| Energy management contractor | 152 234 | 15 |
| Environmental control systems installation and service contractor | 551 259 | 5 |
| Escalator installation, service, and repair contractor | 71 058 | 5 |
| Excavation work: earthmoving or land clearing contractor, connected with buildings | 3 380 475 | 3 |
| Fence construction contractor | 573 444 | 5 |
| Fire and security systems installation and service | 948 475 | 7 |
| Flooring contractor, wood | 353 770 | 6 |
| Foundation contractor: brick, block, or stone | 351 427 | 8 |
| Foundation contractor, concrete | 1 587 180 | 4 |
| Foundation contractor, digging of | 445 126 | 7 |
| Framing contractor | 927 477 | 4 |
| Fresco contractor | D | D |
| Garage door and overhead door installation contractor | 498 018 | 6 |
| Glass and glazing contractor | 832 136 | 2 |
| Heating, ventilation and air-conditioning contractor (HVAC) | 8 688 906 | 2 |
| Highway lighting and signal installation and service | 526 851 | 11 |
| House moving contractor | 29 932 | 18 |
| Insulation contractor | 995 323 | 7 |
| Insulation contractor, pipe and duct work | 301 826 | 4 |
| Lathing contractor | 57 757 | 6 |
| Lawn sprinkler installation contractor | 224 012 | 17 |
| Marble, granite, and slate contractor: exterior | 54 704 | 6 |
| Marble, granite, and slate contractor: interior | 154 991 | 6 |
| Masonry contractor: brick or block | 2 502 127 | 2 |
| Masonry contractor: pointing, cleaning, or caulking | 292 136 | 5 |
| Mechanical contractor | 4 186 813 | 3 |
| Millwright and machine rigging contractor | 1 614 280 | 2 |
| Modular furniture systems attachment and installation contractor | 191 911 | 8 |
| Mosaic contractor | D | D |
| Ornamental metal contractor | 142 576 | 11 |
| Paint and wallpaper removal contractor | S | S |
| Painting contractor | 2 530 318 | 2 |
| Paper hanging and wall covering contractor | 263 929 | 4 |
| Plastering contractor | 316 412 | 10 |
| Plumbing contractor | 5 713 869 | 5 |
| Precast concrete installation contractor | 201 594 | 7 |
| Radon remediation contractor | 4 263 | 36 |
| Refractory brick contractor | 149 838 | 6 |
| Refrigeration contractor | 626 013 | 7 |
| Reinforcing steel contractor | 235 386 | 6 |
| Resilient floor laying contractor | 327 572 | 5 |
| Roofing contractor | 3 817 125 | 2 |
| Sandblasting contractor, building exteriors | 74 790 | 6 |
| Scaffolding contractor | 182 266 | 1 |
| Septic system installation contractor | 187 171 | 16 |
| Service station equipment installation contractor | 254 324 | 10 |
| Sheet metal contractor, except HVAC and plumbing | 1 153 958 | 3 |
| Ship painting contractor | D | D |
| Shotcrete contractor | S | S |
| Siding contractor | 990 151 | 7 |
| Speciality sheet metal contractor, including decking and metal ceilings | 131 453 | 7 |
| Steamfitting and piping contractor | 1 222 436 | 3 |
| Steel framing contractor | 89 522 | 19 |
| Stonework contractor | 163 944 | 11 |
| Storage tanks, metal, erection contractor | 297 386 | 5 |
| Structural steel erection contractor | 1 199 277 | 4 |
| Stucco contractor | 89 421 | 18 |
| Subdividing and preparing land owned by others | 132 532 | 12 |
| Swimming pool contractor | 288 332 | 7 |
| Telecommunications installation and service | 1 901 654 | 5 |
| Terrazzo contractor | 49 564 | 11 |
| Test boring or core drilling contractor for construction | 77 910 | 8 |
| Tile contractor | 511 184 | 3 |
| Tinting glass contractor | 15 812 | 26 |
| Traffic lane painting contractor | 165 268 | 14 |
| Waterproofing, dampproofing and fireproofing contractor | 395 926 | 6 |
| Water well drilling contractor | 590 070 | 3 |
| Welding contractor, operating at site of construction | 188 201 | 6 |
| Wrecking and demolition contractor, buildings and other structures | 531 542 | 2 |
| Other miscellaneous construction (special case) activities | 539 895 | 7 |
| Other construction activities, nec | 99 250 | 5 |
| Other business activities secondary to construction activities, total | 3 291 270 | 5 |
| Architectural services, secondary to construction activities | 62 039 | 11 |
| Asbestos abatement and lead paint removal contractor, secondary to construction activities | 41 084 | 5 |
| Building construction on land owned by you, for rent or lease (investment builder), secondary to construction activities | 400 598 | 30 |
| Engineering services, secondary to construction activities | 113 162 | 4 |
| Manufacturing—products manufactured and sold to others, secondary to construction activities | 482 903 | 4 |
| Mining—minerals produced and sold to others, secondary to construction activities | 210 573 | 4 |
| Other business activities, secondary to construction activities, nec | 348 232 | 5 |
| Real estate commissions and property management fees, secondary to construction activities | 132 656 | 14 |
| Rental of construction machinery or equipment to others, without an operator, secondary to construction activities | 102 181 | 5 |

Table 8. Dollar Value of Business Done for Establishments With Payroll by Kind-of-Business Activity: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Primary and other kinds of business activities | Dollar value of business done | Relative standard error of estimate (percent) |
|----------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------|
| UNITED STATES—Con. | | |
| Midwest—Con. | | |
| Other business activities secondary to construction activities, total—Con. | | |
| Rental or lease of properties, secondary to construction activities | 175 573 | 12 |
| Retail trade, secondary to construction activities | 765 287 | 9 |
| Transportation of goods for others, secondary to construction activities | 199 432 | 6 |
| Wholesale trade, secondary to construction activities | 257 551 | 9 |
| Kind of business activity, nsk | 990 242 | 4 |
| South | | |
| Total | 298 668 864 | Z |
| Building, developing, and general contracting, total | | |
| Building construction on land owned by others—general contractor or design-builder | 137 622 108 | 1 |
| Building construction on land owned by you, for sale | 82 020 784 | 1 |
| Construction management—buildings | 28 737 610 | 2 |
| Remodeling—general contractor or design-builder | 5 489 344 | 3 |
| Subdividing/developing land owned by you into lots for sale | 15 590 910 | 2 |
| | 5 783 460 | 2 |
| Heavy construction, total | | |
| Blasting contractor, except building demolition | 46 841 814 | 1 |
| Cable and conduit laying contractor | 95 872 | 19 |
| Construction management—heavy construction | 1 659 809 | 5 |
| Dredging contractor | 896 365 | 4 |
| Excavation work, earthmoving or land clearing contractor, not connected with buildings | 363 828 | 13 |
| Heavy construction contractor | 4 330 252 | 3 |
| Highway and street general contractor | 21 784 349 | 1 |
| Paving contractor—asphalt or concrete for highways, streets, or airport runways | 10 633 849 | 2 |
| Pile driving contractor | 5 312 530 | 3 |
| Pipe jacking/microtunneling contractor | 294 983 | 10 |
| Rental of construction machinery or equipment to others, with an operator | S | S |
| Trenching contractor | 1 051 007 | 5 |
| | 265 055 | 12 |
| Special trade contractors, total | | |
| Acoustical contractor | 108 401 940 | 1 |
| Antenna contractor, except household type | 804 269 | 6 |
| Architectural sheet metal contractor, including gutters and downspouts | 32 767 | 11 |
| Asphalt contractor, private driveways and parking areas | 821 574 | 7 |
| Bridge painting contractor | 1 684 252 | 8 |
| Building sprinkler system installation contractor | 63 954 | 13 |
| Cable television contractor | 1 541 835 | 6 |
| Carpentry contractor | 270 849 | 26 |
| Carpet laying or removal contractor | 3 197 759 | 8 |
| Computer flooring installation contractor | 926 883 | 4 |
| | 61 399 | 14 |
| Concrete breaking and cutting contractor | 39 542 | 6 |
| Concrete contractor, except paving of roads, highways, and streets | 3 732 170 | 3 |
| Culvert and curb contractor | 508 857 | 8 |
| Curtain wall installation contractor | 225 423 | 7 |
| Dismantling steel oil tanks contractor, except oil field work | 23 824 | 17 |
| Drywall contractor | 3 500 033 | 4 |
| Electric power installation and service contractor, including lighting | 14 519 675 | 1 |
| Electronic control systems installation and service, except environmental control | 1 051 271 | 6 |
| Elevator installation, service, and repair contractor | 1 151 857 | 1 |
| Energy management contractor | 186 727 | 8 |
| Environmental control systems installation and service contractor | 523 979 | 8 |
| Escalator installation, service, and repair contractor | 85 918 | 2 |
| Excavation work: earthmoving or land clearing contractor, connected with buildings | 4 045 177 | 4 |
| Fence construction contractor | 1 030 371 | 4 |
| Fire and security systems installation and service | 1 146 725 | 6 |
| Flooring contractor, wood | 573 184 | 6 |
| Foundation contractor: brick, block, or stone | 334 281 | 9 |
| Foundation contractor, concrete | 1 531 129 | 5 |
| Foundation contractor, digging of | 399 900 | 7 |
| Framing contractor | 1 072 226 | 5 |
| Fresco contractor | \$1 257 | 70 |
| Garage door and overhead door installation contractor | 635 917 | 9 |
| Glass and glazing contractor | 1 198 320 | 3 |
| Heating, ventilation and air-conditioning contractor (HVAC) | 11 329 459 | 3 |
| Highway lighting and signal installation and service | 606 548 | 16 |
| House moving contractor | 76 234 | 11 |
| Insulation contractor | 1 862 777 | 3 |
| Insulation contractor, pipe and duct work | 528 355 | 3 |
| Lathing contractor | 117 552 | 10 |
| Lawn sprinkler installation contractor | 496 370 | 14 |
| Marble, granite, and slate contractor: exterior | 82 670 | 8 |
| Marble, granite, and slate contractor: interior | 284 101 | 6 |
| Masonry contractor: brick or block | 2 757 282 | 4 |
| Masonry contractor: pointing, cleaning, or caulking | 139 347 | 8 |
| Mechanical contractor | 6 061 439 | 3 |
| Millwright and machine rigging contractor | 1 642 093 | 4 |
| Modular furniture systems attachment and installation contractor | 165 586 | 8 |
| Mosaic contractor | S | S |
| Ornamental metal contractor | 209 603 | 9 |
| Paint and wallpaper removal contractor | 140 073 | 11 |
| Painting contractor | 3 709 357 | 3 |
| Paper hanging and wall covering contractor | 327 422 | 6 |
| Plastering contractor | 542 735 | 8 |
| Plumbing contractor | 7 330 432 | 3 |
| Precast concrete installation contractor | 144 632 | 6 |
| Radon remediation contractor | \$4 257 | 52 |
| Refractory brick contractor | 328 092 | 9 |
| Refrigeration contractor | 772 253 | 14 |
| Reinforcing steel contractor | 288 654 | 5 |
| Resilient floor laying contractor | 388 797 | 6 |

Table 8. Dollar Value of Business Done for Establishments With Payroll by Kind-of-Business Activity: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Primary and other kinds of business activities | Dollar value of business done | Relative standard error of estimate (percent) |
|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------|
| UNITED STATES—Con. | | |
| South—Con. | | |
| Special trade contractors, total—Con. | | |
| Roofing contractor | 4 490 665 | 3 |
| Sandblasting contractor, building exteriors | 203 190 | 8 |
| Scaffolding contractor | 253 599 | 2 |
| Septic system installation contractor | 371 351 | 14 |
| Service station equipment installation contractor | 450 007 | 15 |
| Sheet metal contractor, except HVAC and plumbing | 1 275 251 | 5 |
| Ship painting contractor | 78 709 | 1 |
| Shotcrete contractor | 97 032 | 16 |
| Siding contractor | 865 309 | 8 |
| Specialty sheet metal contractor, including decking and metal ceilings | 274 610 | 11 |
| Steamfitting and piping contractor | 753 831 | 4 |
| Steel framing contractor | 52 767 | 8 |
| Stonework contractor | 225 910 | 29 |
| Storage tanks, metal, erection contractor | 563 387 | 12 |
| Structural steel erection contractor | 1 370 544 | 3 |
| Stucco contractor | 371 461 | 17 |
| Subdividing and preparing land owned by others | 117 157 | 15 |
| Swimming pool contractor | 1 458 056 | 4 |
| Telecommunications installation and service | 3 176 229 | 4 |
| Terrazzo contractor | 59 384 | 8 |
| Test boring or core drilling contractor for construction | 140 044 | 10 |
| Tile contractor | 949 508 | 5 |
| Tinting glass contractor | 20 067 | 19 |
| Traffic lane painting contractor | 186 234 | 6 |
| Waterproofing, dampproofing and fireproofing contractor | 622 039 | 4 |
| Water well drilling contractor | 734 701 | 5 |
| Welding contractor, operating at site of construction | 475 532 | 5 |
| Wrecking and demolition contractor, buildings and other structures | 408 885 | 4 |
| Other miscellaneous construction (special case) activities | 1 088 343 | 4 |
| Other construction activities, nec | 150 426 | 3 |
| Other business activities secondary to construction activities, total | | |
| Architectural services, secondary to construction activities | 3 848 383 | 2 |
| Asbestos abatement and lead paint removal contractor, secondary to construction activities | 125 336 | 10 |
| Building construction on land owned by you, for rent or lease (investment builder), secondary to construction activities | 80 246 | 13 |
| Engineering services, secondary to construction activities | 283 665 | 5 |
| Manufacturing—products manufactured and sold to others, secondary to construction activities | 223 664 | 10 |
| Mining—minerals produced and sold to others, secondary to construction activities | 651 799 | 6 |
| Mining—minerals produced and sold to others, secondary to construction activities | 129 961 | 4 |
| Other business activities, secondary to construction activities, nec | 440 437 | 3 |
| Real estate commissions and property management fees, secondary to construction activities | 227 263 | 4 |
| Rental of construction machinery or equipment to others, without an operator, secondary to construction activities | 197 666 | 4 |
| Rental or lease of properties, secondary to construction activities | 232 044 | 5 |
| Retail trade, secondary to construction activities | 826 087 | 5 |
| Transportation of goods for others, secondary to construction activities | 179 406 | 7 |
| Wholesale trade, secondary to construction activities | 250 810 | 10 |
| Kind of business activity, nsk | 1 804 068 | 3 |
| West | | |
| Total | | |
| Building, developing, and general contracting, total | | |
| Building construction on land owned by others—general contractor or design-builder | 95 123 980 | 1 |
| Building construction on land owned by you, for sale | 50 862 237 | 1 |
| Construction management—buildings | 21 639 948 | 1 |
| Remodeling—general contractor or design-builder | 4 525 210 | 3 |
| Subdividing/developing land owned by you into lots for sale | 13 436 515 | 1 |
| Subdividing/developing land owned by you into lots for sale | 4 660 069 | 2 |
| Heavy construction, total | | |
| Blasting contractor, except building demolition | 29 200 787 | 1 |
| Cable and conduit laying contractor | 132 417 | 27 |
| Construction management—heavy construction | 910 586 | 5 |
| Dredging contractor | 483 159 | 10 |
| Excavation work, earthmoving or land clearing contractor, not connected with buildings | 60 523 | 17 |
| Heavy construction contractor | 2 721 919 | 3 |
| Highway and street general contractor | 12 866 604 | 1 |
| Paving contractor—asphalt or concrete for highways, streets, or airport runways | 7 019 714 | 3 |
| Pile driving contractor | 3 629 046 | 3 |
| Pipe jacking/microtunneling contractor | 335 201 | 18 |
| Rental of construction machinery or equipment to others, with an operator | S | S |
| Trenching contractor | 809 219 | 3 |
| Trenching contractor | 172 953 | 11 |
| Special trade contractors, total | | |
| Acoustical contractor | 80 169 634 | 2 |
| Antenna contractor, except household type | 523 064 | 8 |
| Architectural sheet metal contractor, including gutters and downspouts | 29 902 | 26 |
| Asphalt contractor, private driveways and parking areas | 438 351 | 9 |
| Bridge painting contractor | 972 831 | 6 |
| Building sprinkler system installation contractor | 34 694 | 14 |
| Cable television contractor | 999 519 | 6 |
| Carpentry contractor | 37 895 | 6 |
| Carpet laying or removal contractor | 2 598 123 | 3 |
| Computer flooring installation contractor | 953 090 | 4 |
| Computer flooring installation contractor | 41 096 | 7 |
| Concrete breaking and cutting contractor | 166 364 | 5 |
| Concrete contractor, except paving of roads, highways, and streets | 3 533 700 | 2 |
| Culvert and curb contractor | 433 257 | 8 |
| Curtain wall installation contractor | 159 157 | 4 |
| Dismantling steel oil tanks contractor, except oil field work | 9 421 | 18 |
| Drywall contractor | 3 282 768 | 2 |
| Electric power installation and service contractor, including lighting | 10 254 180 | 2 |
| Electronic control systems installation and service, except environmental control | 602 759 | 9 |
| Elevator installation, service, and repair contractor | 808 321 | 2 |
| Energy management contractor | 150 299 | 22 |

Table 8. Dollar Value of Business Done for Establishments With Payroll by Kind-of-Business Activity: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Primary and other kinds of business activities | Dollar value of business done | Relative standard error of estimate (percent) |
|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------|
| UNITED STATES—Con. | | |
| West—Con. | | |
| Special trade contractors, total—Con. | | |
| Environmental control systems installation and service contractor | 419 835 | 11 |
| Escalator installation, service, and repair contractor | 68 631 | 1 |
| Excavation work: earthmoving or land clearing contractor, connected with buildings | 3 068 154 | 3 |
| Fence construction contractor | 832 621 | 4 |
| Fire and security systems installation and service | 860 331 | 8 |
| Flooring contractor: wood | 485 042 | 5 |
| Foundation contractor: brick, block, or stone | 92 246 | 12 |
| Foundation contractor: concrete | 1 456 509 | 4 |
| Foundation contractor, digging of | 268 573 | 9 |
| Framing contractor | 2 939 436 | 2 |
| Garage door and overhead door installation contractor | 493 470 | 8 |
| Glass and glazing contractor | 986 500 | 2 |
| Heating, ventilation and air-conditioning contractor (HVAC) | 6 250 887 | 3 |
| Highway lighting and signal installation and service | 480 572 | 8 |
| House moving contractor | 48 855 | 19 |
| Insulation contractor | 894 226 | 5 |
| Insulation contractor, pipe and duct work | 205 314 | 5 |
| Lathing contractor | 481 571 | 6 |
| Lawn sprinkler installation contractor | 196 142 | 17 |
| Marble, granite, and slate contractor: exterior | 86 443 | 4 |
| Marble, granite, and slate contractor: interior | 283 122 | 5 |
| Masonry contractor: brick or block | 1 564 781 | 3 |
| Masonry contractor: pointing, cleaning, or caulking | 59 505 | 15 |
| Mechanical contractor | 3 355 048 | 4 |
| Millwright and machine rigging contractor | 710 320 | 5 |
| Modular furniture systems attachment and installation contractor | 207 305 | 9 |
| Ornamental metal contractor | 172 408 | 6 |
| Paint and wallpaper removal contractor | 43 936 | 12 |
| Painting contractor | 2 946 147 | 2 |
| Paper hanging and wall covering contractor | 140 791 | 6 |
| Plastering contractor | 860 762 | 5 |
| Plumbing contractor | 5 188 182 | 3 |
| Precast concrete installation contractor | 54 752 | 20 |
| Radon remediation contractor | 5 882 | 20 |
| Refractory brick contractor | 172 180 | 10 |
| Refrigeration contractor | 449 152 | 13 |
| Reinforcing steel contractor | 813 416 | 4 |
| Resilient floor laying contractor | 325 247 | 4 |
| Roofing contractor | 3 993 263 | 3 |
| Sandblasting contractor, building exteriors | 67 959 | 11 |
| Scaffolding contractor | 109 632 | 3 |
| Septic system installation contractor | 192 085 | 24 |
| Service station equipment installation contractor | 238 698 | 8 |
| Sheet metal contractor, except HVAC and plumbing | 828 115 | 7 |
| Ship painting contractor | 22 015 | Z |
| Shotcrete contractor | 166 097 | 12 |
| Siding contractor | 340 067 | 9 |
| Specialty sheet metal contractor, including decking and metal ceilings | 171 369 | 12 |
| Steamfitting and piping contractor | 747 354 | 4 |
| Steel framing contractor | 74 790 | 13 |
| Stonework contractor | 191 134 | 9 |
| Storage tanks, metal, erection contractor | 200 194 | 10 |
| Structural steel erection contractor | 1 055 182 | 5 |
| Stucco contractor | 228 150 | 10 |
| Subdividing and preparing land owned by others | 156 676 | 6 |
| Swimming pool contractor | 982 366 | 4 |
| Telecommunications installation and service | 2 742 413 | 4 |
| Terrazzo contractor | 25 382 | 14 |
| Test boring or core drilling contractor for construction | 219 813 | 5 |
| Tile contractor | 948 534 | 3 |
| Tinting glass contractor | S | S |
| Traffic lane painting contractor | 139 764 | 13 |
| Waterproofing, dampproofing and fireproofing contractor | 368 613 | 5 |
| Water well drilling contractor | 527 564 | 4 |
| Welding contractor, operating at site of construction | 227 915 | 11 |
| Wrecking and demolition contractor, buildings and other structures | 408 362 | 3 |
| Other miscellaneous construction (special case) activities | 760 744 | 4 |
| Other construction activities, nec | 70 426 | 5 |
| Other business activities secondary to construction activities, total | 2 921 858 | 2 |
| Architectural services, secondary to construction activities | 59 352 | 11 |
| Asbestos abatement and lead paint removal contractor, secondary to construction activities | 45 399 | 2 |
| Building construction on land owned by you, for rent or lease (investment builder), secondary to construction activities | 206 016 | 20 |
| Engineering services, secondary to construction activities | 232 012 | 9 |
| Manufacturing—products manufactured and sold to others, secondary to construction activities | 364 393 | 7 |
| Mining—minerals produced and sold to others, secondary to construction activities | 141 817 | 16 |
| Other business activities, secondary to construction activities, nec | 337 449 | 3 |
| Real estate commissions and property management fees, secondary to construction activities | 152 861 | 7 |
| Rental of construction machinery or equipment to others, without an operator, secondary to construction activities | 88 272 | 4 |
| Rental or lease of properties, secondary to construction activities | 227 643 | 4 |
| Retail trade, secondary to construction activities | 680 162 | 4 |
| Transportation of goods for others, secondary to construction activities | 126 657 | 7 |
| Wholesale trade, secondary to construction activities | 259 823 | 5 |
| Kind of business activity, nsk | 1 688 075 | 3 |

Appendix A.

Explanation of Terms

ALL EMPLOYEES

Comprise all full-time and part-time employees on the payroll of construction establishments, who worked or received pay for any part of the pay period including the 12th of March, May, August, and November. Included are all persons on paid sick leave, paid holidays, and paid vacations during these pay periods. Officers of corporations are included, but proprietors and partners of unincorporated firms are not. Number of employees is the sum of all employees during the pay periods including the 12th of March, May, August, and November, divided by 4.

BEGINNING-OF-YEAR GROSS BOOK VALUE OF DEPRECIABLE ASSETS (\$1,000)

Gross value of depreciable assets, usually original costs of the assets, at the beginning of the year. Depreciable assets are the fixed tangible property of the establishment for which depreciation accounts are ordinarily maintained.

BEGINNING-OF-YEAR INVENTORIES OF MATERIALS AND SUPPLIES (\$1,000)

The inventories of materials and supplies owned at the beginning of the reporting year by establishments with payroll. Includes all of the materials and supplies that are owned regardless of where they are held. Excludes materials that are owned by others but held by the reporting establishment. Builders who built on their own account for sale were requested to exclude work in progress and finished units not sold from inventories. Inventories of multi-establishment companies were instructed to be reported by the establishment that is responsible for the inventories, even if these inventories were held at a separate location.

CAPITAL EXPENDITURES, OTHER THAN LAND (\$1,000)

Capital expenditures are those that were or will be charged to the fixed assets accounts and for which depreciation accounts are ordinarily maintained. Includes the cost of capital improvements that were made during the year that increased the value of property or adapted it for another use. Capital expenditures for leasehold improvements made to property leased from others are also included. Land expenditures are not included as capital expenditures. If any building or equipment had been acquired under a capital leasing arrangement that meet

the criteria set down by the Financial Accounting Standards Board (FASB), respondents were instructed to report the original cost or market value as a fixed asset and as a capital expenditure, if acquired in the reporting year. If the lease qualified as an operating lease, respondents were instructed not to include the value of the building and equipment as a fixed asset or capital expenditure. If capital expenditures were not recorded directly at the establishment level but handled centrally at a company or division level, respondents were requested to report appropriate estimates for the individual establishments.

CONSTRUCTION WORKERS

Includes all payroll workers up through the working supervisor level directly engaged in construction operations, such as painters, carpenters, plumbers, and electricians. Included are journeymen, mechanics, apprentices, laborers, truck drivers and helpers, equipment operators, and on-site record keepers and security guards. Supervisory employees above the working foreman level are excluded from this category and are included in the other employees category.

COST OF ALL OTHER FUELS AND LUBRICANTS (\$1,000)

Costs for fuels and lubricants purchased during the year from other companies or received from other establishments of the company and not included as costs in any of these categories: natural gas; manufactured gas; gasoline; and diesel fuel.

COST OF CONSTRUCTION WORK SUBCONTRACTED OUT TO OTHERS (\$1,000)

All costs for construction work subcontracted out to other construction contractors during the reporting year. Excluded from this item are costs to the reporting establishment for its purchases of materials, components, and supplies provided to a subcontractor for use, such costs are reported under costs for materials, components, and supplies. Also excluded are costs for the rental of machinery or equipment.

COST OF ELECTRICITY (\$1,000)

Costs for electric energy purchased during the year from other companies or received from other establishments of the company.

COST OF GASOLINE AND DIESEL FUEL (\$1,000)

Costs for gasoline and diesel fuel purchased during the year from other companies or received from other establishments of the company.

COST OF OFF-HIGHWAY USE OF GASOLINE AND DIESEL FUEL (\$1,000)

Includes the costs for gasoline and diesel fuel purchased during the reporting year for off-highway use. Off-highway fuel use is the use of fuel for trade, business, or income producing activity. In most cases, off-highway fuel use does not include use in a highway vehicle registered or required to be registered for use on public highways.

COST OF ON-HIGHWAY USE OF GASOLINE AND DIESEL FUEL (\$1,000)

Costs for gasoline and diesel fuel purchased during the year to fuel highway vehicles. A highway vehicle is any self-propelled vehicle designed to carry a load over public highways, whether or not also designed to perform other functions. Examples of vehicles designed to carry a load over public highways are passenger automobiles, trucks, and truck tractors. If a vehicle can be used for a combination of on-highway and off-highway uses and has one fuel tank, the fuel use is not considered off-highway. An example of this is a concrete-mixer truck where the truck engine operates both the engine and the mixing unit by a power take-off and is fueled by a single tank. None of the fuel used in this vehicle is off-highway because of the on-highway use. If the vehicle has separate fuel tanks and engines, the fuel in a tank used for non-highway use may be considered off-highway use.

COSTS OF MATERIALS, COMPONENTS, AND SUPPLIES (\$1,000)

Includes the costs for materials, components, and supplies used by establishments in the construction or reconstruction of buildings, structures, or other facilities and costs for materials bought and resold to others. Also includes costs made for direct purchases of materials, components, and supplies even though the purchases were subsequently provided to subcontractors for their use. Supplies include expendable tools which are charged to current accounts. Freight and other direct charges representing only that amount paid after discounts, and the value of materials, components, and supplies obtained from other establishments of the respondent's company. Excluded from this item are the cost of fuels, lubricants, electric energy, industrial and other specialized machinery and equipment such as printing presses; computer systems, that are not an integral part of a structure; and materials furnished to contractors by the owners of projects.

COST OF MATERIALS, COMPONENTS, SUPPLIES, AND FUELS (\$1,000)

Includes the costs for materials, components, supplies used by establishments in the construction or reconstruction of buildings, structures, or other facilities and costs for materials bought and resold to others. Also includes the costs for fuels that include gasoline, diesel fuel, and lubricants, and electric energy purchased during the year from other companies or received from other establishments of the company and costs for natural and manufactured gas, fuel oil, coal and coke products. Excluded from this item are industrial and other specialized machinery and equipment, such as printing presses; computer systems, that are not an integral part of a structure; materials furnished to contractors by the owners of projects.

COST OF NATURAL GAS AND MANUFACTURED GAS (\$1,000)

Costs for natural gas and manufactured gas purchased during the year from other companies or received from other establishments of the company.

COST OF REPAIRS TO BUILDING AND OTHER STRUCTURES (\$1,000)

Includes the cost of all repairs made to structures by outside companies or from other establishments of the same company. It includes only the cost of repairs necessary to maintain property. It excludes the cost of improvements that increase the value of property or the cost of adapting it for another use. Such costs are included in capital expenditures.

COST OF REPAIRS TO MACHINERY AND EQUIPMENT (\$1,000)

Includes the cost of all repairs made to machinery and equipment by outside companies or from other establishments of the same company. It includes only the cost of repairs necessary to maintain the machinery.

COST OF SELECTED POWER, FUELS, AND LUBRICANTS (\$1,000)

Included are costs for fuels including gasoline, diesel fuel, and lubricants, and electric energy purchased during the year from other companies or received from other establishments of the company. Also included are costs for natural gas, manufactured gas, fuel oil, coal and coke products.

DEPRECIATION CHARGES DURING YEAR (\$1,000)

The depreciation expenses of the establishment in the reporting year. These expenses are charged against depreciable assets which are the fixed tangible property of the establishment for which depreciation accounts are ordinarily maintained.

DOLLAR VALUE SIZE CLASS

Displays data for establishments with payroll that fall within each range of value of business done.

END-OF-YEAR GROSS BOOK VALUE OF DEPRECIABLE ASSETS (\$1,000)

The gross value of depreciable assets, plus any capital expenditures for new and use depreciable assets in the reporting year, minus the gross value of depreciable assets sold, retired, scrapped, destroyed, etc. in the reporting year.

END-OF-YEAR INVENTORIES OF MATERIALS AND SUPPLIES (\$1,000)

The inventories of materials and supplies owned at the end of the reporting year by establishments with payroll. Includes all of the materials and supplies that are owned regardless of where they are held. Excludes materials which are owned by others but held by the reporting establishment. Builders who build on their own account for sale were requested to exclude work in progress and finished units not sold from inventories. Inventories of multiestablishment companies were instructed to be reported by the establishment that is responsible for the inventories even if these inventories were held at a separate location.

FIRST-QUARTER PAYROLL (\$1,000)

Includes the gross earnings paid in the first quarter of the reporting year to all employees on the payroll of construction establishments. The first-quarter payroll period is January through March. Includes all forms of compensation such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, prior to such deductions as employees' Social Security contributions, withholding taxes, group insurance, union dues, and savings bonds. Includes salaries of officers of these establishments, if a corporation, but excludes payments to the proprietor or partners, if unincorporated.

FRINGE BENEFITS (\$1,000)

Includes expenditures made by the employer for legally required and voluntary fringe benefit programs for employees.

LEGALLY REQUIRED EXPENDITURES (\$1,000)

Includes expenditures made by the employer for Social Security contributions, unemployment compensation, workman's compensation, and state temporary disability payments.

LOCATION OF CONSTRUCTION WORK

Location of construction work refers to the state location where construction work is done. A construction establishment can be physically located in one state and perform construction activities in another state(s). Location of construction work identifies the state where construction work was done, not the actual physical location of the establishment.

NET VALUE OF CONSTRUCTION WORK (\$1,000)

The value of construction work less the cost of construction work subcontracted out to others.

NUMBER OF CONSTRUCTION WORKERS: QUARTERLY PAY PERIOD

Refers to the number of construction workers employed during a quarterly pay period. January to March includes the reported number of construction workers employed during the pay period including March 12. April to June includes the reported number of construction workers employed during the pay period including May 12. July to September includes the reported number of construction workers employed during the pay period including August 12. October to December includes the reported number of construction workers employed during the pay period including November 12.

NUMBER OF ESTABLISHMENTS

Includes all establishments that were in business at any time during the year. It covers all full-year and part-year operations. Construction establishments that were inactive or idle for the entire year were not included.

NUMBER OF ESTABLISHMENTS NOT REPORTING INVENTORIES

Includes all establishments with payroll that did not report a dollar amount for inventories of materials and supplies during the reporting year. It covers all full-year and part-year operations. Construction establishments that were inactive or idle for the entire year were not included.

NUMBER OF ESTABLISHMENTS WITH INVENTORIES

Includes all establishments with payroll that reported a dollar amount of inventory. Includes the number of establishments that were in business at any time during the year. It covers all full-year and part-year operations. Construction establishments that were inactive or idle for the entire year were not included.

NUMBER OF ESTABLISHMENTS WITH NO INVENTORIES

Includes all establishments with payroll that reported having no inventories of materials and supplies during the reporting year. Includes establishments that were in business at any time during the year. It covers all full-year and part-year operations. Construction establishments that were inactive or idle for the entire year were not included.

NUMBER OF OTHER EMPLOYEES: QUARTERLY PAY PERIOD

Refers to the number of other employees employed during a quarterly pay period. January to March includes the reported number of other workers employed during the pay period including March 12. April to June includes the reported number of other workers employed during the pay period including May 12. July to September includes the reported number of other workers employed during the pay period including August 12. October to December includes the reported number of other workers employed during the pay period including November 12.

NUMBER OF PROPRIETORS AND WORKING PARTNERS

These data were not collected on the census report forms. The data shown are based on crediting each sole proprietorship establishment with one active proprietor and each partnership establishment with two working partners.

OTHER BUSINESS RECEIPTS (\$1,000)

Includes business receipts not reported as value of construction work. This includes business receipts from retail and wholesale trade, rental of equipment without operator, manufacturing, transportation, legal services, insurance, finance, rental of property and other real estate operations, and other nonconstruction activities. Receipts for separately definable architectural and engineering work for others are also included here. Excluded are receipts from other business operations in foreign countries, and nonoperating income such as interest and dividends.

OTHER EMPLOYEES

Includes payroll employees in executive, purchasing, accounting, personnel, professional, technical activities, and routine office functions. Also included are supervisory employees above the working foreman level.

PAYROLL (\$1,000)

Includes the gross earnings paid in the reporting year to all employees on the payroll of construction establishments. It includes all forms of compensation such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, prior to deductions such as

employees' Social Security contributions, withholding taxes, group insurance, union dues, and savings bonds. The total includes salaries of officers of these establishments, if a corporation, but excludes payments to the proprietor or partners, if unincorporated.

PAYROLL: CONSTRUCTION WORKERS (\$1,000)

Includes the gross earnings paid in the reporting year to all construction workers on the payroll of construction establishments. It includes all forms of compensation such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, prior to deductions such as employees' Social security contributions, withholding taxes, group insurance, union dues, and savings bonds.

PAYROLL: OTHER EMPLOYEES (\$1,000)

Includes the gross earnings paid in the reporting year to all other employees on the payroll of construction establishments. It includes all forms of compensation such as salaries, wages, commissions, dismissal pay, bonuses, vacations and sick leave pay, prior to deductions such as employees' Social Security contributions, withholding taxes, group insurance, union dues, and savings bonds. Payroll of other employees excludes salaries of the proprietor or partners, if unincorporated.

PRIMARY AND OTHER KINDS OF BUSINESS ACTIVITIES

Displays dollar value of business done by primary construction business activity. Primary construction activity is construction activity that generates fifty-one percent or more of an establishment's dollar value of business done. Also displayed are other kinds of business activities. Other kinds of business activities include business receipts not reported as value of construction work. This item includes business receipts from retail and wholesale trade, rental of equipment without an operator, manufacturing, transportation, legal services, insurance, finance, rental of property and other real estate operations, and other nonconstruction activities. Receipts for separately definable architectural and engineering work for others are also included in other kinds of business activities.

PURCHASED COMMUNICATION SERVICES (\$1,000)

Includes all costs for communication services purchased from other companies or from other establishments of the company.

RENTAL COSTS FOR BUILDINGS (\$1,000)

Includes all costs for renting or leasing space and buildings. It excludes costs under agreements that are in effect conditional sales contracts such as capital leases. Such costs are included in capital expenditures.

RENTAL COSTS FOR MACHINERY AND EQUIPMENT (\$1,000)

Includes all costs for renting or leasing construction machinery and equipment, transportation equipment, production equipment, office equipment, furniture and fixtures, and scaffolding. It excludes costs for the rental of land. It also excludes costs under agreements that in effect are conditional sales contracts such as capital leases. Such costs are included in capital expenditures.

RENTAL COSTS FOR MACHINERY, EQUIPMENT, AND BUILDINGS (\$1,000)

Includes all costs for renting or leasing construction machinery and equipment, transportation equipment, production equipment, office equipment, furniture and fixtures, scaffolding, office space, and buildings. It excludes costs for the rental of land. It also excludes costs under agreements that in effect are conditional sales contracts such as capital leases. Such costs are included in capital expenditures.

RETIREMENTS AND DISPOSITION OF DEPRECIABLE ASSETS (\$1,000)

Includes the gross value of depreciable assets sold, retired, scrapped, destroyed, abandoned, etc., during the year. The values shown are the acquisition costs of the retired assets. This item also includes the value of assets (at acquisition cost rather than current market value) transferred to other establishments of the same company.

SELECTED COSTS (\$1,000)

Includes the costs for materials, components, and supplies; costs for construction work subcontracted out to others; and costs for selected power, fuels, and lubricants. Capital expenditures and rental costs for machinery, equipment, and structures are shown elsewhere.

SELECTED PURCHASED SERVICES (\$1,000)

Includes all costs for communication and repair to buildings and other structure services purchased from other companies or from other establishments of the company. It also includes the cost of all repairs made to structures and equipment by outside companies or from other establishments of the same company. It includes only the cost of repairs necessary to maintain property and equipment. It excludes the cost of improvements that increase the value of property or the cost of adapting it for another use. Such costs are included in capital expenditures.

TYPE OF CONSTRUCTION

Provides data by the types of buildings, structures, or other facilities being constructed or worked on by construction establishments in the reporting year. Respondents were instructed that each building, structure, or

other facility should be classified in terms of its function. For example, a restaurant building was to be classified in the restaurant category whether it was designed as a commercial restaurant building or an auxiliary unit of an educational institution. If respondents worked on more than one type of building or structure in a multibuilding complex, they were instructed to report separately for each building or type of structure. If they worked on a building that had more than one purpose; i.e., office and residential, or commercial, they were to classify the building by major purpose. In addition, all respondents were requested to report the percentage of the value of construction work done for new construction, additions, alterations, or reconstruction, and maintenance and repair work for each of these types.

Building Construction

- **Single-family houses, detached.** Includes all fully detached residential buildings constructed for one family use.
- **Single-family houses, attached, including townhouses and townhouse-type condominiums.** Includes all residential buildings with two or more living quarters side by side, completely independent of one another, and separated by an unbroken party or lot line wall from ground to roof.
- **Apartment buildings, apartment type condominiums, and cooperatives.** Includes apartment rentals, high-rise, low-rise, or any structures containing two or more housing units other than attached single-family houses.
- **All other residential buildings.** Includes dormitories, fraternity and sorority houses, and other nonhousekeeping residential structures.
- **Manufacturing and light industrial buildings.** Includes all manufacturing and light industrial buildings and plants that are used to house production and assembly activities. Note that industrial parks should be classified under its primary usage such as warehouses, office space, commercial or industrial type buildings. Heavy industrial facilities such as blast furnaces, petroleum refineries, and chemical complexes are not included in this category but are reported under non-building construction.
- **Manufacturing and light industrial warehouses.** Includes all warehouses which are intended for industrial activities.
- **Hotels and motels.** Includes hotels, motels, bed-and-breakfast inns, and tourist cabins intended for transient accommodations. Also included are hotel and motel conference centers.

- **Office buildings.** Includes all buildings that are used primarily for office space or for government administrative offices. Also included are banks or financial buildings that are three stories or more. Medical office buildings are reported under hospitals and institutional buildings.
 - **All other commercial buildings, nec (not elsewhere classified) such as stores, restaurants, and automobile service stations.** Includes all buildings that are intended for use primarily in the retail and service trades. For example, shopping centers, department stores, drug stores, restaurants, public garages, auto service stations, and one or two story bank or financial institutions.
 - **Commercial warehouses.** Includes distribution buildings and mini-storage units intended for commercial use. Also included are storage warehouses.
 - **Religious buildings.** Includes all buildings that are intended for religious services or functions such as churches, synagogues, convents, monasteries, and seminaries.
 - **Educational buildings.** Includes all buildings that are used directly in administrative and instructional activities such as colleges, universities, elementary and secondary schools, correspondence, commercial, and trade schools. Libraries, museums, and art galleries, as well as laboratories that are not a part of a manufacturing or commercial establishment, are also included.
 - **Health care and institutional buildings.** Includes hospitals, medical office buildings and all other buildings that are intended to provide health and institutional care such as clinics, infirmaries, sanitariums, nursing homes, homes for the aged, and orphanages.
 - **Public safety buildings.** Included detention centers, prisons, fire stations, and rescue squad buildings.
 - **Farm buildings, nonresidential.** Includes nonresidential farm buildings such as barns, poultry houses, implement sheds, and farm silos.
 - **Amusement, social, and recreational buildings.** Includes buildings that are used primarily for entertainment, social, and recreational activities such as sports arenas, convention centers, theaters, music halls, golf and country club buildings, skating rinks, fitness centers, bowling alleys, and indoor swimming pools.
 - **Other building construction.** Includes all types of residential and nonresidential building construction not shown elsewhere.
- Nonbuilding Construction**
- **Highways, streets, and related work such as installation of guardrails, highway signs, and lighting.** Includes streets, roads, alleys, sidewalks, curbs and gutters, culverts, right-of-way drainage, erosion control, and lighting. Also includes earthwork protective structures when used in connection with road improvements.
 - **Airport runways and related work.** Includes runways, taxiways, aprons, and related work.
 - **Private driveways and parking areas.** Includes all nonstructural parking areas and private driveways of all surface types.
 - **Bridges and elevated highways.** Includes viaducts and overpasses, roads, highways, railroads, and causeways built on structural supports.
 - **Tunnels.** Includes highway, pedestrian, railroad, and water distribution tunnels.
 - **Sewers, sewer lines, septic tanks, and related facilities.** Includes sanitary and storm sewers, pumping stations, septic systems, and related facilities.
 - **Water mains and related facilities.** Includes water supply systems, pumping stations, and related facilities.
 - **Pipeline construction other than sewer or water lines.** Includes pipelines for the transmission of gas, petroleum products, and liquefied gases.
 - **Power and communication transmission lines, towers, and related facilities.** Includes electric power lines, telephone and telegraph lines, fiber optic cables, cable television lines, television and radio towers, and electric light and power facilities.
 - **Power plants and cogeneration plants, except hydroelectric.** Includes electric and steam generating plants, cogenerating plants, and nuclear plants.
 - **Power plant, hydroelectric.** Includes all types of hydroelectric power generating plants.
 - **Blast furnaces, petroleum refineries, chemical complexes, etc.** Includes coke ovens and mining appurtenances such as tipples and washeries.
 - **Sewage treatment plants.** Includes sewage treatment and waste disposal plants.
 - **Water treatment plants.** Includes water filtration and water softening plants.
 - **Urban mass transit.** Includes subways, street cars, and light rail systems.
 - **Railroad construction.** Includes the construction of railroad beds, tracks, freight yards, and signal towers for systems other than urban mass transit.
 - **Conservation and development construction.** Includes land reclamation, irrigation projects, drainage canals, levees, jetties, breakwaters, and flood control projects.

- **Dam and reservoir construction.** Includes hydroelectric, water supply, and flood control dams and reservoirs.
- **Dry/Solid waste disposal.** Includes all dry/solid waste disposal sites where non hazardous waste is buried.
- **Harbor and port facilities.** Includes docks, piers, and wharves.
- **Marine construction.** Includes dredging, underwater rock removal, breakwaters, navigational channels, and locks.
- **Outdoor swimming pools.** Includes wading pools and reflecting pools.
- **Water storage facilities.** Includes aqueducts, water towers, and water tanks.
- **Tank storage facilities other than water.** Includes gasoline and oil storage tanks.
- **Fencing.** Includes all types of fencing.
- **Recreational facilities.** Includes athletic fields, golf courses, outdoor tennis courts, trails, and camps.
- **Billboards.** Includes all type of billboards.
- **Heavy military construction.** Includes all military nonbuilding such as missile sites and testing facilities, launch sites and underground command centers.
- **Ships.** Includes special trade contractors working on ships and boats such as painters, carpenters, joiners, electricians, etc.
- **Oilfields.** The majority of construction work occurring in oil fields is classified in Sector 21, Mining. For example, pipeline construction on oil and gas leases are classified in mining only up to the point where the distribution company takes over. At that point, pipeline construction activity is classified in Sector 23, Construction. Some secondary mining construction activities are classified in the construction sector. Examples of this include: road construction; land clearing contracting; land drainage contracting; and land leveling contracting.
- **Other nonbuilding construction, nec.** Includes all types of nonbuilding construction not elsewhere classified.

VALUE ADDED (\$1,000)

Value added is equal to value of business done, less costs for construction work subcontracted out to others and costs for materials, components, supplies, and fuels.

VALUE OF BUSINESS DONE (\$1,000)

Value of business done is the sum of value of construction work and other business receipts.

VALUE OF CONSTRUCTION WORK (\$1,000)

Includes the value of construction work done by general contractors, heavy construction contractors, and special trades contractors. Included are new construction, additions, alterations or reconstruction, and maintenance and repair construction work. Also includes the value of any construction work done by the reporting establishments for themselves. Speculative builders were instructed to include the value of buildings and other structures built or being built for sale in the reporting year, but not sold. They were to include the costs of such construction plus normal profit. Also included is the cost of construction work done on buildings for rent or lease. Establishments engaged in the sale and installation of construction components such as plumbing, heating, and central air-conditioning supplies and equipment; lumber and building materials; paint, glass, and wallpaper; and electrical and wiring supplies, elevators or escalators were instructed to include both the value for the installation and the receipts covering the price of the items installed. Excluded are the cost of industrial and other special machinery and equipment that are not an integral part of a structure, and value of work done from business operations in foreign countries.

VALUE OF CONSTRUCTION WORK: ADDITIONS, ALTERATIONS, OR RECONSTRUCTION (\$1,000)

Includes construction work which adds to the value or useful life of an existing building or structure or that adapts a building or structure to a new or different use. Included are major replacements of building systems, such as the installation of a new roof or heating system and the resurfacing of streets or highways. This contrasts to the repair of a hole in a roof or the routine patching of highways and streets that would be classified as maintenance and repair.

VALUE OF CONSTRUCTION WORK DONE IN THIS STATE (\$1,000)

Includes the value of construction work done in a state by general contractors, heavy construction contractors, and special trades contractors.

VALUE OF CONSTRUCTION WORK FOR ESTABLISHMENTS WITH INVENTORIES (\$1,000)

The value of construction work for establishments with payroll that reported a dollar amount of inventory in the reporting year.

VALUE OF CONSTRUCTION WORK FOR ESTABLISHMENTS WITH NO INVENTORIES (\$1,000)

The value of construction work for establishments with payroll that reported having no dollar amount of inventory in the reporting year.

VALUE OF CONSTRUCTION WORK: FOR SPECIALIZED TYPE (\$1,000)

Includes value of construction work for one of two specialized categories: types of construction; and kind-of-business activity. A construction establishment specializes in a type of construction when fifty-one percent or more of the construction work done is in one construction industry. The construction establishment reports each type of construction it performs as a percent of value of construction work. Types of construction refers to the types of buildings, structures, or facilities constructed or worked on by construction establishments in the reporting year. Specialization in types of construction displays data for establishments with payroll that falls within each percent range of specialization. A construction establishment specializes in a kind-of-business activity when fifty-one percent or more of the construction work done by the establishment is performed in one type of business activity. The construction establishment reports each kind-of-business activity engaged in as a percent of value of construction work. Kind-of-business activity refers to the kinds of business activities construction establishments perform throughout the reporting year. The following are examples of kind-of-business activity: highway and street construction; electrical contracting; carpentry contracting; and concrete contracting. Specialization in kind-of-business-activity displays data for establishments with payroll that fall within each percent range of specialization.

VALUE OF CONSTRUCTION WORK: MAINTENANCE AND REPAIR (\$1,000)

Includes incidental construction work that keeps a property in ordinary working condition. Excluded are trash and snow removal, lawn maintenance and landscaping, cleaning and janitorial services.

VALUE OF CONSTRUCTION WORK: NEW CONSTRUCTION (\$1,000)

Includes the complete, original building of structures and essential service facilities and the initial installation of integral equipment such as elevators and plumbing, heating, and air-conditioning supplies and equipment.

VALUE OF CONSTRUCTION WORK ON FEDERALLY OWNED PROJECTS (\$1,000)

The value of construction work for projects owned by the Federal government.

VALUE OF CONSTRUCTION WORK ON GOVERNMENT OWNED PROJECTS (\$1,000)

The value of construction work for the sum total of all projects owned by Federal, state, and local governments.

VALUE OF CONSTRUCTION WORK ON PRIVATELY OWNED PROJECTS (\$1,000)

The value of construction work for construction projects other than government owned projects.

VALUE OF CONSTRUCTION WORK ON STATE AND LOCALLY OWNED PROJECTS (\$1,000)

The value of construction work for the sum total of all projects owned by state and local governments.

VALUE OF CONSTRUCTION WORK SUBCONTRACTED IN FROM OTHERS (\$1,000)

Includes the value of construction work done by reporting establishments as subcontractors to other contractors or builders. Establishments were asked to report the approximate percent of total value of construction work accounted for by such work, and the percentages reported were applied to the reported value of construction work to develop a value for this item.

VALUE OF CONSTRUCTION WORK FOR ESTABLISHMENTS NOT REPORTING INVENTORIES (\$1,000)

The value of construction work for establishments that did not report a dollar amount for inventories of materials and supplies, and the value of construction work for establishments that did not complete a census form.

VOLUNTARY EXPENDITURES (\$1,000)

Includes expenditures made by the employer for life insurance premiums, pension plans, insurance premiums on hospital and medical plans, welfare plans, and union negotiated benefits.

Appendix B.

NAICS Codes, Titles, and Descriptions

23 CONSTRUCTION

The Construction sector comprises establishments primarily engaged in the construction of buildings and other structures, heavy construction (except buildings), additions, alterations, reconstruction, installation, and maintenance and repairs. Establishments engaged in demolition or wrecking of buildings and other structures, clearing of building sites, and sale of materials from demolished structures are also included. This sector also includes those establishments engaged in blasting, test drilling, landfill, leveling, earthmoving, excavating, land drainage, and other land preparation. The industries within this sector have been defined on the basis of their unique production processes. As with all industries, the production processes are distinguished by their use of specialized human resources and specialized physical capital. Construction activities are generally administered or managed at a relatively fixed place of business, but the actual construction work is performed at one or more different project sites.

This sector is divided into three subsectors of construction activities: (1) building construction and land subdivision and land development; (2) heavy construction (except buildings), such as highways, power plants, and pipelines; and (3) construction activity by special trade contractors.

Establishments classified in Subsector 233, Building, Developing, and General Contracting and Subsector 234, Heavy Construction, usually assume responsibility for an entire construction project, and may subcontract some or all of the actual construction work. Operative builders who build on their own account for sale, and land subdividers and land developers, who engage in subdividing real property into lots for sale, are included in Subsector 233, Building, Developing, and General Contracting. (Special trade contractors are included in Subsector 234, Heavy Construction, if they are engaged in activities primarily relating to heavy construction, such as grading for highways.) Establishments included in these subsectors operate as general contractors, design-builders, engineer-constructors, joint-venture contractors, and turnkey construction contractors. Establishments identified as construction management firms are also included.

Establishments classified in Subsector 235, Special Trade Contractors, are primarily engaged in specialized construction activities, such as plumbing, painting, and electrical work, and work for builders and general contractors under subcontract or directly for project owners. Establishments engaged in demolition or wrecking of

buildings and other structures, dismantling of machinery, excavating, shoring and underpinning, anchored earth retention activities, foundation drilling, and grading for buildings are also included in this subsector.

“Force account” construction is construction work performed by an establishment primarily engaged in some business other than construction, for its own account and use, and by employees of the establishment. This activity is not included in this industry sector unless the construction work performed is the primary activity of a separate establishment of the enterprise.

The installation of prefabricated building equipment and materials, such as elevators and revolving doors, is classified in the Construction sector. Installation work incidental to sales by employees of a manufacturing or retail establishment is classified as an activity of those establishments.

233 Building, Developing, and General Contracting

Industries in the Building, Developing, and General Contracting subsector comprises establishments primarily responsible for the entire construction (i.e., new work, additions, alterations, and repair) of building projects. Builders, developers, and general contractors, as well as land subdividers and land developers are included in this subsector. Establishments identified as construction management firms for building projects are also included. The construction work may be for others and performed by custom builders, general contractors, design builders, engineer-constructors, joint-venture contractors, and turnkey contractors, or may be on their own account for sale and performed by speculative or operative builders.

2331 Land Subdivision and Land Development

This NAICS Industry Group includes establishments classified in NAICS Industry 23311, Land Subdivision and Land Development.

23311 Land Subdivision and Land Development

This industry comprises establishments primarily engaged in subdividing real property into lots and/or developing building lots for sale.

233110 Land Subdivision and Land Development

This U.S. industry comprises establishments primarily engaged in subdividing real property into lots and/or developing building lots for sale.

The data published with NAICS code 233110 include the following SIC industries:

6552 Land subdividers and developers, except cemeteries

2332 Residential Building Construction

This NAICS Industry Group includes establishments classified in the following NAICS Industries: 23321, Single-Family Housing Construction; and 23322, Multifamily Housing Construction.

23321 Single-Family Housing Construction

This industry comprises establishments primarily responsible for the entire construction (i.e., new work, additions, alterations, and repairs) of single family residential housing units (e.g., single family detached houses, town houses, or row houses where each housing unit is separated by a ground-to-roof wall and where no housing units are constructed above or below). This industry includes establishments responsible for additions and alterations to mobile homes and on-site assembly of modular and prefabricated houses. Establishments identified as single family construction management firms are also included in this industry. Establishments in this industry may perform work for others or on their own account for sale as speculative or operative builders. Kinds of establishments include single family housing custom builders, general contractors, design builders, engineer-constructors, joint-venture contractors, and turnkey contractors.

233210 Single-Family Housing Construction

This U.S. industry comprises establishments primarily responsible for the entire construction (i.e., new work, additions, alterations, and repairs) of single family residential housing units (e.g., single family detached houses, town houses, or row houses where each housing unit is separated by a ground-to-roof wall and where no housing units are constructed above or below). This industry includes establishments responsible for additions and alterations to mobile homes and on-site assembly of modular and prefabricated houses. Establishments identified as single family construction management firms are also included in this industry. Establishments in this industry may perform work for others or on their own account for sale as speculative or operative builders. Kinds of establishments include single family housing custom builders, general contractors, design builders, engineer-constructors, joint-venture contractors, and turnkey contractors.

The data published with NAICS code 233210 include the following SIC industries:

1521 General contractors—single-family houses
1531 Operative builders (pt)
8741 Management services (pt)

23322 Multifamily Housing Construction

This industry comprises establishments primarily responsible for the entire construction (i.e., new work, additions, alterations, and repairs) of multifamily residential housing units (e.g., highrise, garden, and town house apartments where each unit is not separated by a ground-to-roof wall). The units may be constructed for sale as condominiums or cooperatives, or for rental as apartments. Establishments identified as multifamily construction management firms are also included in this industry. Establishments in this industry may perform work for others or on their own account for sale as speculative or operative builders. Kinds of establishments include multifamily housing general contractors, design builders, engineer-constructors, joint-venture contractors, and turnkey contractors.

233220 Multifamily Housing Construction

This U.S. industry comprises establishments primarily responsible for the entire construction (i.e., new work, additions, alterations, and repairs) of multifamily residential housing units (e.g., highrise, garden, and town house apartments where each unit is not separated by a ground-to-roof wall). The units may be constructed for sale as condominiums or cooperatives, or for rental as apartments. Establishments identified as multifamily construction management firms are also included in this industry. Establishments in this industry may perform work for others or on their own account for sale as speculative or operative builders. Kinds of establishments include multifamily housing general contractors, design builders, engineer-constructors, joint-venture contractors, and turnkey contractors.

The data published with NAICS code 233220 include the following SIC industries:

1522 General contractors—residential buildings, other than single-family (pt)
1531 Operative builders (pt)
8741 Management services (pt)

2333 Nonresidential Building Construction

This NAICS Industry Group includes establishments classified in the following NAICS Industries: 23331, Manufacturing and Industrial Building Construction; and 23332, Commercial and Institutional Building Construction.

23331 Manufacturing and Industrial Building Construction

This industry comprises establishments primarily responsible for the entire construction (i.e., new work, additions, alterations, and repairs) of manufacturing and industrial buildings (e.g., plants, mills, factories). Establishments identified as manufacturing and industrial building construction management firms are also included in

this industry. Kinds of establishments include manufacturing and industrial building general contractors, design builders, engineer-constructors, joint-venture contractors, and turnkey contractors.

233310 Manufacturing and Industrial Building Construction

This U.S. industry comprises establishments primarily responsible for the entire construction (i.e., new work, additions, alterations, and repairs) of manufacturing and industrial buildings (e.g., plants, mills, factories). Establishments identified as manufacturing and industrial building construction management firms are also included in this industry. Kinds of establishments include manufacturing and industrial building general contractors, design builders, engineer-constructors, joint-venture contractors, and turnkey contractors.

The data published with NAICS code 233310 include the following SIC industries:

- 1531 Operative builders (pt)
- 1541 General contractors—industrial buildings and warehouses (pt)
- 8741 Management services (pt)

23332 Commercial and Institutional Building Construction

This industry comprises establishments primarily responsible for the entire construction (i.e., new work, additions, alterations, and repairs) of commercial and institutional buildings (e.g., stores, schools, hospitals office buildings, public warehouses). Establishments identified as commercial and institutional building construction management firms are also included in this industry. Kinds of establishments include commercial and institutional building general contractors, design builders, engineer-constructors, joint-venture contractors, and turnkey contractors.

233320 Commercial and Institutional Building Construction

This U.S. industry comprises establishments primarily responsible for the entire construction (i.e., new work, additions, alterations, and repairs) of commercial and institutional buildings (e.g., stores, schools, hospitals office buildings, public warehouses). Establishments identified as commercial and institutional building construction management firms are also included in this industry. Kinds of establishments include commercial and institutional building general contractors, design builders, engineer-constructors, joint-venture contractors, and turnkey contractors.

The data published with NAICS code 233320 include the following SIC industries:

- 1522 General contractors—residential buildings, other than single-family (pt)
- 1531 Operative builders (pt)
- 1541 General contractors—industrial buildings and warehouses (pt)
- 1542 General contractors—nonresidential buildings, except industrial buildings and warehouses
- 8741 Management services (pt)

234 Heavy Construction

Industries in the Heavy Construction subsector group establishments that engage in the construction of heavy engineering and industrial projects (except buildings), for example, highways, power plants, and pipelines. The construction work performed may include new work, reconstruction, or repairs. Establishments identified as heavy construction management firms are also included. Establishments in this subsector usually assume responsibility for entire nonbuilding projects but may subcontract some or all of the actual construction work. Special trade contractors are included in this group if they are engaged in activities primarily related to heavy construction, for example, grading for highways. Kinds of establishments include heavy construction general contractors, design builders, engineer-constructors, and joint-venture contractors.

2341 Highway, Street, Bridge, and Tunnel Construction

This NAICS Industry Group includes establishments classified in the following NAICS industries: 23411, Highway and Street Construction; and 23412, Bridge and Tunnel Construction.

23411 Highway and Street Construction

This industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of highways (except elevated), streets, roads, or airport runways; (2) establishments identified as highway and street construction management firms; and (3) establishments identified as special trade contractors engaged in performing subcontract work primarily related to highway and street construction (e.g., grading for highways, installing guardrails, public sidewalk construction). Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include highway and street general contractors, design builders, engineer-constructors, and joint-venture contractors.

234110 Highway and Street Construction

This U.S. industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of highways (except elevated),

streets, roads, or airport runways; (2) establishments identified as highway and street construction management firms; and (3) establishments identified as special trade contractors engaged in performing subcontract work primarily related to highway and street construction (e.g., grading for highways, installing guardrails, public sidewalk construction). Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include highway and street general contractors, design builders, engineer-constructors, and joint-venture contractors.

The data published with NAICS code 234110 include the following SIC industries:

- 1611 Highway and street construction contractors, except elevated highways
- 8741 Management services (pt)

23412 Bridge and Tunnel Construction

This industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of bridges, viaducts, elevated highways, and tunnels; (2) establishments identified as bridge and tunnel construction management firms; and (3) establishments identified as special trade contractors primarily engaged in performing subcontract work related to bridge and tunnel construction. Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include bridge and tunnel general contractors, design builders, engineer-constructors, and joint-venture contractors.

234120 Bridge and Tunnel Construction

This U.S. industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of bridges, viaducts, elevated highways, and tunnels; (2) establishments identified as bridge and tunnel construction management firms; and (3) establishments identified as special trade contractors primarily engaged in performing subcontract work related to bridge and tunnel construction. Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include bridge and tunnel general contractors, design builders, engineer-constructors, and joint-venture contractors.

The data published with NAICS code 234120 include the following SIC industries:

- 1622 Bridge, tunnel, and elevated highway construction contractors
- 8741 Management services (pt)

2349 Other Heavy Construction

This industry group comprises establishments primarily engaged in heavy nonbuilding construction (except highway, street, bridge, and tunnel construction).

23491 Water, Sewer, and Pipeline Construction

This industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, rehabilitation, or repairs) of water mains, sewers, drains, gas mains, natural gas pumping stations, and gas and oil pipelines; (2) establishments identified as water, sewer, and pipeline construction management firms; and (3) establishments identified as special trade contractors engaged in activities primarily related to water, sewer, and pipeline construction. Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include water, sewer, and pipeline general contractors, design builders, engineer-constructors, and joint-venture contractors.

234910 Water, Sewer, and Pipeline Construction

This U.S. industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, rehabilitation, or repairs) of water mains, sewers, drains, gas mains, natural gas pumping stations, and gas and oil pipelines; (2) establishments identified as water, sewer, and pipeline construction management firms; and (3) establishments identified as special trade contractors engaged in activities primarily related to water, sewer, and pipeline construction. Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include water, sewer, and pipeline general contractors, design builders, engineer-constructors, and joint-venture contractors.

The data published with NAICS code 234910 include the following SIC industries:

- 1623 Water, sewer, pipeline, and communications and power line construction (pt)
- 8741 Management services (pt)

23492 Power and Communication Transmission Line Construction

This industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of electric power and communication transmission lines and towers, radio and television transmitting/receiving towers, cable laying, and cable television lines; (2) establishments identified as power and communication transmission line construction management firms; and (3) establishments identified as special trade contractors engaged in activities primarily related to power and communication transmission line construction. Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include power and communication transmission line general contractors, design builders, engineer-constructors, and joint-venture contractors.

234920 Power and Communication Transmission Line Construction

This U.S. industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of electric power and communication transmission lines and towers, radio and television transmitting/receiving towers, cable laying, and cable television lines; (2) establishments identified as power and communication transmission line construction management firms; and (3) establishments identified as special trade contractors engaged in activities primarily related to power and communication transmission line construction. Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include power and communication transmission line general contractors, design builders, engineer-constructors, and joint-venture contractors.

The data published with NAICS code 234920 include the following SIC industries:

- 1623 Water, sewer, pipeline, and communications and power line construction (pt)
- 8741 Management services (pt)

23493 Industrial Nonbuilding Structure Construction

This industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of heavy industrial nonbuilding structures, such as chemical complexes or facilities, cement plants, petroleum refineries, industrial incinerators, ovens, kilns, power plants (except hydroelectric plants), and nuclear reactor containment structures; (2) establishments identified as industrial nonbuilding construction management firms; and (3) establishments identified as special trade contractors engaged in activities primarily related to industrial nonbuilding construction. Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include industrial nonbuilding general contractors, design builders, engineer-constructors, and joint-venture contractors.

234930 Industrial Nonbuilding Structure Construction

This U.S. industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of heavy industrial nonbuilding structures, such as chemical complexes or facilities, cement plants, petroleum refineries, industrial incinerators, ovens, kilns, power plants (except hydroelectric plants), and nuclear reactor containment structures; (2) establishments identified as industrial nonbuilding construction management firms; and (3) establishments identified as special trade contractors engaged in activities primarily related to industrial nonbuilding construction.

Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include industrial nonbuilding general contractors, design builders, engineer-constructors, and joint-venture contractors.

The data published with NAICS code 234930 include the following SIC industries:

- 1629 Heavy construction, n.e.c. (pt)
- 8741 Management services (pt)

23499 All Other Heavy Construction

This industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of heavy nonbuilding construction projects (except highway, street, bridge, tunnel, water lines, sewer lines, pipelines, power and communication transmission lines, and industrial nonbuilding structures); (2) establishments identified as all other heavy construction management firms; (3) establishments primarily engaged in construction equipment rental with an operator; and (4) establishments identified as special trade contractors engaged in activities related primarily to all other heavy construction. Typical projects constructed by establishments in this industry include athletic fields, dams, dikes, docks, drainage projects, golf courses, harbors, parks, reservoirs, canals, sewage treatment plants, water treatment plants, hydroelectric plants, subways, and other mass transit projects. Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include heavy construction general contractors, design builders, engineer-constructors, and joint-venture contractors.

234990 All Other Heavy Construction

This U.S. industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of heavy nonbuilding construction projects (except highway, street, bridge, tunnel, water lines, sewer lines, pipelines, power and communication transmission lines, and industrial nonbuilding structures); (2) establishments identified as all other heavy construction management firms; (3) establishments primarily engaged in construction equipment rental with an operator; and (4) establishments identified as special trade contractors engaged in activities related primarily to all other heavy construction. Typical projects constructed by establishments in this industry include athletic fields, dams, dikes, docks, drainage projects, golf courses, harbors, parks, reservoirs, canals, sewage treatment plants, water treatment plants, hydroelectric plants, subways, and other mass transit projects. Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include heavy construction general contractors, design builders, engineer-constructors, and joint-venture contractors.

The data published with NAICS code 234990 include the following SIC industries:

1629 Heavy construction, n.e.c. (pt)

7353 Heavy construction equipment, rental and leasing (pt)

8741 Management services (pt)

235 Special Trade Contractors

Industries in the Special Trade Contractors subsector engage in specialized construction activities, such as plumbing, painting, and electrical work. Those establishments that engage in activities primarily related to heavy construction, such as grading for highways, are classified in Subsector 234, Heavy Construction. The activities of this subsector may be subcontracted from builders or general contractors or it may be performed directly for project owners. The construction work performed may include new work, additions, alterations, or maintenance and repairs. Special trade contractors usually perform most of their work at the job site, although they may have shops where they perform prefabrication and other work.

2351 Plumbing, Heating, and Air-Conditioning Contractors

This NAICS Industry Group includes establishments classified in NAICS Industry 23511, Plumbing, Heating, and Air-Conditioning Contractors.

23511 Plumbing, Heating, and Air-Conditioning Contractors

This industry comprises establishments primarily engaged in one or more of the following: (1) installing plumbing, heating, and air-conditioning equipment; (2) servicing plumbing, heating, and air-conditioning equipment; and (3) the combined activity of selling and installing plumbing, heating, and air-conditioning equipment. The plumbing, heating, and air-conditioning work performed includes new work, additions, alterations, and maintenance and repairs. The activities performed by these establishments range from duct fabrication and installation at the site to installation of refrigeration equipment, installation of sprinkler systems, and installation of environmental controls.

235110 Plumbing, Heating, and Air-Conditioning Contractors

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) installing plumbing, heating, and air-conditioning equipment; (2) servicing plumbing, heating, and air-conditioning equipment; and (3) the combined activity of selling and installing plumbing, heating, and air-conditioning equipment. The plumbing, heating, and air-conditioning work performed includes new work, additions, alterations, and

maintenance and repairs. The activities performed by these establishments range from duct fabrication and installation at the site to installation of refrigeration equipment, installation of sprinkler systems, and installation of environmental controls.

The data published with NAICS code 235110 include the following SIC industry:

1711 Plumbing, heating, and air-conditioning special trade contractors

This definition comes from the 1997 NAICS manual. However, for this industry, the 1997 Economic Census--Construction did not fully implement the conversion to NAICS. Data for NAICS industry 235110 do not include establishments whose primary activity is boiler cleaning. The NAICS definitions will be fully implemented with the 2002 Economic Census.

2352 Painting and Wall Covering Contractors

This NAICS Industry Group includes establishments classified in NAICS Industry 23521, Painting and Wall Covering Contractors.

23521 Painting and Wall Covering Contractors

This industry comprises establishments primarily engaged in interior or exterior painting and interior wall covering. The painting and wall covering work performed includes new work, additions, alterations, and maintenance and repairs. Activities performed by these establishments range from bridge, ship, and traffic lane painting to paint and wall covering removal.

235210 Painting and Wall Covering Contractors

This U.S. industry comprises establishments primarily engaged in interior or exterior painting and interior wall covering. The painting and wall covering work performed includes new work, additions, alterations, and maintenance and repairs. Activities performed by these establishments range from bridge, ship, and traffic lane painting to paint and wall covering removal.

The data published with NAICS code 235210 include the following SIC industries:

1721 Painting and paper hanging special trade contractors

1799 Special trade contractors, n.e.c. (pt)

2353 Electrical Contractors

This NAICS Industry Group includes establishments classified in NAICS Industry 23531, Electrical Contractors.

23531 Electrical Contractors

This industry comprises establishments primarily engaged in one or more of the following: (1) performing electrical work at the site (e.g., installing wiring); (2) servicing electrical equipment at the site; and (3) the combined activity of selling and installing electrical equipment. The electrical work performed includes new work, additions, alterations, and maintenance and repairs.

235310 Electrical Contractors

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) performing electrical work at the site (e.g., installing wiring); (2) servicing electrical equipment at the site; and (3) the combined activity of selling and installing electrical equipment. The electrical work performed includes new work, additions, alterations, and maintenance and repairs.

The data published with NAICS code 235310 include the following SIC industry:

1731 Electrical work special trade contractors

2354 Masonry, Drywall, Insulation, and Tile Contractors

This NAICS Industry Group includes establishments classified in the following NAICS Industries: 23541, Masonry and Stone Contractors; 23542, Drywall, Plastering, Acoustical, and Insulation Contractors; and 23543, Tile, Marble, Terrazzo, and Mosaic Contractors.

23541 Masonry and Stone Contractors

This industry comprises establishments primarily engaged in masonry work, stone setting, and other stone work. The masonry work, stone setting, and other stone work performed includes new work, additions, alterations, and maintenance and repairs. Activities performed by establishments in this industry range from the construction of foundations made of block, stone, or brick to glass block laying; exterior marble, granite and slate work; and tuck pointing.

235410 Masonry and Stone Contractors

This U.S. industry comprises establishments primarily engaged in masonry work, stone setting, and other stone work. The masonry work, stone setting, and other stone work performed includes new work, additions, alterations, and maintenance and repairs. Activities performed by establishments in this industry range from the construction of foundations made of block, stone, or brick to glass block laying; exterior marble, granite and slate work; and tuck pointing.

The data published with NAICS code 235410 include the following SIC industry:

1741 Masonry, stone setting, and other stone work special trade contractors

23542 Drywall, Plastering, Acoustical, and Insulation Contractors

This industry comprises establishments primarily engaged in drywall, plaster work, acoustical, and building insulation work. The drywall, plaster work, acoustical, and insulation work performed includes new work, additions,

alterations, and maintenance and repairs. Plaster work includes applying plain or ornamental plaster, including installation of lathing to receive plaster.

235420 Drywall, Plastering, Acoustical, and Insulation Contractors

This U.S. industry comprises establishments primarily engaged in drywall, plaster work, acoustical, and building insulation work. The drywall, plaster work, acoustical, and insulation work performed includes new work, additions, alterations, and maintenance and repairs. Plaster work includes applying plain or ornamental plaster, including installation of lathing to receive plaster.

The data published with NAICS code 235420 include the following SIC industries:

1742 Plastering, drywall, acoustical, and insulation work special trade contractors

1743 Terrazzo, tile, marble, and mosaic work special trade contractors (pt)

1771 Concrete work special trade contractors (pt)

23543 Tile, Marble, Terrazzo, and Mosaic Contractors

This industry comprises establishments primarily engaged in (1) setting and installing ceramic tile, marble (interior only), terrazzo, and mosaic and/or (2) mixing marble particles and cement to make terrazzo at the job site. The tile, marble, terrazzo, and mosaic work performed includes new work, additions, alterations, and maintenance and repairs.

235430 Tile, Marble, Terrazzo, and Mosaic Contractors

This U.S. industry comprises establishments primarily engaged in (1) setting and installing ceramic tile, marble (interior only), terrazzo, and mosaic and/or (2) mixing marble particles and cement to make terrazzo at the job site. The tile, marble, terrazzo, and mosaic work performed includes new work, additions, alterations, and maintenance and repairs.

The data published with NAICS code 235430 include the following SIC industry:

1743 Terrazzo, tile, marble, and mosaic work special trade contractors (pt)

2355 Carpentry and Floor Contractors

This NAICS Industry Group includes establishments classified in the following NAICS Industries: 23551, Carpentry Contractors; and 23552, Floor Laying and Other Floor Contractors.

23551 Carpentry Contractors

This industry comprises establishments primarily engaged in framing, carpentry, and finishing work. The carpentry work performed includes new work, additions,

alterations, and maintenance and repairs. Activities performed by establishments in this industry range from the installation of doors and windows to paneling, steel framing work, and ship joinery.

235510 Carpentry Contractors

This U.S. industry comprises establishments primarily engaged in framing, carpentry, and finishing work. The carpentry work performed includes new work, additions, alterations, and maintenance and repairs. Activities performed by establishments in this industry range from the installation of doors and windows to paneling, steel framing work, and ship joinery.

The data published with NAICS code 235510 include the following SIC industry:

1751 Carpentry work special trade contractors

23552 Floor Laying and Other Floor Contractors

This industry comprises establishments primarily engaged in the installation of resilient floor tile, carpeting, linoleum, and wood or resilient flooring. The floor laying and other floor work performed includes new work, additions, alterations, and maintenance and repairs.

235520 Floor Laying and Other Floor Contractors

This U.S. industry comprises establishments primarily engaged in the installation of resilient floor tile, carpeting, linoleum, and wood or resilient flooring. The floor laying and other floor work performed includes new work, additions, alterations, and maintenance and repairs.

The data published with NAICS code 235520 include the following SIC industry:

1752 Floor laying and other floor work special trade contractors, n.e.c.

2356 Roofing, Siding, and Sheet Metal Contractors

This NAICS Industry Group includes establishments classified in NAICS Industry 23561, Roofing, Siding, and Sheet Metal Contractors.

23561 Roofing, Siding, and Sheet Metal Contractors

This industry comprises establishments primarily engaged in the installation of roofing, siding, sheet metal work, and roof drainage-related work, such as downspouts and gutters. Activities performed by these establishments also include treating roofs (i.e., by spraying, painting, or coating), copper smithing, tin smithing, installing skylights, installing metal ceilings, flashing, duct work, and capping. The roofing, siding, and sheet metal work performed includes new work, additions, alterations, and maintenance and repairs.

235610 Roofing, Siding, and Sheet Metal Contractors

This U.S. industry comprises establishments primarily engaged in the installation of roofing, siding, sheet metal work, and roof drainage-related work, such as downspouts and gutters. Activities performed by these establishments also include treating roofs (i.e., by spraying, painting, or coating), copper smithing, tin smithing, installing skylights, installing metal ceilings, flashing, duct work, and capping. The roofing, siding, and sheet metal work performed includes new work, additions, alterations, and maintenance and repairs.

The data published with NAICS code 235610 include the following SIC industry:

1761 Roofing, siding, and sheet metal work special trade contractors

2357 Concrete Contractors

This NAICS Industry Group includes establishments classified in NAICS Industry 23571, Concrete Contractors.

23571 Concrete Contractors

This industry comprises establishments primarily engaged in the use of concrete and asphalt to produce parking areas, building foundations, structures, and retaining walls, and in the use of all materials to produce patios, private driveways, and private walks. Activities performed by these establishments include grout and shotcrete work. The concrete work performed includes new work, additions, alterations, and maintenance and repairs.

235710 Concrete Contractors

This U.S. industry comprises establishments primarily engaged in the use of concrete and asphalt to produce parking areas, building foundations, structures, and retaining walls, and in the use of all materials to produce patios, private driveways, and private walks. Activities performed by these establishments include grout and shotcrete work. The concrete work performed includes new work, additions, alterations, and maintenance and repairs.

The data published with NAICS code 235710 include the following SIC industry:

1771 Concrete work special trade contractors (pt)

2358 Water Well Drilling Contractors

This NAICS Industry Group includes establishments classified in NAICS Industry 23581, Water Well Drilling Contractors.

23581 Water Well Drilling Contractors

This industry comprises establishments primarily engaged in drilling, tapping, and capping of water wells, and geothermal drilling. The water well drilling work performed includes new work, servicing, and maintenance and repairs.

235810 Water Well Drilling Contractors

This U.S. industry comprises establishments primarily engaged in drilling, tapping, and capping of water wells, and geothermal drilling. The water well drilling work performed includes new work, servicing, and maintenance and repairs.

The data published with NAICS code 235810 include the following SIC industry:

1781 Water well drilling special trade contractors

2359 Other Special Trade Contractors

This industry group comprises establishments primarily engaged in specialized construction activities (except plumbing, painting, electrical, masonry, drywall, insulation, tile, carpentry, flooring work, roofing, siding, sheet metal, concrete, and water well drilling).

23591 Structural Steel Erection Contractors

This industry comprises establishments primarily engaged in one or more of the following: (1) erecting metal, structural steel, and similar products of prestressed or precast concrete to produce structural elements, building exteriors, and elevator fronts; (2) setting rods, bars, rebar, mesh, and cages, to reinforce poured-in-place concrete; and (3) erecting cooling towers and metal storage tanks. The structural steel erection work performed includes new work, additions, alterations, reconstruction, and maintenance and repairs.

235910 Structural Steel Erection Contractors

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) erecting metal, structural steel, and similar products of prestressed or precast concrete to produce structural elements, building exteriors, and elevator fronts; (2) setting rods, bars, rebar, mesh, and cages, to reinforce poured-in-place concrete; and (3) erecting cooling towers and metal storage tanks. The structural steel erection work performed includes new work, additions, alterations, reconstruction, and maintenance and repairs.

The data published with NAICS code 235910 include the following SIC industry:

1791 Structural steel erection special trade contractors

23592 Glass and Glazing Contractors

This industry comprises establishments primarily engaged in installing glass (i.e., glazing work) and/or tinting glass. The glass work performed includes new work, additions, alterations, and maintenance and repairs. 235920 Glass and Glazing Contractors This U.S. industry comprises establishments primarily engaged in installing

glass (i.e., glazing work) and/or tinting glass. The glass work performed includes new work, additions, alterations, and maintenance and repairs.

The data published with NAICS code 235920 include the following SIC industries:

1793 Glass and glazing work special trade contractors

1799 Special trade contractors, n.e.c. (pt)

23593 Excavation Contractors

This industry comprises establishments primarily engaged in preparing land for building construction. Activities performed by these establishments are drilling shafts, foundation digging, foundation drilling, and grading. The excavation work performed includes new work, additions, alterations, and repairs.

235930 Excavation Contractors

This U.S. industry comprises establishments primarily engaged in preparing land for building construction. Activities performed by these establishments are drilling shafts, foundation digging, foundation drilling, and grading. The excavation work performed includes new work, additions, alterations, and repairs.

The data published with NAICS code 235930 include the following SIC industry:

1794 Excavation work special trade contractors

23594 Wrecking and Demolition Contractors

This industry comprises establishments primarily engaged in the wrecking and demolition of buildings and other structures, including underground tank removal and the dismantling of steel oil tanks, except those for hazardous materials. The establishments engaged in wrecking and demolition work may or may not sell materials derived from demolishing operations.

235940 Wrecking and Demolition Contractors

This U.S. industry comprises establishments primarily engaged in the wrecking and demolition of buildings and other structures, including underground tank removal and the dismantling of steel oil tanks, except those for hazardous materials. The establishments engaged in wrecking and demolition work may or may not sell materials derived from demolishing operations.

The data published with NAICS code 235940 include the following SIC industry:

1795 Wrecking and demolition work special trade contractors

23595 Building Equipment and Other Machinery Installation Contractors

This industry comprises establishments primarily engaged in one or more of the following: (1) the installation or dismantling of building equipment, machinery or

other industrial equipment (except plumbing, heating, air conditioning or electrical equipment); (2) machine rigging; and (3) millwrighting. Types of equipment installed include automated and revolving doors, conveyor systems, dumbwaiters, dust collecting equipment, elevators, small incinerators, pneumatic tubes systems, and built-in vacuum cleaning systems. The building equipment and other machinery installation work performed includes new work, additions, alterations, and maintenance and repairs.

235950 Building Equipment and Other Machinery Installation Contractors

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) the installation or dismantling of building equipment, machinery or other industrial equipment (except plumbing, heating, air conditioning or electrical equipment); (2) machine rigging; and (3) millwrighting. Types of equipment installed include automated and revolving doors, conveyor systems, dumbwaiters, dust collecting equipment, elevators, small incinerators, pneumatic tubes systems, and built-in vacuum cleaning systems. The building equipment and other machinery installation work performed includes new work, additions, alterations, and maintenance and repairs.

The data published with NAICS code 235950 include the following SIC industry:

1796 Installation or erection of building equipment, special trade contractors, n.e.c.

23599 All Other Special Trade Contractors

This industry comprises establishments primarily engaged in specialized construction work, (except plumbing, painting, electrical, masonry, drywall, insulation, tile, carpentry, flooring, roofing, siding, sheet metal work, concrete work, glass and glazing, structural steel erection, excavation, wrecking and demolition, and building equipment installation work). Activities undertaken by these

establishments include constructing swimming pools and fences, house moving, waterproofing, dewatering, damp-proofing, fireproofing, and sandblasting; installing antennas, artificial turf, awnings, countertops, fire escapes, forms for poured concrete, gasoline pumps, lightning conductors, ornamental metal, shoring systems, and signs (on buildings); and specialized activities, such as bathtub refinishing, coating and glazing of concrete surfaces, gas leakage detection, insulation of pipes and boilers, mobile home site setup and tie-down, posthole digging, radon remediation, scaffolding work, and on-site welding. The other special trade work performed includes new work, additions, alterations, and maintenance and repairs.

235990 All Other Special Trade Contractors

This U.S. industry comprises establishments primarily engaged in specialized construction work, (except plumbing, painting, electrical, masonry, drywall, insulation, tile, carpentry, flooring, roofing, siding, sheet metal work, concrete work, glass and glazing, structural steel erection, excavation, wrecking and demolition, and building equipment installation work). Activities undertaken by these establishments include constructing swimming pools and fences, house moving, waterproofing, dewatering, damp-proofing, fireproofing, and sandblasting; installing antennas, artificial turf, awnings, countertops, fire escapes, forms for poured concrete, gasoline pumps, lightning conductors, ornamental metal, shoring systems, and signs (on buildings); and specialized activities, such as bathtub refinishing, coating and glazing of concrete surfaces, gas leakage detection, insulation of pipes and boilers, mobile home site setup and tie-down, posthole digging, radon remediation, scaffolding work, and on-site welding. The other special trade work performed includes new work, additions, alterations, and maintenance and repairs.

The data published with NAICS code 235990 include the following SIC industry:

1799 Special trade contractors, n.e.c. (pt)

Appendix C.

Coverage and Methodology

THE SAMPLE FRAME

The universe for the construction sector includes approximately 650,000 establishments. This includes only those construction establishments with at least one paid employee in 1997. Census reports were mailed to a sample of approximately 130,000 establishments.

The sample frame consisted of the entire construction universe; there were no subpopulations that were explicitly removed from the sample frame. The sample frame was compiled from a list of all construction companies in the active records of the Internal Revenue Service (IRS) and the Social Security Administration (SSA) which are subject to the payment of Federal Insurance Contributions Act taxes. Under special arrangements to safeguard their confidentiality, the U.S. Census Bureau obtains information on the location and classification of the companies, as well as their payroll and receipts data from these sources. Unfortunately, these sources do not provide establishment level information for companies with multiple locations. For multilocation companies, the establishment level information is directly obtained from the U.S. Census Bureau's Company Organization Survey.

While the IRS-SSA list usually provided sufficient classification information to assign a company to the proper economic sector, there were cases for which the information was incomplete or missing. A classification form was mailed to companies with insufficient information to be assigned to an industry. This form requested information on the nature of the company's activities. Companies determined to be in scope of the construction sector subsequent to the census mailout were treated as a supplement to the universe rather than part of the sample frame.

SAMPLE SELECTION

The major objective of the sample design was to provide a sample that would provide reliable estimates for each state and construction industry. A stratified random sample was designed. Within each state by industry cell, six strata were defined.

- Stratum 1 was comprised of approximately 12,000 establishments of companies that had operations of any type at more than one location. These establishments of multiunit companies were included in the construction sample with certainty.
- Strata 2-6 were comprised of single-location companies. For each industry, payroll cut-offs were determined at the U.S. level and used to define the payroll ranges for each of the strata 2-6 across all states.

All establishments in stratum 2 were included in the construction sample with certainty. These consisted of the largest single-location construction companies.

For strata 3-6, a random sample of establishments was selected. The general strategy was to sample the strata containing larger establishments at a higher rate than those containing small establishments. The minimum sample rate was 1 in 20.

For five industries, the U.S. population in the sample frame was quite small. For these industries, all establishments in the sample frame were included in the sample with certainty. These industries were as follows:

- SIC 1622: Bridge, Tunnel, and Elevated Highway Construction Contractors
- SIC 1795: Wrecking and Demolition Work
- SIC 1796: Installation or Erection of Building Equipment, Not Elsewhere Classified
- SIC 7353: Equipment Rental with Operators
- SIC 8741: Construction Management

ESTIMATION AND VARIANCES

Based on the response data, establishments were assigned to the appropriate NAICS industry. At each level of tabulation, unbiased estimates were derived by summing the weighted establishment data where the establishment sample weight was equal to the inverse of its probability of selection for the construction sample.

Variations of the estimated items were derived at the state level, industry, and by stratum using standard stratified random sample formulas. Variations were then aggregated to the publication levels for the computation of the relative standard errors.

RELIABILITY OF THE ESTIMATES

The estimates developed from the sample can differ somewhat from the results of a survey covering all companies in the sample lists but are otherwise conducted under essentially the same conditions as the actual sample survey. The estimates of the magnitude of the sampling errors (the difference between the estimates obtained and the results theoretically obtained from a comparable, complete-coverage survey) are provided by the standard errors of estimates.

The particular sample selected for the construction sector is one of many similar probability samples that, by chance, might have been selected under the same specifications. Each of the possible samples would yield somewhat different sets of results, and the standard errors are measures of the variation of all the possible sample estimates around the theoretically, comparable, complete-coverage values.

Estimates of the standard errors have been computed from the sample data. They are presented in the form of relative standard errors which are the standard errors divided by the estimated values to which they refer.

In conjunction with its associated estimate, the relative standard error may be used to define confidence intervals, or ranges, that would include the comparable, complete-coverage value for specified percentages of all the possible samples.

The complete-coverage value would be included in the range:

- From one standard error below to one standard error above the derived estimate for about two-thirds of all possible samples.
- From two standard errors below to two standard errors above the derived estimate for about 19 out of 20 of all possible samples.
- From three standard errors below to three standard errors above the derived estimate for nearly all samples.

An inference is that the comparable complete-survey result would fall within the indicated ranges and the relative frequencies shown. Those proportions, therefore, may be interpreted as defining the confidence that the estimates from a particular sample would differ from complete-coverage results by as much as one, two, or three standard errors, respectively.

For example, suppose an estimated total is shown at 50,000 with an associated relative standard error of 2 percent, that is, a standard error of 1,000 (2 percent of 50,000). There is approximately 67 percent confidence that the interval 49,000 to 51,000 includes the complete-coverage total, about 95 percent confidence that the interval 48,000 to 52,000 includes the complete-coverage total, and almost certain confidence that the interval 47,000 to 53,000 includes the complete-coverage total.

In addition to the sample errors, the estimates are subject to various response and operational errors: errors of collection; reporting; coding; transcription; imputation for nonresponse, etc. These operational errors also would occur if a complete canvass were to be conducted under the same conditions as the survey. Explicit measures of their effects generally are not available. However, it is believed that most of the important operational errors were detected and corrected during the U.S. Census Bureau's review of the data for reasonableness and consistency. The small operational errors usually remain. To

some extent, they are compensating in the aggregated totals shown. When important operational errors were detected too late to correct the estimates, the data were suppressed or were specifically qualified in the tables.

As derived, the estimated standard errors included part of the effect of the operational errors. The total errors, which depend upon the joint effect of the sampling and operational errors, are usually of the order of size indicated by the standard error, or moderately higher. However, for particular estimates, the total error may considerably exceed the standard errors shown. Any figures shown in the tables of this publication having an associated standard error exceeding 75 percent may be combined with higher level totals, creating a broader aggregate, which then may be of acceptable reliability.

INDUSTRY CLASSIFICATION OF ESTABLISHMENTS

Each establishment covered in the construction sector was classified in one of twenty eight industries in accordance with the industry definitions in the 1997 NAICS (North American Industry Classification System) manual. The U.S. Census Bureau first used NAICS to classify industries for 1997 economic census data. Prior to this the U.S. Census Bureau used SIC (Standard Industrial Classification) for industry classification. The differences between NAICS and SIC are outlined in Appendix A of the 1997 NAICS manual.

In the NAICS system, an industry is generally defined as a group of establishments that use similar processes or have similar business activities. To the extent practical, the system uses supply-based or production-oriented concepts in defining industries. The resulting group of establishments must be significant in terms of number, value added, value of business, and number of employees.

The coding system works in such a way that the definitions progressively become narrower with successive additions of numerical digits. In the construction sector for 1997, there are 3 subsectors (three-digit NAICS), 14 industry groups (four-digit NAICS), and 28 NAICS industries (five- and six-digit NAICS). The five-digit NAICS is supposed to be the level at which there is comparability with the Canadian and Mexican classification systems. However, agreement had not been reached with these countries at the time of the 1997 Economic Census regarding the classification of construction industries. The 28 five- and six-digit NAICS construction industries are the result of an expansion and a restructuring of the 26 four-digit SIC industries of 1987.

ESTABLISHMENT BASIS OF REPORTING

The construction sector is conducted on an establishment basis. A construction establishment is defined as a relatively permanent office or other place of business where the usual business activities related to construction

are conducted. With some exceptions, a relatively permanent office is one which has been established for the management of more than one project or job and which is expected to be maintained on a continuing basis. Such establishment activities include, but are not limited to, estimating, bidding, purchasing, supervising, and operation of the actual construction work being conducted at one or more construction sites. Separate construction reports were not required for each project or construction site.

Companies with more than one construction establishment were required to submit a separate report for each establishment operated during any part of the census year. The construction sector figures represent a tabulation of records for individual establishments rather than for companies.

If an establishment was engaged in construction and one or more distinctly different lines of economic activity at the same place of business, it was requested to file a separate report for each activity, provided that the activity was of substantial size and separate records were maintained. If a separate establishment report could not be prepared for each activity, then a construction report was

requested covering all activities of that establishment providing that the value of construction work exceeded the gross receipts from each of its other activities.

DUPLICATION IN VALUE OF CONSTRUCTION WORK

The aggregate of value of construction work reported by all construction establishments in each of the industry, geographic area, or other groupings contains varying amounts of duplication. This is because the construction work of one firm may be subcontracted to other construction firms and may also be included in the subcontractors' value of construction work. Also, part of the value of construction results from the use of products of nonconstruction industries as input materials. These products are counted in the nonconstruction industry as well as part of the value of construction. Value added avoids this duplication and is, for most purposes, the best measure for comparing the relative economic importance of industries or geographic areas. Value added for construction industries is defined as the dollar value of business done less costs for construction work subcontracted to others and payments for materials, components, supplies, and fuels.

Appendix D. Geographic Notes

Not applicable for this report.

Appendix E. Metropolitan Areas

Not applicable for this report.

Industry Summary

1997

Issued January 2000

EC97C23S-IS

1997 Economic Census

Construction

Subject Series



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1997 Economic Census

Construction

Subject Series



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-- Not applicable for this report.

Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the Nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the United States Code (Sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in 2 and 7.

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the Federal Government use the data to monitor economic activity and assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

ALL-NEW INDUSTRY CLASSIFICATIONS

Data from the 1997 Economic Census are published primarily on the basis of the North American Industry Classification System (NAICS), unlike earlier censuses, which were published according to the Standard Industrial Classification (SIC) system. NAICS is in the process of being adopted in the United States, Canada, and Mexico. Most economic census reports cover one of the following NAICS sectors:

| | |
|-------|--------------------------------|
| 21 | Mining |
| 22 | Utilities |
| 23 | Construction |
| 31-33 | Manufacturing |
| 42 | Wholesale Trade |
| 44-45 | Retail Trade |
| 48-49 | Transportation and Warehousing |
| 51 | Information |

| | |
|----|--------------------------------------------------------------------------|
| 52 | Finance and Insurance |
| 53 | Real Estate and Rental and Leasing |
| 54 | Professional, Scientific, and Technical Services |
| 55 | Management of Companies and Enterprises |
| 56 | Administrative and Support and Waste Management and Remediation Services |
| 61 | Educational Services |
| 62 | Health Care and Social Assistance |
| 71 | Arts, Entertainment, and Recreation |
| 72 | Accommodation and Foodservices |
| 81 | Other Services (except Public Administration) |

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), covered by the census of governments conducted by the Census Bureau.)

The 20 NAICS sectors are subdivided into 96 subsectors (three-digit codes), 313 industry groups (four-digit codes), and, as implemented in the United States, 1170 industries (five- and six-digit codes).

RELATIONSHIP TO SIC

While many of the individual NAICS industries correspond directly to industries as defined under the SIC system, most of the higher level groupings do not. Particular care should be taken in comparing data for retail trade, wholesale trade, and manufacturing, which are sector titles used in both NAICS and SIC, but cover somewhat different groups of industries. The industry definitions discuss the relationships between NAICS and SIC industries. Where changes are significant, it will not be possible to construct time series that include data for points both before and after 1997.

For 1997, data for auxiliary establishments (those functioning primarily to manage, service, or support the activities of their company's operating establishments, such as a central administrative office or warehouse) will not be included in the sector-specific reports. These data will be published separately.

GEOGRAPHIC AREA CODING

Accurate and complete information on the physical location of each establishment is required to tabulate the census data for the states, metropolitan areas (MAs), counties, parishes, and corporate municipalities including cities, towns, villages, and boroughs. Respondents were

required to report their physical location (street address, municipality, county, and state) if it differed from their mailing address. For establishments not surveyed by mail (and those single-establishment companies that did not provide acceptable information on physical location), location information from Internal Revenue Service tax forms is used as a basis for coding.

BASIS OF REPORTING

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, shop, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company.

DOLLAR VALUES

All dollar values presented are expressed in current dollars; i.e., 1997 data are expressed in 1997 dollars, and 1992 data, in 1992 dollars. Consequently, when making comparisons with prior years, users of the data should consider the changes in prices that have occurred.

All dollar values are shown in thousands of dollars.

AVAILABILITY OF ADDITIONAL DATA

Reports in Print and Electronic Media

All results of the 1997 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on compact discs (CD-ROM) for sale by the Census Bureau. Unlike previous censuses, only selected highlights are published in printed reports. For more information, including a description of electronic and printed reports being issued, see the Internet site, or write to U.S. Census Bureau, Washington, DC 20233-8300, or call Customer Services at 301-457-4100.

Special Tabulations

Special tabulations of data collected in the 1997 Economic Census may be obtained, depending on availability of time and personnel, in electronic or tabular form. The data will be summaries subject to the same rules prohibiting disclosure of confidential information (including name, address, kind of business, or other data for individual business establishments or companies) that govern the regular publications.

Special tabulations are prepared on a cost basis. A request for a cost estimate, as well as exact specifications on the type and format of the data to be provided, should be directed to the Chief of the division named below, U.S. Census Bureau, Washington, DC 20233-8300. To discuss a special tabulation before submitting specifications, call the appropriate division:

Manufacturing and Construction Division 301-457-4673
Service Sector Statistics Division 301-457-2668

HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Manufactures Census was the first time a census was taken apart from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some covering service trades in 1933. Censuses of construction, manufacturing, and the other business service censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated: providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other Federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census questionnaires.

The range of industries covered in the economic censuses expanded between 1967 and 1992. The census of construction industries began on a regular basis in 1967, and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census of agriculture collectively covered roughly 98 percent of all economic activity.

Printed statistical reports from the 1992 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. All of the census reports printed since 1967 are still available for sale on microfiche from the Census Bureau. CD-ROMs issued from the 1987 and 1992 Economic Censuses contain databases including nearly all data published in print, plus additional statistics, such as ZIP Code statistics, published only on CD-ROM.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1997 Economic Census and Related Statistics* at www.census.gov/econguide. More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1997 Economic Census* at www.census.gov/econ/www/history.html.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used with the 1997 Economic Census data:

| | |
|---|------------------------------------------------------------------------------------------------------|
| A | Standard error of 100 percent or more. |
| D | Withheld to avoid disclosing data of individual companies; data are included in higher level totals. |
| F | Exceeds 100 percent because data include establishments with payroll exceeding revenue. |
| N | Not available or not comparable. |
| Q | Revenue not collected at this level of detail for multiestablishment firms. |
| S | Withheld because estimates did not meet publication standards. |

| | |
|------|----------------------------------------------------------------------------|
| V | Represents less than 50 vehicles or .05 percent. |
| X | Not applicable. |
| Y | Disclosure withheld because of insufficient coverage of merchandise lines. |
| Z | Less than half the unit shown. |
| a | 0 to 19 employees. |
| b | 20 to 99 employees. |
| c | 100 to 249 employees. |
| e | 250 to 499 employees. |
| f | 500 to 999 employees. |
| g | 1,000 to 2,499 employees. |
| h | 2,500 to 4,999 employees. |
| i | 5,000 to 9,999 employees. |
| j | 10,000 to 24,999 employees. |
| k | 25,000 to 49,999 employees. |
| l | 50,000 to 99,999 employees. |
| m | 100,000 employees or more. |
| p | 10 to 19 percent estimated. |
| q | 20 to 29 percent estimated. |
| r | Revised. |
| s | Sampling error exceeds 40 percent. |
| nec | Not elsewhere classified. |
| nsk | Not specified by kind. |
| – | Represents zero (page image/print only). |
| (CC) | Consolidated city. |
| (IC) | Independent city. |

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Construction

SCOPE

Construction, sector 23, includes establishments primarily engaged in construction work that have one or more paid employees. Construction work includes new construction work, additions, alterations, and repairs. Establishments identified as construction management firms are also included. The construction sector is divided into three types of activity or subsectors.

The Building, Developing, and General Contracting subsector includes establishments responsible for the construction of building projects. Builders, developers, and general contractors, as well as land subdividers and land developers are included in the subsector. The construction work may be done for others and performed by custom builders, general contractors, design builders, or turnkey contractors. This construction activity may be for sale as performed by speculative or operative builders.

The Heavy Construction subsector includes establishments engaged in the construction of heavy engineering and industrial projects (except buildings) such as highways, power plants, and pipelines. Establishments in this subsector usually assume responsibility for entire non-building projects, but may subcontract some or all of the actual construction work. Special trade contractors are included in this group if they are engaged in activities primarily related to heavy construction such as grading for highways. Kinds of establishments include heavy construction general contractors, and design builders.

The Special Trade Contractors subsector includes establishments engaged in specialized construction activities such as plumbing, painting, and electrical work. The activities in this subsector may be subcontracted from builders or general contractors, or the work may be performed directly for project owners. Special trade contractors usually perform most of their work at the job site, although they may have shops where they perform prefabrication and other work.

GENERAL

A list of publications that provide statistics on construction, sector 23, follows.

Industry reports. There are 28 separate industry reports. They present data for a six-digit North American Industry Classification System (NAICS) industry. A description of the particular NAICS industry may be found in

Appendix B. These reports include statistics such as number of establishments, employment, payroll, value added, cost of materials, value of business done, and capital expenditures. Explanations of these and other terms may be found in Appendix A. The industry reports also include selected statistics for states.

Geographic area reports. There is a separate report for each state, the District of Columbia, and the United States. They present statistics similar to the industry reports for each state. They also present selected six-digit NAICS level data.

Subject reports. The Industry series, U.S. Summary, and Geographic Area series, U.S. Summary, reports present selected statistics from the individual industry and geographic area reports, as well as higher level aggregations.

GEOGRAPHIC AREAS COVERED

The area reports for the construction industries contain state and regional level data. No substate data are available.

While most of the state data in the industry series reports are by physical location of the establishment, some data are available by reported location of the construction work.

The regions are made up of groups of states as follows:

NORTHEAST

Connecticut
Maine
Massachusetts
New Hampshire
New Jersey
New York
Pennsylvania
Rhode Island
Vermont

MIDWEST

Illinois
Indiana
Iowa
Kansas
Michigan
Minnesota
Missouri
Nebraska

North Dakota
Ohio
South Dakota
Wisconsin

SOUTH

Alabama
Arkansas
Delaware
District of Columbia
Florida
Georgia
Kentucky
Louisiana
Maryland
Mississippi
North Carolina
Oklahoma
South Carolina
Tennessee
Texas
Virginia
West Virginia

WEST

Alaska
Arizona
California
Colorado
Hawaii
Idaho
Montana
Nevada
New Mexico
Oregon
Utah
Washington
Wyoming

COMPARABILITY OF THE 1992 AND 1997 CENSUSES

The adoption of the North American Industry Classification System (NAICS) had a major impact on the comparability of data between the 1992 and 1997 censuses. Less than half of the industries in the construction sector of NAICS have comparable industries in the Standard Industrial Classification (SIC) system that was used for past censuses. Because of the lack of comparable data, historic data are not shown for this sector.

Lead paint removal and asbestos abatement left the construction sector with the introduction of NAICS. Many changes took place within the sector, or from business

activity coming into the sector. Much of the change came from adding management services to each of the construction industries in the building, developing, and general contracting subsector and the heavy construction subsector. Also, land subdividers and developers, and rental of construction equipment with an operator were added to the sector.

Another change is that data for establishments with no employees are no longer included in the construction reports, but are available in other report series.

DISCLOSURE

In accordance with Federal law governing census reports (Title 13 of the United States Code), no data are published that would disclose the operations of an individual establishment or company. However, the number of establishments classified in a specific industry or geography is not considered a disclosure, and may be released even when other information is withheld. Suppressed data are included in higher-level totals.

AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

The County Business Patterns program of the U.S. Census Bureau offers annual statistics on the number of establishments, employment, and payroll classified by industry within each county and state.

The U.S. Census Bureau's monthly Construction Reports, Series C30, Value of New Construction Put in Place contain data related to construction sector census data. The main difference is that the C30 series covers all new construction put in place without regard to who is performing the construction activity. The construction sector census data covers both new construction and maintenance and repair work done by establishments classified in the construction industries. Significant amounts of construction are done by establishments classified outside of construction (real estate, manufacturing, utilities, and communications, for example), as both "force account" construction and construction done for others. In addition, the C30 series includes construction-related expenses such as architectural and engineering costs and the costs of materials supplied by owners which are normally not reflected in construction sector census data.

Data contained in the 1997 construction sector may also differ from industry data in Employment and Earnings Statistics, published by the Bureau of Labor Statistics and Statistics of Income, published by the Internal Revenue Service. These differences arise from varying definitions of scope, coverage, timing, classification, and methodology.

Table 1. 1997 Data Showing the Derivation of the NAICS Classification Based on the SIC Classification

[NAICS codes appear in bold type. Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For a more detailed title for each SIC code shown, see Appendix F]

| NAICS and SIC code | Industry | Number of establishments | Total number of employees | Payroll, all employees | Value of construction work | Net value of construction work | Value added | Cost of materials, components, supplies, and fuels | Capital expenditures, other than land |
|--------------------|-------------------------------------------------------------------------|--------------------------|---------------------------|------------------------|----------------------------|--------------------------------|--------------------|----------------------------------------------------|---------------------------------------|
| | | A | B | C | D | E | F | G | H |
| 23 | Construction | 656 448 | 5 664 853 | 174 184 608 | 845 543 552 | 612 209 024 | 383 845 728 | 241 400 736 | 15 063 943 |
| 233 | Building, developing, & general contracting | 199 289 | 1 342 953 | 42 546 112 | 381 641 600 | 198 826 896 | 120 322 720 | 83 788 504 | 3 037 957 |
| 152100 | General contractors—single-family houses | 116 537 | 438 033 | 10 314 481 | 78 546 104 | 52 802 444 | 29 210 228 | 24 426 964 | 820 494 |
| 152210 | General contr—residential bldgs, other than single-family (pt) | 1 112 | 13 807 | 500 308 | 4 882 751 | 2 422 387 | 1 614 314 | 853 544 | 25 284 |
| 152220 | General contr—residential bldgs, other than single-family (pt) | 6 341 | 47 742 | 1 396 445 | 10 929 329 | 5 527 400 | 2 840 835 | 2 816 644 | 71 959 |
| 153110 | Operative builders (pt) | 19 781 | 125 106 | 4 402 202 | 66 965 120 | 39 024 196 | 22 611 456 | 17 285 812 | 375 850 |
| 153120 | Operative builders (pt) | 693 | 8 541 | 274 426 | 2 816 386 | 1 459 644 | 770 259 | 774 978 | 20 167 |
| 153130 | Operative builders (pt) | 85 | 1 555 | 61 512 | 461 000 | 257 168 | 238 794 | 51 004 | 2 644 |
| 153140 | Operative builders (pt) | 441 | 3 743 | 132 383 | 1 727 950 | 1 233 152 | 1 134 451 | 337 753 | 11 994 |
| 154110 | General contractors—industrial buildings & warehouses (pt) | 1 910 | 19 856 | 638 605 | 5 468 494 | 2 678 384 | 1 679 881 | 1 054 897 | 56 063 |
| 154120 | General contractors—industrial buildings & warehouses (pt) | 6 800 | 138 294 | 4 926 683 | 32 185 042 | 16 581 370 | 9 917 935 | 7 139 695 | 300 474 |
| 154200 | General contractors—nonresidential bldgs, exc indust bldgs/whses | 30 817 | 472 611 | 17 205 060 | 157 182 656 | 62 498 744 | 38 109 604 | 26 002 242 | 1 011 750 |
| 655200 | Land subdividers and developers, except cemeteries | 8 186 | 41 827 | 1 509 773 | 13 635 521 | 10 247 820 | 9 154 633 | 1 867 422 | 276 804 |
| 874121 | Management services (pt) | 2 531 | 7 852 | 247 901 | 1 287 544 | 975 532 | 764 238 | 234 967 | 14 769 |
| 874122 | Management services (pt) | 510 | 2 613 | 95 756 | 741 594 | 334 964 | 177 679 | 171 011 | 3 632 |
| 874123 | Management services (pt) | 395 | 3 216 | 140 772 | 868 300 | 363 541 | 273 115 | 105 571 | 6 770 |
| 874124 | Management services (pt) | 3 150 | 18 156 | 699 805 | 3 943 827 | 2 420 149 | 1 825 292 | 666 000 | 39 303 |
| 234 | Heavy construction | 42 557 | 880 400 | 30 291 850 | 127 841 600 | 105 639 352 | 68 775 976 | 39 816 292 | 5 313 180 |
| 161100 | Highway & street construction contractors, exc elevated highways | 11 162 | 277 073 | 9 472 264 | 48 347 180 | 39 026 188 | 22 923 202 | 17 676 596 | 2 184 441 |
| 162200 | Bridge, tunnel, & elevated highway construction contractors | 1 171 | 47 681 | 1 843 671 | 9 530 810 | 7 165 568 | 4 488 512 | 2 694 099 | 242 191 |
| 162310 | Water, sewer, pipeline, & communications & power line constr (pt) | 8 013 | 162 401 | 5 514 426 | 22 173 112 | 19 107 938 | 12 265 614 | 7 057 640 | 944 702 |
| 162320 | Water, sewer, pipeline, & communications & power line constr (pt) | 3 236 | 73 584 | 2 366 099 | 7 730 180 | 6 677 798 | 5 155 237 | 1 592 319 | 426 635 |
| 162910 | Heavy construction, n.e.c. (pt) | 484 | 97 883 | 3 687 795 | 9 058 877 | 7 974 710 | 6 163 487 | 1 863 475 | 133 317 |
| 162920 | Heavy construction, n.e.c. (pt) | 15 475 | 192 974 | 6 333 978 | 27 318 228 | 22 631 066 | 15 286 024 | 8 122 920 | 1 147 642 |
| 735320 | Heavy construction equipment rental (pt) .. | 2 295 | 23 586 | 834 076 | 2 524 507 | 2 349 906 | 1 962 928 | 597 203 | 217 358 |
| 874131 | Management services (pt) | 108 | 906 | 55 362 | 125 104 | 75 896 | 60 708 | 23 049 | 4 616 |
| 874132 | Management services (pt) | 6 | 84 | 3 489 | 8 231 | 6 434 | 5 044 | 1 752 | 76 |
| 874133 | Management services (pt) | 29 | 165 | 7 855 | 30 947 | 18 801 | 14 484 | 4 705 | 347 |
| 874134 | Management services (pt) | 64 | 466 | 21 333 | 119 257 | 64 147 | 46 186 | 18 264 | 1 624 |
| 874135 | Management services (pt) | 547 | 672 | 34 568 | 196 339 | 154 946 | 125 211 | 31 230 | 2 079 |
| 874136 | Management services (pt) | 465 | 2 926 | 116 935 | 678 827 | 385 953 | 279 340 | 133 042 | 8 153 |
| 235 | Special trade contractors | 414 602 | 3 441 500 | 101 346 648 | 336 060 352 | 307 742 752 | 194 747 056 | 117 795 936 | 6 712 807 |
| 171100 | Plumbing, heating, & air-conditioning special trade contractors | 84 876 | 788 930 | 25 720 160 | 87 330 176 | 78 496 384 | 46 576 808 | 33 016 838 | 1 361 596 |
| 172100 | Painting & paper hanging special trade contractors | 36 339 | 191 073 | 4 472 285 | 12 742 031 | 11 809 982 | 8 613 785 | 3 247 369 | 300 571 |
| 173100 | Electrical work special trade contractors .. | 61 414 | 641 985 | 21 680 036 | 64 260 292 | 61 121 104 | 38 580 524 | 23 195 354 | 1 015 851 |
| 174100 | Masonry, stone setting, & oth stone work special trade contr. | 22 614 | 164 236 | 4 068 498 | 12 231 875 | 11 438 477 | 7 593 673 | 3 910 609 | 231 463 |
| 174200 | Plastering, drywall, acoustical, & insul work special trade contr. | 19 333 | 256 538 | 7 258 262 | 21 652 598 | 19 475 684 | 12 674 453 | 7 054 884 | 255 610 |
| 174310 | Terrazzo, tile, marble, & mosaic work special trade contr (pt) | - | - | - | - | - | - | - | - |
| 174320 | Terrazzo, tile, marble, & mosaic work special trade contr (pt) | 6 847 | 39 755 | 1 064 176 | 3 491 653 | 3 290 990 | 1 992 726 | 1 339 614 | 47 905 |
| 175100 | Carpentry work special trade contractors .. | 44 858 | 230 409 | 5 490 471 | 20 311 034 | 18 006 142 | 11 031 365 | 7 306 600 | 251 195 |
| 175200 | Floor laying & other floor work special trade contractors, n.e.c. | 12 078 | 60 533 | 1 672 303 | 6 675 721 | 6 042 611 | 3 455 155 | 2 727 249 | 75 917 |
| 176100 | Roofing, siding, & sheet metal work special trade contractors | 30 557 | 253 315 | 6 494 890 | 23 967 096 | 21 976 038 | 13 220 789 | 8 941 505 | 417 129 |
| 177110 | Concrete work special trade contractors (pt) | 1 124 | 10 172 | 221 178 | 716 768 | 638 255 | 408 086 | 235 824 | 13 340 |
| 177120 | Concrete work special trade contractors (pt) | 30 417 | 262 256 | 6 858 140 | 25 848 848 | 23 603 728 | 14 159 429 | 9 762 065 | 701 491 |
| 178100 | Water well drilling special trade contractors | 3 862 | 21 214 | 576 191 | 2 191 264 | 2 131 884 | 1 331 018 | 831 824 | 128 956 |
| 179100 | Structural steel erection special trade contractors | 4 238 | 72 301 | 2 387 071 | 8 009 223 | 7 216 973 | 4 863 623 | 2 496 799 | 120 938 |
| 179300 | Glass & glazing work special trade contractors | 4 472 | 34 740 | 1 024 415 | 3 740 086 | 3 647 269 | 2 058 778 | 1 797 171 | 46 196 |
| 179400 | Excavation work special trade contractors .. | 18 229 | 116 237 | 3 353 874 | 13 746 608 | 12 216 146 | 9 086 184 | 3 576 930 | 994 656 |
| 179500 | Wrecking & demolition work special trade contractors | 1 542 | 18 820 | 592 176 | 2 164 162 | 1 913 892 | 1 732 366 | 321 372 | 109 871 |
| 179600 | Install or erection of bldg equip, special trade contr, n.e.c. | 4 489 | 75 501 | 3 148 030 | 9 215 174 | 8 605 993 | 6 616 349 | 2 117 398 | 181 015 |
| 179910 | Special trade contractors, n.e.c. (pt) | 1 141 | 4 258 | 71 211 | 273 652 | 239 596 | 173 654 | 66 387 | 5 817 |
| 179920 | Special trade contractors, n.e.c. (pt) | 242 | 1 084 | 27 136 | S | S | S | 28 973 | 1 245 |
| 179940 | Special trade contractors, n.e.c. (pt) | 25 932 | 198 141 | 5 166 152 | 17 401 280 | 15 783 854 | 10 513 530 | 5 821 174 | 452 047 |

Table 2. Employment Statistics for Establishments With Payroll by Industry: 1997

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| NAICS code | Industry | Number of establishments | Number of employees | | | Number of construction workers | | | | Payroll (thousand dollars) | | Relative standard error of estimate (percent) for column— |
|------------|--------------------------------------------------------------------|--------------------------|---------------------|------------------------------|------------------------|--------------------------------|-------------------------|---------------------------|--------------------|----------------------------|----------|-----------------------------------------------------------|
| | | | All | Con- struction workers | January to March | April to June | July to September | October to December | All employees | Construction workers | | |
| | | | | | | | | | | | A | |
| 23 | Construction | 656 448 | 5 664 853 | 4 332 737 | 3 974 166 | 4 357 708 | 4 603 709 | 4 395 365 | 174 184 608 | 119 676 792 | Z | |
| 233 | Building, developing, & general contracting .. | 199 289 | 1 342 953 | 885 939 | 831 434 | 887 038 | 934 236 | 891 048 | 42 546 112 | 23 135 832 | Z | |
| 2331 | Land subdivision & land development | 8 186 | 41 827 | 10 977 | 10 219 | 10 485 | 11 911 | 11 293 | 1 509 773 | 254 247 | 1 | |
| 23311 | Land subdivision & land development .. | 8 186 | 41 827 | 10 977 | 10 219 | 10 485 | 11 911 | 11 293 | 1 509 773 | 254 247 | 1 | |
| 2332 | Residential building construction | 146 394 | 629 887 | 407 801 | 385 220 | 411 710 | 428 547 | 405 728 | 16 731 210 | 8 762 122 | 1 | |
| 23321 | Single-family housing construction | 138 850 | 570 990 | 367 719 | 347 933 | 371 075 | 386 007 | 365 861 | 14 964 583 | 7 739 858 | 1 | |
| 23322 | Multifamily housing construction | 7 544 | 58 896 | 40 082 | 37 287 | 40 635 | 42 540 | 39 867 | 1 766 627 | 1 022 265 | 2 | |
| 2333 | Nonresidential building construction | 44 710 | 671 239 | 467 161 | 435 995 | 464 843 | 493 778 | 474 027 | 24 305 128 | 14 119 462 | Z | |
| 23331 | Mfg & industrial building construction ... | 7 280 | 143 066 | 107 180 | 101 768 | 106 997 | 111 065 | 108 890 | 5 128 967 | 3 322 347 | 1 | |
| 23332 | Commercial & institutional building construction | 37 430 | 528 173 | 359 981 | 334 226 | 357 846 | 382 713 | 365 138 | 19 176 160 | 10 797 116 | 1 | |
| 234 | Heavy construction | 42 557 | 880 400 | 710 898 | 605 243 | 734 889 | 778 318 | 725 140 | 30 291 850 | 22 218 582 | 1 | |
| 2341 | Highway, street, bridge, & tunnel construction | 12 448 | 325 743 | 265 267 | 201 409 | 282 188 | 308 977 | 268 495 | 11 374 786 | 8 473 898 | 1 | |
| 23411 | Highway & street construction | 11 270 | 277 979 | 227 066 | 168 468 | 242 136 | 266 449 | 231 211 | 9 527 626 | 7 095 139 | 1 | |
| 23412 | Bridge & tunnel construction | 1 177 | 47 764 | 38 201 | 32 942 | 40 052 | 42 529 | 37 283 | 1 847 160 | 1 378 759 | 2 | |
| 2349 | Other heavy construction | 30 109 | 554 657 | 445 630 | 403 834 | 452 702 | 469 341 | 456 645 | 18 917 064 | 13 744 685 | 1 | |
| 23491 | Water, sewer, & pipeline construction .. | 8 042 | 162 566 | 134 023 | 118 378 | 136 968 | 145 154 | 135 592 | 5 522 281 | 4 087 007 | 2 | |
| 23492 | Power & communication transmission line construction | 3 300 | 74 050 | 60 880 | 56 373 | 60 486 | 63 749 | 62 911 | 2 387 432 | 1 748 715 | 2 | |
| 23493 | Industrial nonbuilding structure construction | 531 | 98 555 | 79 473 | 77 706 | 81 784 | 76 152 | 82 252 | 3 722 363 | 2 734 020 | 2 | |
| 23499 | All other heavy construction | 18 236 | 219 486 | 171 254 | 151 376 | 173 463 | 184 287 | 175 891 | 7 284 989 | 5 174 943 | 1 | |
| 235 | Special trade contractors | 414 602 | 3 441 500 | 2 735 901 | 2 537 489 | 2 735 781 | 2 891 155 | 2 779 177 | 101 346 648 | 74 322 376 | Z | |
| 2351 | Plumbing, heating, & air-conditioning contractors | 84 876 | 788 930 | 599 940 | 575 724 | 594 608 | 622 656 | 606 774 | 25 720 160 | 18 279 714 | 1 | |
| 23511 | Plumbing, heating, & air-conditioning contractors | 84 876 | 788 930 | 599 940 | 575 724 | 594 608 | 622 656 | 606 774 | 25 720 160 | 18 279 714 | 1 | |
| 2352 | Painting & wall covering contractors | 37 480 | 195 331 | 160 740 | 142 809 | 162 077 | 179 422 | 158 651 | 4 543 495 | 3 430 534 | 1 | |
| 23521 | Painting & wall covering contractors | 37 480 | 195 331 | 160 740 | 142 809 | 162 077 | 179 422 | 158 651 | 4 543 495 | 3 430 534 | 1 | |
| 2353 | Electrical contractors | 61 414 | 641 985 | 510 921 | 482 658 | 498 478 | 532 341 | 530 209 | 21 680 036 | 16 261 157 | 1 | |
| 23531 | Electrical contractors | 61 414 | 641 985 | 510 921 | 482 658 | 498 478 | 532 341 | 530 209 | 21 680 036 | 16 261 157 | 1 | |
| 2354 | Masonry, drywall, insulation, & tile contractors | 49 917 | 470 701 | 407 700 | 381 763 | 410 433 | 427 505 | 411 098 | 12 612 114 | 10 072 956 | 1 | |
| 23541 | Masonry & stone contractors | 22 614 | 164 236 | 145 919 | 131 511 | 148 587 | 155 867 | 147 712 | 4 068 498 | 3 348 713 | 1 | |
| 23542 | Drywall, plastering, acoustical, & insulation contractors | 20 457 | 266 710 | 229 934 | 219 949 | 229 823 | 238 753 | 231 209 | 7 479 440 | 5 940 419 | 1 | |
| 23543 | Tile, marble, terrazzo, & mosaic contractors | 6 847 | 39 755 | 31 847 | 30 303 | 32 023 | 32 885 | 32 177 | 1 064 176 | 783 825 | 2 | |
| 2355 | Carpentry & floor contractors | 56 936 | 290 942 | 228 273 | 212 933 | 226 987 | 240 999 | 232 175 | 7 162 774 | 5 116 142 | 1 | |
| 23551 | Carpentry contractors | 44 858 | 230 409 | 185 610 | 172 661 | 185 313 | 195 586 | 188 882 | 5 490 471 | 4 086 221 | 1 | |
| 23552 | Floor laying & other floor contractors ... | 12 078 | 60 533 | 42 663 | 40 272 | 41 674 | 45 413 | 43 293 | 1 672 303 | 1 029 921 | 1 | |
| 2356 | Roofing, siding, & sheet metal contractors | 30 557 | 253 315 | 197 294 | 180 620 | 198 105 | 210 731 | 199 719 | 6 494 890 | 4 369 788 | 1 | |
| 23561 | Roofing, siding, & sheet metal contractors | 30 557 | 253 315 | 197 294 | 180 620 | 198 105 | 210 731 | 199 719 | 6 494 890 | 4 369 788 | 1 | |
| 2357 | Concrete contractors | 30 417 | 262 256 | 222 121 | 184 155 | 232 001 | 245 023 | 227 306 | 6 858 140 | 5 298 498 | 1 | |
| 23571 | Concrete contractors | 30 417 | 262 256 | 222 121 | 184 155 | 232 001 | 245 023 | 227 306 | 6 858 140 | 5 298 498 | 1 | |
| 2358 | Water well drilling contractors | 3 862 | 21 214 | 15 360 | 14 423 | 15 497 | 16 092 | 15 426 | 576 191 | 399 089 | 3 | |
| 23581 | Water well drilling contractors | 3 862 | 21 214 | 15 360 | 14 423 | 15 497 | 16 092 | 15 426 | 576 191 | 399 089 | 3 | |
| 2359 | Other special trade contractors | 59 143 | 516 824 | 393 552 | 362 405 | 397 595 | 416 387 | 397 821 | 15 698 852 | 11 094 501 | 1 | |
| 23591 | Structural steel erection contractors ... | 4 238 | 72 301 | 59 923 | 57 112 | 59 512 | 62 304 | 60 765 | 2 387 071 | 1 822 653 | 1 | |
| 23592 | Glass & glazing contractors | 4 714 | 35 823 | 23 207 | 22 119 | 22 485 | 24 015 | 24 211 | 1 051 551 | 623 662 | 1 | |
| 23593 | Excavation contractors | 18 229 | 116 237 | 92 830 | 80 039 | 94 835 | 101 640 | 94 806 | 3 353 874 | 2 525 857 | 2 | |
| 23594 | Wrecking & demolition contractors | 1 542 | 18 820 | 14 486 | 13 274 | 14 157 | 15 647 | 14 956 | 592 176 | 414 583 | 2 | |
| 23595 | Building equip & other machinery installation contractors | 4 489 | 75 501 | 56 211 | 54 835 | 55 680 | 57 155 | 57 174 | 3 148 030 | 2 260 145 | 1 | |
| 23599 | All other special trade contractors | 25 932 | 198 141 | 146 894 | 135 026 | 150 927 | 155 716 | 145 908 | 5 166 152 | 3 447 601 | 1 | |

Table 3. General Statistics for Establishments With Payroll by Industry: 1997

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| NAICS code | Industry | Value of construction work | Net value of construction work | Value added | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted out to others | Rental cost of machinery, equipment, and buildings | Capital expenditures, other than land | End-of-year gross book value of depreciable assets | Relative standard error of estimate (percent) for column— | |
|------------|-----------------------------------------------------------------|----------------------------|--------------------------------|--------------------|----------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|---------------------------------------|----------------------------------------------------|-----------------------------------------------------------|----------|
| | | A | B | C | D | E | F | G | H | B | G |
| 23 | Construction | 845 543 552 | 612 209 024 | 383 845 728 | 241 400 736 | 233 334 544 | 12 348 423 | 15 063 943 | 118 847 360 | Z | 1 |
| 233 | Building, developing, & general contracting | 381 641 600 | 198 826 896 | 120 322 720 | 83 788 504 | 182 814 720 | 2 341 357 | 3 037 957 | 22 304 406 | Z | 2 |
| 2331 | Land subdivision & land development | 13 635 521 | 10 247 820 | 9 154 633 | 1 867 422 | 3 387 700 | 80 840 | 276 804 | 1 746 086 | 1 | 6 |
| 23311 | Land subdivision & land development | 13 635 521 | 10 247 820 | 9 154 633 | 1 867 422 | 3 387 700 | 80 840 | 276 804 | 1 746 086 | 1 | 6 |
| 2332 | Residential building construction | 161 286 080 | 100 124 176 | 56 374 696 | 45 710 376 | 61 161 900 | 758 198 | 1 306 872 | 9 652 600 | 1 | 5 |
| 23321 | Single-family housing construction | 146 798 768 | 92 802 168 | 52 585 924 | 41 947 744 | 53 996 600 | 668 029 | 1 211 114 | 8 886 918 | 1 | 6 |
| 23322 | Multifamily housing construction | 14 487 308 | 7 322 008 | 3 788 773 | 3 762 633 | 7 165 301 | 90 169 | 95 759 | 765 683 | 3 | 6 |
| 2333 | Nonresidential building construction | 206 720 016 | 88 454 896 | 54 793 388 | 36 210 704 | 118 265 120 | 1 502 318 | 1 454 281 | 10 905 719 | 1 | 1 |
| 23331 | Mfg & industrial building construction | 33 514 342 | 17 202 078 | 10 429 844 | 7 296 270 | 16 312 262 | 347 686 | 309 888 | 2 485 399 | 1 | 2 |
| 23332 | Commercial & institutional building construction | 173 205 680 | 71 252 816 | 44 363 544 | 28 914 436 | 101 952 864 | 1 154 632 | 1 144 393 | 8 420 319 | 1 | 2 |
| 234 | Heavy construction | 127 841 600 | 105 639 352 | 68 775 976 | 39 816 292 | 22 202 246 | 4 297 718 | 5 313 180 | 45 846 272 | 1 | 1 |
| 2341 | Highway, street, bridge, & tunnel construction | 58 011 324 | 46 274 084 | 27 477 466 | 20 395 496 | 11 737 238 | 1 803 366 | 2 431 324 | 21 903 534 | 1 | 2 |
| 23411 | Highway & street construction | 48 472 284 | 39 102 084 | 22 983 910 | 17 699 646 | 9 370 199 | 1 546 990 | 2 189 057 | 19 603 764 | 1 | 2 |
| 23412 | Bridge & tunnel construction | 9 539 041 | 7 172 002 | 4 493 556 | 2 695 851 | 2 367 039 | 256 375 | 242 267 | 2 299 770 | 2 | 3 |
| 2349 | Other heavy construction | 69 830 272 | 59 365 264 | 41 298 512 | 19 420 796 | 10 465 008 | 2 494 352 | 2 881 856 | 23 942 738 | 1 | 1 |
| 23491 | Water, sewer, & pipeline construction | 22 204 058 | 19 126 738 | 12 280 098 | 7 062 344 | 3 077 320 | 880 428 | 945 049 | 7 704 027 | 2 | 3 |
| 23492 | Power & communication transmission line construction | 7 849 436 | 6 741 945 | 5 201 423 | 1 610 583 | 1 107 492 | 267 361 | 428 260 | 2 993 666 | 2 | 3 |
| 23493 | Industrial nonbuilding structure construction | 9 255 216 | 8 129 656 | 6 288 698 | 1 894 705 | 1 125 561 | 234 208 | 135 395 | 1 262 284 | 1 | 2 |
| 23499 | All other heavy construction | 30 521 562 | 25 366 926 | 17 528 292 | 8 853 164 | 5 154 637 | 1 112 355 | 1 373 152 | 11 982 762 | 1 | 2 |
| 235 | Special trade contractors | 336 060 352 | 307 742 752 | 194 747 056 | 117 795 936 | 28 317 580 | 5 709 350 | 6 712 807 | 50 696 684 | Z | 1 |
| 2351 | Plumbing, heating, & air-conditioning contractors | 87 330 176 | 78 496 384 | 46 576 808 | 33 016 838 | 8 833 796 | 1 315 324 | 1 361 596 | 9 891 859 | 1 | 1 |
| 23511 | Plumbing, heating, & air-conditioning contractors | 87 330 176 | 78 496 384 | 46 576 808 | 33 016 838 | 8 833 796 | 1 315 324 | 1 361 596 | 9 891 859 | 1 | 1 |
| 2352 | Painting & wall covering contractors | 13 015 683 | 12 049 579 | 8 787 438 | 3 313 756 | 966 104 | 241 717 | 306 388 | 1 914 670 | 1 | 2 |
| 23521 | Painting & wall covering contractors | 13 015 683 | 12 049 579 | 8 787 438 | 3 313 756 | 966 104 | 241 717 | 306 388 | 1 914 670 | 1 | 2 |
| 2353 | Electrical contractors | 64 260 292 | 61 121 104 | 38 580 524 | 23 195 354 | 3 139 188 | 818 635 | 1 015 851 | 7 612 438 | 1 | 1 |
| 23531 | Electrical contractors | 64 260 292 | 61 121 104 | 38 580 524 | 23 195 354 | 3 139 188 | 818 635 | 1 015 851 | 7 612 438 | 1 | 1 |
| 2354 | Masonry, drywall, insulation, & tile contractors | 38 092 892 | 34 843 408 | 22 668 938 | 12 540 930 | 3 249 485 | 498 316 | 548 317 | 4 100 836 | 1 | 2 |
| 23541 | Masonry & stone contractors | 12 231 875 | 11 438 477 | 7 593 673 | 3 910 609 | 793 398 | 195 487 | 231 463 | 1 745 715 | 1 | 2 |
| 23542 | Drywall, plastering, acoustical, & insulation contractors | 22 369 364 | 20 113 940 | 13 082 540 | 7 290 708 | 2 255 424 | 265 495 | 268 950 | 1 949 828 | 1 | 2 |
| 23543 | Tile, marble, terrazzo, & mosaic contractors | 3 491 653 | 3 290 990 | 1 992 726 | 1 339 614 | 200 663 | 37 334 | 47 905 | 405 292 | 2 | 4 |
| 2355 | Carpentry & floor contractors | 26 986 756 | 24 048 754 | 14 486 520 | 10 033 848 | 2 938 002 | 360 900 | 327 112 | 2 675 840 | 1 | 2 |
| 23551 | Carpentry contractors | 20 311 034 | 18 006 142 | 11 031 365 | 7 306 600 | 2 304 892 | 265 882 | 251 195 | 2 026 619 | 2 | 3 |
| 23552 | Floor laying & other floor contractors | 6 675 721 | 6 042 611 | 3 455 155 | 2 727 249 | 633 111 | 95 018 | 75 917 | 649 222 | 1 | 4 |
| 2356 | Roofing, siding, & sheet metal contractors | 23 967 096 | 21 976 038 | 13 220 789 | 8 941 505 | 1 991 057 | 335 273 | 417 129 | 3 127 915 | 1 | 2 |
| 23561 | Roofing, siding, & sheet metal contractors | 23 967 096 | 21 976 038 | 13 220 789 | 8 941 505 | 1 991 057 | 335 273 | 417 129 | 3 127 915 | 1 | 2 |
| 2357 | Concrete contractors | 25 848 848 | 23 603 728 | 14 159 429 | 9 762 065 | 2 245 119 | 511 485 | 701 491 | 5 930 597 | 1 | 2 |
| 23571 | Concrete contractors | 25 848 848 | 23 603 728 | 14 159 429 | 9 762 065 | 2 245 119 | 511 485 | 701 491 | 5 930 597 | 1 | 2 |
| 2358 | Water well drilling contractors | 2 191 264 | 2 131 884 | 1 331 018 | 831 824 | 59 380 | 47 545 | 128 956 | 1 318 427 | 2 | 5 |
| 23581 | Water well drilling contractors | 2 191 264 | 2 131 884 | 1 331 018 | 831 824 | 59 380 | 47 545 | 128 956 | 1 318 427 | 2 | 5 |
| 2359 | Other special trade contractors | 54 367 340 | 49 471 892 | 34 935 584 | 16 159 817 | 4 895 449 | 1 580 154 | 1 905 967 | 14 124 102 | 1 | 1 |
| 23591 | Structural steel erection contractors | 8 009 223 | 7 216 973 | 4 863 623 | 2 496 799 | 792 249 | 229 387 | 120 938 | 1 016 268 | 1 | 2 |
| 23592 | Glass & glazing contractors | 3 830 894 | 3 735 033 | 2 123 533 | 1 826 144 | 95 862 | 75 476 | 47 440 | 455 252 | 1 | 4 |
| 23593 | Excavation contractors | 13 746 608 | 12 216 146 | 9 086 184 | 3 576 930 | 1 530 462 | 601 267 | 994 656 | 7 913 730 | 2 | 3 |
| 23594 | Wrecking & demolition contractors | 2 164 162 | 1 913 892 | 1 732 366 | 321 372 | 250 269 | 105 796 | 109 871 | 790 383 | 2 | 4 |
| 23595 | Building equip & other machinery installation contractors | 9 215 174 | 8 605 993 | 6 616 349 | 2 117 398 | 609 181 | 172 141 | 181 015 | 1 090 008 | 1 | 2 |
| 23599 | All other special trade contractors | 17 401 280 | 15 783 854 | 10 513 530 | 5 821 174 | 1 617 426 | 396 088 | 452 047 | 2 858 463 | 1 | 2 |

Table 4. Detailed Statistics for Establishments With Payroll by Industry Group: 1997

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Item | Value | Relative standard error of estimate (percent) | Item | Value | Relative standard error of estimate (percent) |
|-------------------------------------------------------------------------|-------------|-----------------------------------------------|-------------------------------------------------------------------------|-------------|-----------------------------------------------|
| 23, CONSTRUCTION | | | 23, CONSTRUCTION—Con. | | |
| Number of establishments in business during year | 656 448 | Z | 233, Building, developing, & general contracting—Con. | | |
| Number of proprietors and working partners | 254 713 | 1 | Fringe benefits, all employees | 8 940 824 | Z |
| Total number of employees | 5 664 853 | Z | Legally required expenditures | 5 929 710 | Z |
| Number of construction workers in March | 3 974 166 | Z | Voluntary expenditures | 3 011 115 | Z |
| Number of construction workers in May | 4 357 708 | Z | Value of business done | 386 925 952 | Z |
| Number of construction workers in August | 4 603 709 | Z | Value of construction work | 381 641 600 | Z |
| Number of construction workers in November | 4 395 365 | Z | Value of construction work subcontracted in from others | 15 724 829 | 1 |
| Average number of construction workers | 4 332 737 | Z | Other business receipts | 5 284 326 | 3 |
| Number of other employees in March | 1 332 161 | Z | Net value of construction | 198 826 896 | Z |
| Number of other employees in May | 1 319 559 | Z | Value added | 120 322 720 | 1 |
| Number of other employees in August | 1 341 407 | Z | Selected costs | 266 603 232 | Z |
| Number of other employees in November | 1 335 334 | Z | Cost of materials, components, and supplies | 81 714 512 | 1 |
| Average number of other employees | 1 332 116 | Z | Cost of construction work subcontracted out to others | 182 814 720 | Z |
| Payroll, all employees | 174 184 608 | Z | Cost of selected power, fuels, and lubricants | 2 073 987 | 1 |
| Payroll, construction workers | 119 676 792 | Z | Cost of electricity | 630 266 | 1 |
| Payroll, other employees | 54 507 816 | Z | Cost of natural gas and manufactured gas | 143 553 | 1 |
| First-quarter payroll, all employees | 37 434 448 | Z | Cost of gasoline and diesel fuel | 1 226 530 | 1 |
| Fringe benefits, all employees | 41 422 476 | Z | Cost of on-highway use of gasoline and diesel fuel | 1 033 835 | 1 |
| Legally required expenditures | 25 692 444 | Z | Cost of off-highway use of gasoline and diesel fuel | 192 695 | 2 |
| Voluntary expenditures | 15 730 033 | Z | Cost of all other fuels and lubricants | 73 637 | 2 |
| Value of business done | 858 581 056 | Z | Rental cost for machinery, equipment, and buildings | 2 341 357 | 1 |
| Value of construction work | 845 543 552 | Z | Rental cost for machinery and equipment | 1 403 930 | 1 |
| Value of construction work subcontracted in from others | 237 691 136 | Z | Rental cost for buildings | 937 427 | 1 |
| Other business receipts | 13 037 464 | 1 | Selected purchased services | 2 627 847 | 1 |
| Net value of construction | 612 209 024 | Z | Purchased communication services | 1 314 818 | 1 |
| Value added | 383 845 728 | Z | Cost of repairs to buildings and other structures | 213 150 | 1 |
| Selected costs | 474 735 296 | Z | Cost of repairs to machinery and equipment | 1 099 879 | 1 |
| Cost of materials, components, and supplies | 231 144 048 | Z | Value of construction work | 381 641 600 | Z |
| Cost of construction work subcontracted out to others | 233 334 544 | Z | Value of construction work on government owned projects | 57 834 664 | 1 |
| Cost of selected power, fuels, and lubricants | 10 256 693 | Z | Value of construction work on federally owned projects | 14 362 134 | 1 |
| Cost of electricity | 1 740 763 | 1 | Value of construction work on state and locally owned projects | 43 472 528 | 1 |
| Cost of natural gas and manufactured gas | 1 514 783 | 1 | Value of construction work on privately owned projects | 323 806 944 | Z |
| Cost of gasoline and diesel fuel | 7 452 872 | Z | Beginning-of-year gross book value of depreciable assets | 20 309 334 | 1 |
| Cost of on-highway use of gasoline and diesel fuel | 5 335 645 | Z | Capital expenditures, other than land | 3 037 957 | 2 |
| Cost of off-highway use of gasoline and diesel fuel | 2 117 227 | 1 | Retirements and disposition of depreciable assets | 1 042 885 | 2 |
| Cost of all other fuels and lubricants | 548 275 | 1 | End-of-year gross book value of depreciable assets | 22 304 406 | 1 |
| Rental cost for machinery, equipment, and buildings | 12 348 423 | Z | Depreciation charges during year | 2 173 930 | 1 |
| Rental cost for machinery and equipment | 8 637 238 | 1 | Number of establishments with inventories | 35 348 | 1 |
| Rental cost for buildings | 3 711 185 | 1 | Value of construction work for establishments with inventories | 91 319 600 | 1 |
| Selected purchased services | 13 223 140 | Z | End of 1997, inventories of materials and supplies | 5 918 253 | 2 |
| Purchased communication services | 4 502 956 | Z | End of 1996, inventories of materials and supplies | 5 229 803 | 2 |
| Cost of repairs to buildings and other structures | 830 181 | 1 | Number of establishments with no inventories | 83 221 | 1 |
| Cost of repairs to machinery and equipment | 7 890 003 | Z | Value of construction work for establishments with no inventories | 199 513 040 | 1 |
| Value of construction work | 845 543 552 | Z | Number of establishments not reporting inventories | 80 720 | 1 |
| Value of construction work on government owned projects | 186 164 144 | Z | Value of construction work for establishments not reporting inventories | 90 808 976 | 1 |
| Value of construction work on federally owned projects | 37 451 064 | 1 | 234, Heavy construction | | |
| Value of construction work on state and locally owned projects | 148 713 072 | 1 | Number of establishments in business during year | 42 557 | 1 |
| Value of construction work on privately owned projects | 659 379 392 | Z | Number of proprietors and working partners | 12 632 | 3 |
| Beginning-of-year gross book value of depreciable assets | 108 440 136 | Z | Total number of employees | 880 400 | 1 |
| Capital expenditures, other than land | 15 063 943 | 1 | Number of construction workers in March | 605 243 | 1 |
| Retirements and disposition of depreciable assets | 4 656 722 | 1 | Number of construction workers in May | 734 889 | 1 |
| End-of-year gross book value of depreciable assets | 118 847 360 | Z | Number of construction workers in August | 778 318 | 1 |
| Depreciation charges during year | 12 628 392 | Z | Number of construction workers in November | 725 140 | 1 |
| Number of establishments with inventories | 173 737 | 1 | Average number of construction workers | 710 898 | 1 |
| Value of construction work for establishments with inventories | 322 485 120 | Z | Number of other employees in March | 166 649 | 1 |
| End of 1997, inventories of materials and supplies | 11 642 726 | 1 | Number of other employees in May | 168 903 | 1 |
| End of 1996, inventories of materials and supplies | 10 681 842 | 1 | Number of other employees in August | 171 670 | 1 |
| Number of establishments with no inventories | 243 039 | 1 | Number of other employees in November | 170 788 | 1 |
| Value of construction work for establishments with no inventories | 345 539 520 | Z | Average number of other employees | 169 502 | 1 |
| Number of establishments not reporting inventories | 239 673 | 1 | Payroll, all employees | 30 291 850 | Z |
| Value of construction work for establishments not reporting inventories | 177 518 896 | 1 | Payroll, construction workers | 22 218 582 | Z |
| 233, Building, developing, & general contracting | | | Payroll, other employees | 8 073 267 | 1 |
| Number of establishments in business during year | 199 289 | Z | First-quarter payroll, all employees | 5 880 580 | 1 |
| Number of proprietors and working partners | S | S | Fringe benefits, all employees | 7 786 736 | Z |
| Total number of employees | 1 342 953 | Z | Legally required expenditures | 4 665 757 | Z |
| Number of construction workers in March | 831 434 | Z | Voluntary expenditures | 3 120 979 | 1 |
| Number of construction workers in May | 887 038 | Z | Value of business done | 130 794 520 | Z |
| Number of construction workers in August | 934 236 | Z | Value of construction work | 127 841 600 | 1 |
| Number of construction workers in November | 891 048 | Z | Value of construction work subcontracted in from others | 28 386 274 | 1 |
| Average number of construction workers | 885 939 | Z | Other business receipts | 2 952 920 | 2 |
| Number of other employees in March | 459 167 | Z | Net value of construction | 105 639 352 | 1 |
| Number of other employees in May | 452 076 | Z | Value added | 68 775 976 | 1 |
| Number of other employees in August | 458 801 | Z | | | |
| Number of other employees in November | 458 011 | Z | | | |
| Average number of other employees | 457 014 | Z | | | |
| Payroll, all employees | 42 546 112 | Z | | | |
| Payroll, construction workers | 23 135 832 | Z | | | |
| Payroll, other employees | 19 410 280 | Z | | | |
| First-quarter payroll, all employees | 9 533 881 | Z | | | |

Table 4. Detailed Statistics for Establishments With Payroll by Industry Group: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Item | Value | Relative standard error of estimate (percent) | Item | Value | Relative standard error of estimate (percent) |
|-------------------------------------------------------------------------------|-------------|-----------------------------------------------|-------------------------------------------------------------------------------|-------------|-----------------------------------------------|
| 23, CONSTRUCTION—Con. | | | 23, CONSTRUCTION—Con. | | |
| 234, Heavy construction—Con. | | | 235, Special trade contractors—Con. | | |
| Selected costs | 62 018 540 | 1 | Number of other employees in August | 710 936 | Z |
| Cost of materials, components, and supplies | 36 655 772 | 1 | Number of other employees in November | 706 535 | Z |
| Cost of construction work subcontracted out to others | 22 202 246 | 1 | Average number of other employees | 705 599 | Z |
| Cost of selected power, fuels, and lubricants | 3 160 521 | 1 | Payroll, all employees | 101 346 648 | Z |
| Cost of electricity | 340 172 | 5 | Payroll, construction workers | 74 322 376 | Z |
| Cost of natural gas and manufactured gas | 160 257 | 3 | Payroll, other employees | 27 024 272 | Z |
| Cost of gasoline and diesel fuel | 2 409 752 | 1 | First-quarter payroll, all employees | 22 019 986 | Z |
| Cost of on-highway use of gasoline and diesel fuel | 1 200 142 | 1 | Fringe benefits, all employees | 24 694 916 | Z |
| Cost of off-highway use of gasoline and diesel fuel | 1 209 610 | 1 | Legally required expenditures | 15 096 977 | Z |
| Cost of all other fuels and lubricants | 250 340 | 2 | Voluntary expenditures | 9 597 938 | Z |
| Rental cost for machinery, equipment, and buildings | 4 297 718 | 1 | Value of business done | 340 860 576 | Z |
| Rental cost for machinery and equipment | 3 853 016 | 1 | Value of construction work | 336 060 352 | Z |
| Rental cost for buildings | 444 702 | 2 | Value of construction work subcontracted in from others | 193 580 032 | Z |
| Selected purchased services | 4 186 276 | 1 | Other business receipts | 4 800 218 | 2 |
| Purchased communication services | 647 860 | 1 | Net value of construction | 307 742 752 | Z |
| Cost of repairs to buildings and other structures | 188 895 | 3 | Value added | 194 747 056 | Z |
| Cost of repairs to machinery and equipment | 3 349 522 | 1 | Selected costs | 146 113 520 | Z |
| Value of construction work | 127 841 600 | 1 | Cost of materials, components, and supplies | 112 773 752 | Z |
| Value of construction work on government owned projects | 69 213 936 | 1 | Cost of construction work subcontracted out to others | 28 317 580 | 1 |
| Value of construction work on federally owned projects | 8 845 515 | 2 | Cost of selected power, fuels, and lubricants | 5 022 185 | Z |
| Value of construction work on state and locally owned projects | 60 368 420 | 1 | Cost of electricity | 770 325 | 1 |
| Value of construction work on privately owned projects | 58 627 664 | 1 | Cost of natural gas and manufactured gas | 210 973 | 1 |
| Beginning-of-year gross book value of depreciable assets | 42 372 868 | 1 | Cost of gasoline and diesel fuel | 3 816 589 | Z |
| Capital expenditures, other than land | 5 313 180 | 1 | Cost of on-highway use of gasoline and diesel fuel | 3 101 667 | Z |
| Retirements and disposition of depreciable assets | 1 839 777 | 2 | Cost of off-highway use of gasoline and diesel fuel | 714 922 | 1 |
| End-of-year gross book value of depreciable assets | 45 846 272 | 1 | Cost of all other fuels and lubricants | 224 298 | 1 |
| Depreciation charges during year | 4 627 363 | 1 | Rental cost for machinery, equipment, and buildings | 5 709 350 | Z |
| Number of establishments with inventories | 9 634 | 3 | Rental cost for machinery and equipment | 3 380 293 | 1 |
| Value of construction work for establishments with inventories .. | 50 131 852 | 1 | Rental cost for buildings | 2 329 057 | 1 |
| End of 1997, inventories of materials and supplies | 1 017 171 | 3 | Selected purchased services | 6 409 017 | Z |
| End of 1996, inventories of materials and supplies | 910 164 | 3 | Purchased communication services | 2 540 279 | Z |
| Number of establishments with no inventories | 17 864 | 2 | Cost of repairs to buildings and other structures | 428 136 | 1 |
| Value of construction work for establishments with no inventories | 54 143 044 | 1 | Cost of repairs to machinery and equipment | 3 440 602 | 1 |
| Number of establishments not reporting inventories | 15 058 | 2 | Value of construction work | 336 060 352 | Z |
| Value of construction work for establishments not reporting inventories | 23 566 700 | 2 | Value of construction work on government owned projects .. | 59 115 544 | 1 |
| 235, Special trade contractors | | | Value of construction work on federally owned projects | 14 243 417 | 1 |
| Number of establishments in business during year | 414 602 | Z | Value of construction work on state and locally owned projects | 44 872 124 | 1 |
| Number of proprietors and working partners | 169 219 | 1 | Value of construction work on privately owned projects | 276 944 800 | Z |
| Total number of employees | 3 441 500 | Z | Beginning-of-year gross book value of depreciable assets | 45 757 936 | Z |
| Number of construction workers in March | 2 537 489 | Z | Capital expenditures, other than land | 6 712 807 | 1 |
| Number of construction workers in May | 2 735 781 | Z | Retirements and disposition of depreciable assets | 1 774 059 | 1 |
| Number of construction workers in August | 2 891 155 | Z | End-of-year gross book value of depreciable assets | 50 696 684 | Z |
| Number of construction workers in November | 2 779 177 | Z | Depreciation charges during year | 5 827 100 | 1 |
| Average number of construction workers | 2 735 901 | Z | Number of establishments with inventories | 128 754 | 1 |
| Number of other employees in March | 706 345 | Z | Value of construction work for establishments with inventories .. | 181 033 664 | 1 |
| Number of other employees in May | 698 581 | Z | End of 1997, inventories of materials and supplies | 4 707 303 | 1 |
| | | | End of 1996, inventories of materials and supplies | 4 541 875 | 1 |
| | | | Number of establishments with no inventories | 141 953 | 1 |
| | | | Value of construction work for establishments with no inventories | 91 883 448 | 1 |
| | | | Number of establishments not reporting inventories | 143 895 | 1 |
| | | | Value of construction work for establishments not reporting inventories | 63 143 228 | 1 |

Table 5. Selected Statistics for Establishments With Payroll by Employment Size Class and Industry Group: 1997

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Employment size class | Number of establishments | Total number of employees | Total payroll | Dollar value of business done | Value of construction work | Net value of construction work | Value added | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted out to others | Relative standard error of estimate (percent) for column— | | |
|-------------------------------------------------------------|--------------------------|---------------------------|--------------------|-------------------------------|----------------------------|--------------------------------|--------------------|----------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------|----------|--|
| | A | B | C | D | E | F | G | H | I | B | F | |
| 23, CONSTRUCTION | | | | | | | | | | | | |
| Total | 656 448 | 5 664 853 | 174 184 608 | 858 581 056 | 845 543 552 | 612 209 024 | 383 845 728 | 241 400 736 | 233 334 544 | Z | Z | |
| Establishments with 1 to 4 employees | 409 256 | 762 232 | 15 406 230 | 106 557 544 | 105 143 856 | 82 240 032 | 49 585 024 | 34 068 700 | 22 903 822 | Z | 1 | |
| Establishments with 5 to 9 employees | 123 389 | 789 923 | 19 209 402 | 96 797 040 | 95 321 216 | 74 545 680 | 46 457 636 | 29 563 874 | 20 775 530 | 1 | 1 | |
| Establishments with 10 to 19 employees | 67 093 | 890 450 | 25 542 146 | 117 789 056 | 116 063 800 | 88 685 656 | 55 495 568 | 34 915 348 | 27 378 142 | 1 | 1 | |
| Establishments with 20 to 49 employees | 39 806 | 1 179 078 | 38 568 752 | 176 116 288 | 173 513 904 | 126 671 672 | 79 552 960 | 49 721 096 | 46 842 228 | 1 | 1 | |
| Establishments with 50 to 99 employees | 10 958 | 741 261 | 26 508 620 | 126 303 032 | 124 349 232 | 86 353 424 | 54 062 140 | 34 245 076 | 37 995 812 | 1 | 1 | |
| Establishments with 100 to 249 employees | 4 717 | 688 240 | 25 620 702 | 127 380 248 | 125 648 232 | 83 314 696 | 52 416 140 | 32 630 574 | 42 333 536 | 1 | 1 | |
| Establishments with 250 to 499 employees | 914 | 306 004 | 11 516 013 | 56 193 544 | 55 121 620 | 37 058 052 | 23 877 742 | 14 252 235 | 18 063 570 | Z | Z | |
| Establishments with 500 to 999 employees | 242 | 160 129 | 6 228 377 | 31 687 076 | 31 044 444 | 20 598 674 | 13 406 742 | 7 834 564 | 10 445 771 | Z | Z | |
| Establishments with 1,000 employees or more | 75 | 147 535 | 5 584 369 | 19 757 200 | 19 337 270 | 12 741 132 | 8 991 792 | 4 169 269 | 6 596 139 | Z | Z | |
| 233, Building, developing, & general contracting | | | | | | | | | | | | |
| Total | 199 289 | 1 342 953 | 42 546 112 | 386 925 952 | 381 641 600 | 198 826 896 | 120 322 720 | 83 788 504 | 182 814 720 | Z | Z | |
| Establishments with 1 to 4 employees | 138 926 | 251 698 | 5 505 596 | 59 679 140 | 58 779 340 | 39 645 628 | 22 678 676 | 17 866 752 | 19 133 710 | 1 | 1 | |
| Establishments with 5 to 9 employees | 33 153 | 210 102 | 5 423 671 | 46 299 828 | 45 495 028 | 28 431 008 | 16 807 282 | 12 428 525 | 17 064 020 | 1 | 2 | |
| Establishments with 10 to 19 employees | 15 593 | 204 108 | 6 216 158 | 50 321 756 | 49 629 740 | 27 938 378 | 16 557 559 | 12 072 837 | 21 691 362 | 1 | 2 | |
| Establishments with 20 to 49 employees | 8 132 | 240 062 | 8 406 926 | 72 417 696 | 71 561 160 | 35 185 916 | 21 724 896 | 14 317 554 | 36 375 248 | 1 | 1 | |
| Establishments with 50 to 99 employees | 2 253 | 151 788 | 5 714 643 | 54 207 544 | 53 552 076 | 23 837 928 | 14 709 991 | 9 783 405 | 29 714 146 | 1 | 1 | |
| Establishments with 100 to 249 employees | 954 | 140 194 | 5 617 591 | 55 703 492 | 55 253 888 | 22 996 576 | 14 425 742 | 9 020 439 | 32 257 312 | 1 | 2 | |
| Establishments with 250 to 499 employees | 188 | 62 312 | 2 487 646 | 23 241 664 | 22 860 616 | 9 839 998 | 6 541 791 | 3 679 254 | 13 020 619 | Z | Z | |
| Establishments with 500 to 999 employees | 67 | 44 793 | 1 754 408 | 16 055 532 | 15 665 048 | 7 614 937 | 4 900 566 | 3 104 855 | 8 050 111 | Z | Z | |
| Establishments with 1,000 employees or more | 24 | 37 895 | 1 419 473 | 8 999 290 | 8 844 721 | 3 336 525 | 1 976 213 | 1 514 881 | 5 508 196 | Z | Z | |
| 234, Heavy construction | | | | | | | | | | | | |
| Total | 42 557 | 880 400 | 30 291 850 | 130 794 520 | 127 841 600 | 105 639 352 | 68 775 976 | 39 816 292 | 22 202 246 | 1 | 1 | |
| Establishments with 1 to 4 employees | 18 956 | 38 444 | 855 993 | 4 422 100 | 4 357 699 | 3 954 500 | 2 831 403 | 1 187 498 | 403 199 | 3 | 3 | |
| Establishments with 5 to 9 employees | 7 846 | 51 548 | 1 421 453 | 6 245 186 | 6 164 412 | 5 465 676 | 3 799 862 | 1 746 587 | 698 736 | 3 | 4 | |
| Establishments with 10 to 19 employees | 6 535 | 87 869 | 2 737 418 | 11 893 672 | 11 688 207 | 10 192 702 | 6 759 493 | 3 638 674 | 1 495 505 | 3 | 3 | |
| Establishments with 20 to 49 employees | 5 682 | 172 077 | 5 791 607 | 25 250 458 | 24 804 852 | 20 817 582 | 13 169 541 | 8 093 649 | 3 987 269 | 2 | 2 | |
| Establishments with 50 to 99 employees | 2 054 | 140 988 | 5 074 954 | 23 055 804 | 22 483 040 | 18 396 342 | 11 365 638 | 7 603 468 | 4 086 698 | 2 | 2 | |
| Establishments with 100 to 249 employees | 1 095 | 162 775 | 5 938 484 | 27 999 912 | 27 280 104 | 21 605 956 | 13 274 220 | 9 051 545 | 5 674 148 | 1 | Z | |
| Establishments with 250 to 499 employees | 277 | 93 844 | 3 481 721 | 16 215 215 | 15 737 005 | 12 428 404 | 8 002 583 | 4 904 031 | 3 308 601 | Z | Z | |
| Establishments with 500 to 999 employees | 82 | 54 741 | 2 123 901 | 8 738 141 | 8 543 637 | 6 800 992 | 4 675 065 | 2 320 431 | 1 742 645 | Z | Z | |
| Establishments with 1,000 employees or more | 29 | 78 114 | 2 866 320 | 6 974 030 | 6 782 642 | 5 977 196 | 4 898 173 | 1 270 411 | 805 446 | Z | Z | |
| 235, Special trade contractors | | | | | | | | | | | | |
| Total | 414 602 | 3 441 500 | 101 346 648 | 340 860 576 | 336 060 352 | 307 742 752 | 194 747 056 | 117 795 936 | 28 317 580 | Z | Z | |
| Establishments with 1 to 4 employees | 251 374 | 472 090 | 9 044 642 | 42 456 308 | 42 006 816 | 38 639 904 | 24 074 944 | 15 014 450 | 3 366 913 | 1 | 1 | |
| Establishments with 5 to 9 employees | 82 389 | 528 273 | 12 364 279 | 44 252 028 | 43 661 776 | 40 649 000 | 25 850 490 | 15 388 762 | 3 012 774 | 1 | 1 | |
| Establishments with 10 to 19 employees | 44 965 | 598 473 | 16 588 571 | 55 573 628 | 54 745 852 | 50 554 576 | 32 178 516 | 19 203 836 | 4 191 276 | 1 | 1 | |
| Establishments with 20 to 49 employees | 25 992 | 766 940 | 24 370 218 | 78 448 128 | 77 147 880 | 70 668 168 | 44 658 528 | 27 309 892 | 6 479 713 | 1 | 1 | |
| Establishments with 50 to 99 employees | 6 652 | 448 485 | 15 719 024 | 49 039 684 | 48 314 116 | 44 119 152 | 27 986 512 | 16 858 204 | 4 194 967 | 1 | 1 | |
| Establishments with 100 to 249 employees | 2 667 | 385 271 | 14 064 628 | 43 676 840 | 43 114 236 | 38 712 160 | 24 716 176 | 14 558 589 | 4 402 074 | 1 | 1 | |
| Establishments with 250 to 499 employees | 449 | 149 848 | 5 546 646 | 16 736 668 | 16 524 000 | 14 789 650 | 9 333 368 | 5 668 950 | 1 734 350 | Z | Z | |
| Establishments with 500 to 999 employees | 93 | 60 595 | 2 350 068 | 6 893 404 | 6 835 760 | 6 182 745 | 3 831 111 | 2 409 278 | 653 015 | Z | Z | |
| Establishments with 1,000 employees or more | 22 | 31 526 | 1 298 576 | 3 783 880 | 3 709 908 | 3 427 411 | 2 117 406 | 1 383 977 | 282 497 | Z | Z | |

Table 6. Selected Statistics for Establishments With Payroll by Dollar Value of Business Done Size Class and Industry Group: 1997

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Dollar value size class | Number of establishments | Total number of employees | Total payroll | Dollar value of business done | Value of construction work | Net value of construction work | Value added | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted out to others | Relative standard error of estimate (percent) for column— | | |
|-----------------------------------------------------------------------------|--------------------------|---------------------------|--------------------|-------------------------------|----------------------------|--------------------------------|--------------------|----------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------|----------|--|
| | A | B | C | D | E | F | G | H | I | B | F | |
| 23, CONSTRUCTION | | | | | | | | | | | | |
| Total | 656 448 | 5 664 853 | 174 184 608 | 858 581 056 | 845 543 552 | 612 209 024 | 383 845 728 | 241 400 736 | 233 334 544 | Z | Z | |
| Establishments with value of business done less than \$25,000 | 29 127 | S | S | S | S | S | S | S | S | S | S | |
| Establishments with value of business done \$25,000 to \$49,999 | 37 884 | S | S | S | S | S | S | S | S | S | S | |
| Establishments with value of business done \$50,000 to \$99,999 | 79 785 | 117 939 | 1 529 196 | S | S | S | S | S | S | 2 | S | |
| Establishments with value of business done \$100,000 to \$249,999 | 166 948 | 408 262 | 6 841 333 | 27 395 154 | 27 107 468 | 24 875 938 | 16 132 885 | 9 030 740 | S | 1 | 1 | |
| Establishments with value of business done \$250,000 to \$499,999 | 118 463 | 500 198 | 10 325 607 | 41 749 636 | 41 234 828 | 36 877 732 | 23 276 192 | 14 116 352 | 4 357 095 | 1 | 1 | |
| Establishments with value of business done \$500,000 to \$999,999 | 89 765 | 642 336 | 15 578 351 | 62 962 584 | 62 050 532 | 53 359 228 | 33 760 920 | 20 510 356 | 8 691 306 | 1 | 1 | |
| Establishments with value of business done \$1,000,000 to \$2,499,999 | 75 105 | 959 753 | 27 599 026 | 116 370 376 | 114 529 144 | 94 689 632 | 59 117 136 | 37 413 720 | 19 839 514 | 1 | 1 | |
| Establishments with value of business done \$2,500,000 to \$4,999,999 | 30 250 | 733 114 | 24 031 704 | 104 410 392 | 102 717 872 | 81 919 696 | 50 707 172 | 32 905 052 | 20 798 170 | 1 | 1 | |
| Establishments with value of business done \$5,000,000 to \$9,999,999 | 16 021 | 664 812 | 23 738 930 | 110 214 360 | 108 341 280 | 81 172 904 | 50 058 408 | 32 987 578 | 27 168 372 | 1 | 1 | |
| Establishments with value of business done \$10,000,000 or more | 13 101 | 1 586 151 | 64 027 308 | 387 761 664 | 381 915 712 | 232 216 112 | 146 010 656 | 92 051 408 | 149 699 600 | Z | Z | |
| 233, Building, developing, & general contracting | | | | | | | | | | | | |
| Total | 199 289 | 1 342 953 | 42 546 112 | 386 925 952 | 381 641 600 | 198 826 896 | 120 322 720 | 83 788 504 | 182 814 720 | Z | Z | |
| Establishments with value of business done less than \$25,000 | 7 059 | S | S | S | S | S | S | S | S | S | S | |
| Establishments with value of business done \$25,000 to \$49,999 | 9 980 | S | S | S | S | S | S | S | S | S | S | |
| Establishments with value of business done \$50,000 to \$99,999 | 21 321 | 28 658 | 365 364 | S | S | S | S | S | S | 3 | S | |
| Establishments with value of business done \$100,000 to \$249,999 | 45 176 | 94 459 | 1 531 876 | 7 454 033 | 7 354 938 | 6 081 249 | 3 733 593 | 2 446 751 | S | 2 | 1 | |
| Establishments with value of business done \$250,000 to \$499,999 | 34 957 | 109 070 | 2 188 739 | 12 383 490 | 12 187 065 | 9 306 831 | 5 489 990 | 4 013 267 | 2 880 234 | 2 | 2 | |
| Establishments with value of business done \$500,000 to \$999,999 | 29 424 | 138 711 | 3 235 912 | 20 758 858 | 20 402 878 | 14 301 069 | 8 343 754 | 6 313 295 | 6 101 809 | 2 | 2 | |
| Establishments with value of business done \$1,000,000 to \$2,499,999 | 27 646 | 205 059 | 5 713 292 | 43 206 212 | 42 522 924 | 28 204 778 | 16 494 143 | 12 393 924 | 14 318 145 | 1 | 1 | |
| Establishments with value of business done \$2,500,000 to \$4,999,999 | 11 192 | 144 214 | 4 697 008 | 38 725 516 | 38 097 820 | 23 180 072 | 13 260 292 | 10 547 473 | 14 917 750 | 2 | 2 | |
| Establishments with value of business done \$5,000,000 to \$9,999,999 | 6 336 | 134 870 | 4 825 942 | 43 503 948 | 42 782 248 | 23 048 078 | 13 874 036 | 9 895 743 | 19 734 168 | 2 | 2 | |
| Establishments with value of business done \$10,000,000 or more | 6 198 | 474 950 | 19 859 696 | 218 836 512 | 216 265 264 | 92 991 168 | 58 030 488 | 37 531 920 | 123 274 104 | Z | 1 | |
| 234, Heavy construction | | | | | | | | | | | | |
| Total | 42 557 | 880 400 | 30 291 850 | 130 794 520 | 127 841 600 | 105 639 352 | 68 775 976 | 39 816 292 | 22 202 246 | 1 | 1 | |
| Establishments with value of business done less than \$25,000 | 1 053 | S | S | S | S | S | S | S | S | S | S | |
| Establishments with value of business done \$25,000 to \$49,999 | 1 535 | 1 380 | 13 763 | S | S | S | S | S | S | 12 | S | |
| Establishments with value of business done \$50,000 to \$99,999 | 2 912 | 3 869 | 54 938 | 214 515 | 213 291 | 202 095 | 148 638 | 54 681 | S | 8 | 7 | |
| Establishments with value of business done \$100,000 to \$249,999 | 7 864 | 18 203 | 317 422 | 1 326 665 | 1 306 307 | 1 227 364 | 911 314 | 336 409 | S | 5 | 4 | |
| Establishments with value of business done \$250,000 to \$499,999 | 6 874 | 29 319 | 608 155 | 2 463 407 | 2 431 068 | 2 284 825 | 1 659 275 | 657 889 | 146 243 | 5 | 4 | |
| Establishments with value of business done \$500,000 to \$999,999 | 6 488 | 49 295 | 1 221 803 | 4 550 616 | 4 477 622 | 4 088 318 | 2 945 636 | 1 215 675 | 389 304 | 4 | 4 | |
| Establishments with value of business done \$1,000,000 to \$2,499,999 | 6 888 | 100 300 | 2 945 205 | 10 959 764 | 10 777 047 | 9 712 241 | 6 672 723 | 3 222 236 | 1 064 806 | 3 | 3 | |
| Establishments with value of business done \$2,500,000 to \$4,999,999 | 3 675 | 99 537 | 3 170 373 | 12 889 575 | 12 647 242 | 11 011 068 | 7 351 790 | 3 901 611 | 1 636 174 | 3 | 3 | |
| Establishments with value of business done \$5,000,000 to \$9,999,999 | 2 524 | 118 146 | 4 143 221 | 17 678 628 | 17 348 850 | 14 641 338 | 9 157 665 | 5 813 451 | 2 707 513 | 3 | 3 | |

Table 6. Selected Statistics for Establishments With Payroll by Dollar Value of Business Done Size Class and Industry Group: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Dollar value size class | Number of establishments | Total number of employees | Total payroll | Dollar value of business done | Value of construction work | Net value of construction work | Value added | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted out to others | Relative standard error of estimate (percent) for column— | |
|-----------------------------------------------------------------------------|--------------------------|---------------------------|--------------------|-------------------------------|----------------------------|--------------------------------|--------------------|----------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------|----------|
| | A | B | C | D | E | F | G | H | I | B | F |
| 23, CONSTRUCTION—Con. | | | | | | | | | | | |
| 234, Heavy construction—Con. | | | | | | | | | | | |
| Total—Con. | | | | | | | | | | | |
| Establishments with value of business done \$10,000,000 or more | 2 743 | 459 891 | 17 812 636 | 80 640 176 | 78 569 648 | 62 406 164 | 39 881 064 | 24 595 628 | 16 163 485 | Z | 1 |
| 235, Special trade contractors | | | | | | | | | | | |
| Total | 414 602 | 3 441 500 | 101 346 648 | 340 860 576 | 336 060 352 | 307 742 752 | 194 747 056 | 117 795 936 | 28 317 580 | Z | Z |
| Establishments with value of business done less than \$25,000 | 21 015 | S | S | S | S | S | S | S | S | S | S |
| Establishments with value of business done \$25,000 to \$49,999 | 26 368 | S | S | S | S | S | S | S | S | S | S |
| Establishments with value of business done \$50,000 to \$99,999 | 55 551 | 85 412 | 1 108 893 | 4 118 204 | 4 090 099 | 3 925 789 | 2 660 986 | S | S | 2 | 2 |
| Establishments with value of business done \$100,000 to \$249,999 | 113 908 | 295 601 | 4 992 036 | 18 614 458 | 18 446 222 | 17 567 324 | 11 487 978 | 6 247 580 | 878 899 | 1 | 1 |
| Establishments with value of business done \$250,000 to \$499,999 | 76 632 | 361 809 | 7 528 713 | 26 902 742 | 26 616 696 | 25 286 078 | 16 126 927 | 9 445 196 | 1 330 619 | 1 | 1 |
| Establishments with value of business done \$500,000 to \$999,999 | 53 853 | 454 330 | 11 120 636 | 37 653 108 | 37 170 032 | 34 969 840 | 22 471 532 | 12 981 386 | 2 200 192 | 1 | 1 |
| Establishments with value of business done \$1,000,000 to \$2,499,999 | 40 571 | 654 394 | 18 940 528 | 62 204 400 | 61 229 172 | 56 772 612 | 35 950 272 | 21 797 562 | 4 456 564 | 1 | 1 |
| Establishments with value of business done \$2,500,000 to \$4,999,999 | 15 383 | 489 362 | 16 164 324 | 52 795 300 | 51 972 808 | 47 728 560 | 30 095 088 | 18 455 968 | 4 244 246 | 1 | 1 |
| Establishments with value of business done \$5,000,000 to \$9,999,999 | 7 162 | 411 796 | 14 769 768 | 49 031 784 | 48 210 180 | 43 483 488 | 27 026 708 | 17 278 384 | 4 726 691 | 1 | 1 |
| Establishments with value of business done \$10,000,000 or more | 4 160 | 651 310 | 26 354 974 | 88 284 976 | 87 080 784 | 76 818 776 | 48 099 108 | 29 923 862 | 10 262 007 | Z | 1 |

Table 7. Value of Construction Work for Establishments With Payroll by Type of Construction and Industry Group: 1997

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Type of construction | Value of construction work | | | | Relative standard error of estimate (percent) for column— | | | |
|------------------------------------------------------------------------------------|----------------------------|--------------------|-------------------------------------------|------------------------|-----------------------------------------------------------|----------|----------|----------|
| | Total | New construction | Additions, alterations, or reconstruction | Maintenance and repair | A | B | C | D |
| | A | B | C | D | A | B | C | D |
| 23. CONSTRUCTION | | | | | | | | |
| Total | 845 543 552 | 541 833 012 | 199 503 366 | 95 552 166 | Z | Z | Z | 1 |
| Building construction, total | 667 892 335 | 441 085 796 | 160 098 787 | 66 707 752 | Z | Z | Z | 1 |
| Single-family houses, detached and attached | 238 301 608 | 179 325 838 | 38 743 071 | 20 232 700 | 1 | 1 | 1 | 1 |
| Single-family houses, detached | 208 636 594 | 157 912 589 | 33 607 561 | 17 116 443 | 1 | 1 | 1 | 1 |
| Single-family houses, attached | 29 665 014 | 21 413 248 | 5 135 510 | 3 116 256 | 1 | 1 | 2 | 2 |
| Apartment buildings, apartment type condominiums and cooperatives | 35 912 059 | 23 549 029 | 7 294 218 | 5 068 813 | 1 | 2 | 2 | 2 |
| All other residential buildings | 1 450 935 | 879 677 | 409 889 | 161 370 | 4 | 3 | 8 | 12 |
| Manufacturing and light industrial buildings | 64 026 464 | 33 796 938 | 18 857 654 | 11 371 872 | 1 | 1 | 1 | 1 |
| Manufacturing and light industrial warehouses | 20 252 089 | 13 494 830 | 4 676 949 | 2 080 311 | 2 | 2 | 2 | 2 |
| Hotels and motels | 17 209 304 | 12 623 672 | 3 254 698 | 1 330 934 | 1 | 1 | 4 | 4 |
| Office buildings | 80 588 781 | 44 449 862 | 27 694 812 | 8 444 108 | 1 | 1 | 1 | 1 |
| All other commercial buildings, nec | 69 545 794 | 43 566 415 | 18 638 395 | 7 340 984 | 1 | 1 | 1 | 2 |
| Commercial warehouses | 16 628 141 | 11 912 121 | 3 298 378 | 1 417 642 | 2 | 2 | 4 | 3 |
| Religious buildings | 9 400 127 | 5 343 590 | 2 969 442 | 1 087 095 | 2 | 2 | 2 | 3 |
| Educational buildings | 46 826 417 | 28 102 206 | 15 751 455 | 2 972 756 | 2 | 2 | 1 | 2 |
| Health care and institutional buildings | 33 942 469 | 19 754 714 | 11 763 387 | 2 424 369 | 1 | 1 | 1 | 2 |
| Public safety buildings | 10 119 930 | 7 346 218 | 2 200 704 | 573 008 | 1 | 1 | 3 | 3 |
| Farm buildings, nonresidential | 3 473 574 | 2 508 098 | 530 901 | 434 575 | 4 | 4 | 6 | 5 |
| Amusement, social, and recreational buildings | 10 429 599 | 7 893 895 | 2 073 509 | 462 196 | 1 | 1 | 5 | 5 |
| Other building construction | 9 785 043 | 6 538 695 | 1 941 327 | 1 305 021 | 2 | 2 | 4 | 4 |
| Nonbuilding construction, total | 168 996 209 | 100 747 216 | 39 404 579 | 28 844 413 | Z | 1 | 1 | 1 |
| Highways, streets, and related work | 49 304 103 | 25 570 349 | 15 598 033 | 8 135 720 | 1 | 1 | 1 | 2 |
| Airport runways and related work | 1 947 184 | 1 021 618 | 717 990 | 207 577 | 6 | 9 | 5 | 7 |
| Private driveways and parking areas | 9 774 722 | 5 599 184 | 2 073 402 | 2 102 136 | 2 | 3 | 6 | 4 |
| Bridges, tunnels, and elevated highways | 12 486 792 | 7 835 212 | 3 537 801 | 1 113 779 | 1 | 2 | 2 | 4 |
| Bridges and elevated highways | 10 227 901 | 6 022 682 | 3 223 905 | 981 314 | 2 | 2 | 2 | 3 |
| Tunnels | 2 258 891 | 1 812 530 | 313 896 | 132 465 | 2 | 2 | 2 | 19 |
| Sewers, water mains, and related facilities | 23 818 434 | 17 567 736 | 3 632 776 | 2 617 922 | 2 | 2 | 4 | 4 |
| Sewers, sewer lines, septic systems, and related facilities | 13 522 245 | 10 003 779 | 2 224 809 | 1 293 657 | 2 | 2 | 4 | 4 |
| Water mains and related facilities | 10 296 189 | 7 563 957 | 1 407 967 | 1 324 265 | 2 | 2 | 5 | 6 |
| Pipeline construction other than sewer or water lines | 6 350 283 | 3 915 667 | 1 171 766 | 1 262 850 | 3 | 3 | 4 | 5 |
| Power and communication transmission lines, cables, towers, and related facilities | 13 111 959 | 8 226 081 | 2 608 115 | 2 277 763 | 2 | 2 | 4 | 5 |
| Power plants | 4 515 905 | 1 975 869 | 804 383 | 1 735 653 | 2 | 1 | 2 | 5 |
| Power and cogeneration plants, except hydroelectric | 3 382 836 | 1 324 325 | 649 117 | 1 409 394 | 1 | 1 | 1 | 1 |
| Power plants, hydroelectric | 1 133 069 | 651 544 | 155 266 | 326 259 | 8 | 3 | 7 | 25 |
| Blast furnaces, petroleum refineries, chemical complexes, etc. | 10 618 146 | 3 903 304 | 2 120 426 | 4 594 417 | 1 | 2 | 1 | 1 |
| Sewage and water treatment plants | 9 670 782 | 6 139 478 | 2 989 494 | 5 441 809 | 2 | 2 | 4 | 4 |
| Sewage treatment plants | 5 215 389 | 3 215 116 | 1 707 411 | 292 862 | 3 | 2 | 6 | 5 |
| Water treatment plants | 4 455 392 | 2 924 362 | 1 282 083 | 248 947 | 3 | 4 | 3 | 5 |
| Mass transit construction | 2 904 305 | 1 698 944 | 710 531 | 494 829 | 3 | 4 | 4 | 6 |
| Urban mass transit construction | 1 266 643 | 857 069 | 301 231 | 108 343 | 1 | 1 | 2 | 3 |
| Railroad construction | 1 637 662 | 841 875 | 409 301 | 386 486 | 6 | 8 | 7 | 8 |
| Conservation and development construction | 3 431 824 | 2 487 509 | 424 100 | 520 215 | 3 | 4 | 6 | 10 |
| Dam and reservoir construction | 938 805 | 746 106 | 98 226 | 94 473 | 5 | 4 | 18 | 9 |
| Dry/solid waste disposal | 1 319 655 | 896 826 | 265 474 | 157 355 | 4 | 4 | 4 | 13 |
| Harbor and port facilities | 894 744 | 655 189 | 162 696 | 76 859 | 5 | 6 | 7 | 11 |
| Marine construction | 2 397 679 | 1 250 811 | 389 426 | 357 443 | 3 | 3 | 3 | 7 |
| Outdoor swimming pools | 3 223 519 | 2 495 059 | 345 186 | 383 274 | 3 | 3 | 7 | 8 |
| Water storage facilities | 947 680 | 605 164 | 84 732 | 257 783 | 8 | 12 | 9 | 6 |
| Tank storage facilities other than water | 863 577 | 458 145 | 138 256 | 267 175 | 4 | 4 | 11 | 10 |
| Fencing | 2 504 583 | 1 849 077 | 367 707 | 287 799 | 2 | 2 | 3 | 4 |
| Recreational facilities | 2 998 792 | 2 305 369 | 471 660 | 221 762 | 5 | 5 | 8 | 10 |
| Billboards | 50 759 | 47 616 | D | D | 27 | 29 | D | D |
| Heavy military construction | 37 497 | 31 519 | D | D | 1 | 1 | D | D |
| Ships | 308 475 | 125 829 | 44 165 | 138 481 | 7 | 1 | 4 | 15 |
| Oilfields | 422 595 | 186 429 | 63 495 | 172 671 | 12 | 7 | 10 | 26 |
| Other nonbuilding construction, nec | 4 153 411 | 3 153 125 | 577 795 | 422 490 | 2 | 2 | 4 | 7 |
| Construction work, nsk | 8 654 822 | X | X | X | 1 | X | X | X |
| 233. Building, developing, & general contracting | | | | | | | | |
| Total | 381 641 600 | 276 279 716 | 85 934 231 | 15 183 054 | Z | Z | 1 | 1 |
| Building construction, total | 371 426 049 | 271 993 826 | 84 523 997 | 14 908 226 | Z | Z | 1 | 1 |
| Single-family houses, detached and attached | 150 532 478 | 124 038 453 | 21 774 569 | 4 719 455 | 1 | 1 | 1 | 2 |
| Single-family houses, detached | 133 869 882 | 110 865 487 | 19 023 035 | 3 981 360 | 1 | 1 | 2 | 2 |
| Single-family houses, attached | 16 662 596 | 13 172 966 | 2 751 534 | 738 096 | 2 | 2 | 3 | 6 |
| Apartment buildings, apartment type condominiums and cooperatives | 19 617 644 | 14 208 160 | 4 211 169 | 1 198 315 | 2 | 3 | 3 | 4 |
| All other residential buildings | 954 291 | 603 400 | 259 526 | 55 366 | 5 | 4 | 11 | 31 |
| Manufacturing and light industrial buildings | 26 211 179 | 16 436 112 | 6 882 060 | 2 893 007 | 1 | 1 | 1 | 2 |
| Manufacturing and light industrial warehouses | 10 666 086 | 8 040 332 | 2 204 644 | 421 110 | 3 | 3 | 2 | 6 |
| Hotels and motels | 9 370 227 | 7 286 586 | 1 858 001 | 225 641 | 2 | 2 | 6 | 17 |
| Office buildings | 40 371 389 | 23 759 316 | 14 986 383 | 1 625 691 | 1 | 1 | 2 | 3 |
| All other commercial buildings, nec | 36 519 818 | 24 600 230 | 10 519 658 | 1 399 930 | 2 | 2 | 2 | 4 |
| Commercial warehouses | 8 262 304 | 6 546 130 | 1 425 689 | 290 485 | 4 | 3 | 8 | 10 |
| Religious buildings | 4 936 913 | 3 160 614 | 1 622 861 | 153 437 | 3 | 4 | 3 | 13 |
| Educational buildings | 25 194 342 | 16 290 680 | 8 348 045 | 555 806 | 2 | 3 | 2 | 5 |
| Health care and institutional buildings | 18 798 347 | 11 981 943 | 6 393 884 | 422 520 | 1 | 1 | 2 | 3 |
| Public safety buildings | 5 584 102 | 4 367 450 | 1 109 417 | 107 235 | 2 | 2 | 5 | 6 |
| Farm buildings, nonresidential | 2 107 126 | 1 648 388 | 313 610 | 145 128 | 6 | 6 | 10 | 11 |
| Amusement, social, and recreational buildings | 7 265 413 | 5 733 936 | 1 405 500 | 125 977 | 2 | 1 | 7 | 14 |
| Other building construction | 5 034 201 | 3 292 095 | 1 172 982 | 569 124 | 2 | 2 | 6 | 2 |
| Nonbuilding construction, total | 5 970 952 | 4 285 890 | 1 410 234 | 274 828 | 1 | 1 | 2 | 4 |
| Highways, streets, and related work | 1 639 808 | 1 294 539 | 275 021 | 70 249 | 2 | 2 | 5 | 3 |
| Airport runways and related work | 16 088 | 8 413 | D | D | Z | Z | D | D |
| Private driveways and parking areas | 107 129 | 86 491 | 10 109 | 10 530 | 6 | 5 | 38 | 16 |

Table 7. Value of Construction Work for Establishments With Payroll by Type of Construction and Industry Group: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Type of construction | Value of construction work | | | | Relative standard error of estimate (percent) for column— | | | |
|------------------------------------------------------------------------------------|----------------------------|-------------------|-------------------------------------------|------------------------|-----------------------------------------------------------|----------|----------|----------|
| | Total | New construction | Additions, alterations, or reconstruction | Maintenance and repair | A | B | C | D |
| | A | B | C | D | A | B | C | D |
| 23, CONSTRUCTION—Con. | | | | | | | | |
| 233, Building, developing, & general contracting—Con. | | | | | | | | |
| Nonbuilding construction, total—Con. | | | | | | | | |
| Bridges, tunnels, and elevated highways | 587 747 | 308 204 | 247 152 | 32 391 | 1 | 2 | 1 | 2 |
| Bridges and elevated highways | 477 670 | 231 357 | 217 562 | 28 751 | 2 | 3 | 1 | 2 |
| Tunnels | 110 076 | 76 846 | 29 590 | 3 640 | 1 | 1 | 1 | 4 |
| Sewers, water mains, and related facilities | 211 602 | 190 440 | 17 832 | 3 329 | 3 | 3 | 10 | 11 |
| Sewers, sewer lines, septic systems, and related facilities | 123 480 | 106 955 | 14 003 | 2 521 | 3 | 3 | 13 | 11 |
| Water mains and related facilities | 88 122 | 83 486 | 3 829 | 808 | 4 | 4 | 6 | 21 |
| Pipeline construction other than sewer or water lines | 31 188 | 30 047 | 752 | 389 | 26 | 27 | 16 | 34 |
| Power and communication transmission lines, cables, towers, and related facilities | 160 372 | 76 746 | 60 800 | 22 826 | 11 | 6 | 23 | 10 |
| Power plants | 24 237 | 15 599 | 5 280 | 3 358 | 2 | Z | 6 | 4 |
| Power and cogeneration plants, except hydroelectric | 11 702 | D | 5 280 | D | 4 | D | 6 | D |
| Power plants, hydroelectric | 12 535 | D | — | D | Z | D | — | D |
| Blast furnaces, petroleum refineries, chemical complexes, etc | 37 950 | D | 3 849 | D | 1 | D | 8 | D |
| Sewage and water treatment plants | 1 790 144 | 1 266 828 | 499 357 | 23 959 | 2 | 2 | 3 | 16 |
| Sewage treatment plants | 787 323 | 532 803 | 240 621 | 13 899 | 1 | 1 | 3 | 14 |
| Water treatment plants | 1 002 821 | 734 025 | 258 736 | 10 060 | 3 | Z | 3 | 33 |
| Mass transit construction | 69 134 | 28 564 | 33 513 | 7 057 | Z | Z | Z | Z |
| Urban mass transit construction | 28 929 | 11 534 | D | D | Z | Z | D | D |
| Railroad construction | 40 205 | 17 030 | D | D | Z | Z | D | D |
| Conservation and development construction | 63 574 | 54 358 | 7 113 | 2 104 | 6 | 7 | 2 | 1 |
| Dam and reservoir construction | 18 688 | 17 445 | D | D | 1 | Z | D | D |
| Dry/solid waste disposal | 13 970 | 10 607 | D | D | 1 | 1 | D | D |
| Harbor and port facilities | 66 927 | 64 214 | D | D | 1 | 1 | D | D |
| Marine construction | S | S | D | D | S | S | D | D |
| Outdoor swimming pools | 17 356 | 13 851 | D | D | 42 | 50 | D | D |
| Water storage facilities | 6 667 | 5 304 | D | D | 21 | 26 | D | D |
| Tank storage facilities other than water | 7 298 | 6 448 | 707 | 143 | 9 | 10 | Z | Z |
| Fencing | 4 485 | 3 212 | 523 | 750 | 19 | 27 | 16 | 14 |
| Recreational facilities | 213 600 | 184 887 | S | 2 767 | 10 | 11 | S | 9 |
| Billboards | D | D | — | — | D | D | — | — |
| Heavy military construction | D | D | D | D | D | D | D | — |
| Ships | 738 | D | D | D | 18 | D | D | D |
| Oilfields | D | D | D | D | D | D | D | D |
| Other nonbuilding construction, nec | 805 656 | 514 599 | 208 812 | D | 2 | 1 | 4 | D |
| Construction work, nsk | 4 244 630 | X | X | X | 1 | X | X | X |
| 234, Heavy construction | | | | | | | | |
| Total | 127 841 600 | 76 831 536 | 30 451 911 | 19 698 818 | 1 | 1 | 1 | 1 |
| Building construction, total | 5 218 782 | 3 718 144 | 908 363 | 592 276 | 2 | 2 | 3 | 4 |
| Single-family houses, detached and attached | 840 247 | 702 115 | 85 534 | 52 598 | 5 | 5 | 11 | 11 |
| Single-family houses, detached | 689 265 | 570 199 | 77 071 | 41 995 | 5 | 5 | 11 | 11 |
| Single-family houses, attached | 150 982 | 131 916 | 8 463 | 10 603 | 9 | 9 | 20 | 30 |
| Apartment buildings, apartment type condominiums and cooperatives | 77 084 | 61 079 | 12 554 | 3 451 | 8 | 5 | 27 | 12 |
| All other residential buildings | 9 661 | 5 135 | 2 725 | 1 802 | 7 | 9 | 8 | 6 |
| Manufacturing and light industrial buildings | 1 314 909 | 771 651 | 311 149 | 232 109 | 4 | 6 | 4 | 6 |
| Manufacturing and light industrial warehouses | 98 046 | 74 687 | 12 467 | 10 892 | 9 | 12 | 6 | 7 |
| Hotels and motels | 85 071 | 72 087 | 8 711 | 4 273 | 2 | 2 | 1 | 29 |
| Office buildings | 730 524 | 556 720 | 131 837 | 41 967 | 3 | 3 | 8 | 10 |
| All other commercial buildings, nec | 952 333 | 754 553 | 127 148 | 70 632 | 4 | 5 | 4 | 4 |
| Commercial warehouses | 106 978 | 71 845 | 25 967 | S | 4 | 4 | 4 | S |
| Religious buildings | 21 500 | 14 857 | 4 925 | 1 719 | 13 | 17 | 9 | 29 |
| Educational buildings | 261 157 | 203 035 | 44 613 | 13 509 | 3 | 3 | 6 | 13 |
| Health care and institutional buildings | 81 173 | 24 966 | 52 889 | 3 318 | 2 | 7 | 1 | 9 |
| Public safety buildings | 129 939 | 112 132 | 16 853 | 954 | 3 | 4 | 1 | 16 |
| Farm buildings, nonresidential | 52 862 | 44 814 | 3 450 | 597 | 12 | 12 | 21 | 70 |
| Amusement, social, and recreational buildings | 42 312 | 32 131 | 9 588 | 593 | 2 | 2 | 1 | 27 |
| Other building construction | 414 988 | 216 336 | 57 952 | 140 699 | 6 | 7 | 10 | 3 |
| Nonbuilding construction, total | 121 763 483 | 73 113 392 | 29 543 548 | 19 106 542 | 1 | 1 | 1 | 1 |
| Highways, streets, and related work | 42 628 013 | 21 237 032 | 14 211 174 | 7 179 807 | 1 | 2 | 2 | 3 |
| Airport runways and related work | 1 696 575 | 857 046 | 648 764 | 190 764 | 4 | 6 | 5 | 7 |
| Private driveways and parking areas | 3 722 761 | 2 236 212 | 831 177 | 655 372 | 3 | 3 | 5 | 7 |
| Bridges, tunnels, and elevated highways | 10 697 254 | 6 992 580 | 2 949 982 | 754 692 | 1 | 2 | 2 | 4 |
| Bridges and elevated highways | 8 799 646 | 5 394 614 | 2 735 169 | 669 862 | 2 | 2 | 2 | 4 |
| Tunnels | 1 897 608 | 1 597 966 | 214 812 | 84 830 | 2 | 2 | 3 | 8 |
| Sewers, water mains, and related facilities | 19 475 202 | 14 585 845 | 3 088 543 | 1 800 814 | 2 | 2 | 4 | 5 |
| Sewers, sewer lines, septic systems, and related facilities | 11 642 425 | 8 773 515 | 1 915 138 | 953 772 | 2 | 2 | 5 | 5 |
| Water mains and related facilities | 7 832 777 | 5 812 331 | 1 173 405 | 847 042 | 2 | 2 | 5 | 9 |
| Pipeline construction other than sewer or water lines | 5 437 692 | 3 492 771 | 930 493 | 1 014 428 | 3 | 3 | 5 | 6 |
| Power and communication transmission lines, cables, towers, and related facilities | 8 279 079 | 5 377 930 | 1 423 333 | 1 477 816 | 2 | 2 | 4 | 3 |
| Power plants | 2 621 409 | 1 334 472 | 402 945 | 883 992 | 1 | Z | 3 | 1 |
| Power and cogeneration plants, except hydroelectric | 1 916 102 | 813 009 | 304 251 | 798 842 | Z | 1 | 1 | 1 |
| Power plants, hydroelectric | 705 307 | 521 464 | 98 693 | 85 150 | 3 | 1 | 10 | 12 |
| Blast furnaces, petroleum refineries, chemical complexes, etc | 6 505 276 | 2 846 631 | 1 037 258 | 2 621 388 | 2 | 2 | 1 | 2 |
| Sewage and water treatment plants | 5 401 944 | 3 471 166 | 1 731 073 | 199 706 | 4 | 4 | 6 | 7 |
| Sewage treatment plants | 3 110 034 | 1 927 122 | 1 058 890 | 124 023 | 4 | 4 | 9 | 8 |
| Water treatment plants | 2 291 910 | 1 544 044 | 672 183 | 75 683 | 5 | 7 | 4 | 9 |
| Mass transit construction | 2 127 939 | 1 237 602 | 460 406 | 429 931 | 4 | 5 | 6 | 7 |
| Urban mass transit construction | 745 507 | 568 239 | 103 662 | 73 606 | 1 | 2 | 4 | Z |
| Railroad construction | 1 382 432 | 669 363 | 356 744 | 325 325 | 7 | 9 | 8 | 8 |
| Conservation and development construction | 2 954 381 | 2 145 163 | 383 420 | 452 798 | 4 | 4 | 7 | 9 |
| Dam and reservoir construction | 876 118 | 705 294 | 86 761 | 84 063 | 5 | 5 | 20 | 10 |
| Dry/solid waste disposal | 1 101 556 | 723 397 | 237 514 | 140 645 | 4 | 5 | 5 | 15 |
| Harbor and port facilities | 681 255 | 517 713 | 115 703 | 47 838 | 6 | 7 | 5 | 11 |

Table 7. Value of Construction Work for Establishments With Payroll by Type of Construction and Industry Group: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Type of construction | Value of construction work | | | | Relative standard error of estimate (percent) for column— | | | |
|------------------------------------------------------------------------------------------|----------------------------|--------------------|-------------------------------------------|------------------------|-----------------------------------------------------------|----------|----------|----------|
| | Total | New construction | Additions, alterations, or reconstruction | Maintenance and repair | A | B | C | D |
| | A | B | C | D | A | B | C | D |
| 23, CONSTRUCTION—Con. | | | | | | | | |
| 234, Heavy construction—Con. | | | | | | | | |
| Nonbuilding construction, total—Con. | | | | | | | | |
| Marine construction | 2 240 422 | 1 111 903 | 386 272 | 742 247 | 3 | 3 | 3 | 7 |
| Outdoor swimming pools | 11 307 | 5 106 | D | D | 7 | 13 | D | D |
| Water storage facilities | 289 122 | 209 038 | D | D | 7 | 8 | D | D |
| Tank storage facilities other than water | 129 440 | 51 010 | 37 364 | 41 066 | 16 | 17 | 38 | 22 |
| Fencing | S | 7 515 | S | S | S | 23 | S | S |
| Recreational facilities | 2 084 069 | 1 651 869 | 303 696 | 128 503 | 6 | 6 | 10 | 12 |
| Billboards | D | D | D | — | D | D | D | — |
| Heavy military construction | D | D | — | — | D | D | — | — |
| Oilfields | D | D | D | D | D | D | D | D |
| Other nonbuilding construction, nec | 2 639 358 | 2 232 525 | 214 255 | 192 577 | 3 | 2 | 6 | 12 |
| Construction work, nsk | 859 210 | X | X | X | 9 | X | X | X |
| 235, Special trade contractors | | | | | | | | |
| Total | 336 060 352 | 188 721 760 | 83 117 224 | 60 670 293 | Z | Z | 1 | 1 |
| Building construction, total | 291 247 504 | 165 373 826 | 74 666 427 | 51 207 250 | Z | Z | 1 | 1 |
| Single-family houses, detached and attached | 86 928 884 | 54 585 269 | 16 882 968 | 15 460 647 | 1 | 1 | 1 | 2 |
| Single-family houses, detached | 74 077 447 | 46 476 903 | 14 507 456 | 13 093 088 | 1 | 1 | 1 | 2 |
| Single-family houses, attached | 12 851 436 | 8 108 366 | 2 375 512 | 2 367 558 | 2 | 2 | 3 | 3 |
| Apartment buildings, apartment type condominiums and cooperatives | 16 217 331 | 9 279 789 | 3 070 494 | 3 867 047 | 1 | 2 | 3 | 2 |
| All other residential buildings | 486 983 | 271 142 | 111 638 | 104 202 | 5 | 6 | 6 | 9 |
| Manufacturing and light industrial buildings | 36 500 376 | 16 589 174 | 11 664 445 | 8 246 757 | 1 | 1 | 1 | 1 |
| Manufacturing and light industrial warehouses | 9 487 958 | 5 379 812 | 2 459 837 | 1 648 310 | 1 | 2 | 2 | 2 |
| Hotels and motels | 7 754 005 | 5 264 999 | 1 387 986 | 1 101 020 | 1 | 2 | 2 | 2 |
| Office buildings | 39 486 867 | 20 133 825 | 12 576 592 | 6 776 450 | 1 | 1 | 1 | 1 |
| All other commercial buildings, nec | 32 073 644 | 18 211 632 | 7 991 589 | 5 870 422 | 1 | 1 | 2 | 2 |
| Commercial warehouses | 8 258 859 | 5 294 145 | 1 846 722 | 1 117 992 | 2 | 2 | 4 | 3 |
| Religious buildings | 4 441 713 | 2 168 119 | 1 341 656 | 931 939 | 2 | 2 | 2 | 2 |
| Educational buildings | 21 370 728 | 11 608 491 | 7 358 796 | 2 403 441 | 1 | 1 | 2 | 2 |
| Health care and institutional buildings | 15 062 949 | 7 747 804 | 5 316 614 | 1 998 531 | 1 | 1 | 2 | 3 |
| Public safety buildings | 4 405 890 | 2 866 637 | 1 074 434 | 464 819 | 2 | 3 | 3 | 3 |
| Farm buildings, nonresidential | 1 313 586 | 814 896 | 213 841 | 284 849 | 4 | 5 | 7 | 6 |
| Amusement, social, and recreational buildings | 3 121 875 | 2 127 828 | 658 421 | 335 626 | 2 | 2 | 4 | 4 |
| Other building construction | 4 335 855 | 3 030 264 | 710 394 | 595 197 | 3 | 4 | 6 | 8 |
| Nonbuilding construction, total | 41 261 774 | 23 347 934 | 8 450 797 | 9 463 043 | 1 | 1 | 2 | 2 |
| Highways, streets, and related work | 5 036 281 | 3 038 779 | 1 111 838 | 885 664 | 3 | 4 | 4 | 4 |
| Airport runways and related work | 234 521 | *156 158 | D | D | 36 | 48 | D | D |
| Private driveways and parking areas | 5 944 832 | 3 276 481 | 1 232 116 | 1 436 235 | 4 | 4 | 9 | 4 |
| Bridges, tunnels, and elevated highways | 1 201 792 | 534 429 | 340 667 | 326 696 | 4 | 5 | 5 | 9 |
| Bridges and elevated highways | 950 585 | 396 711 | 271 174 | 282 701 | 5 | 6 | 6 | 6 |
| Tunnels | 251 207 | 137 718 | 69 493 | *43 995 | 10 | 5 | 3 | 54 |
| Sewers, water mains, and related facilities | 4 131 631 | 2 791 450 | 526 402 | 813 779 | 2 | 2 | 5 | 5 |
| Sewers, sewer lines, septic systems, and related facilities | 1 756 341 | 1 123 310 | 295 668 | 337 363 | 3 | 3 | 7 | 7 |
| Water mains and related facilities | 2 375 290 | 1 668 140 | 230 734 | 476 416 | 2 | 2 | 4 | 6 |
| Pipeline construction other than sewer or water lines | 881 403 | 392 849 | 240 521 | 248 033 | 6 | 6 | 7 | 9 |
| Power and communication transmission lines, cables, towers, and related facilities | 4 672 508 | 2 771 405 | 1 123 983 | 777 120 | 5 | 4 | 7 | 14 |
| Power plants | 1 870 259 | 625 797 | 396 158 | 848 304 | 5 | 4 | 2 | 10 |
| Power and cogeneration plants, except hydroelectric | 1 455 032 | D | 339 585 | D | 2 | D | 3 | D |
| Power plants, hydroelectric | 415 227 | D | 56 573 | D | 20 | D | 6 | D |
| Blast furnaces, petroleum refineries, chemical complexes, etc | 4 074 920 | D | 1 079 319 | D | 1 | D | 2 | D |
| Sewage and water treatment plants | 2 478 693 | 1 401 485 | 759 065 | 318 144 | 3 | 2 | 6 | 6 |
| Sewage treatment plants | 1 318 032 | 755 191 | 407 900 | 154 941 | 3 | 3 | 6 | 8 |
| Water treatment plants | 1 160 661 | 646 294 | 351 164 | 163 203 | 3 | 3 | 8 | 7 |
| Mass transit construction | 707 232 | 432 779 | 216 612 | 57 842 | 3 | 4 | 2 | 7 |
| Urban mass transit construction | 492 207 | 277 296 | D | D | 2 | 2 | D | D |
| Railroad construction | 215 025 | 155 482 | D | 8 | 8 | 11 | D | D |
| Conservation and development construction | 413 869 | 287 989 | 33 566 | *92 313 | 20 | 25 | 11 | 40 |
| Dam and reservoir construction | 43 999 | 23 367 | D | D | 23 | 18 | D | D |
| Dry/solid waste disposal | 204 129 | 162 821 | D | D | 4 | 5 | D | D |
| Harbor and port facilities | 146 562 | 73 262 | D | D | 12 | 11 | D | D |
| Marine construction | 118 040 | 100 196 | D | D | 8 | 9 | D | D |
| Outdoor swimming pools | 3 194 856 | 2 476 103 | 338 128 | 380 626 | 3 | 3 | 7 | 8 |
| Water storage facilities | 651 890 | 390 823 | 48 778 | 212 290 | 11 | 18 | 8 | 7 |
| Tank storage facilities other than water | 726 839 | 400 688 | 100 184 | 225 967 | 4 | 4 | 5 | 11 |
| Fencing | 2 479 801 | 1 838 350 | 359 308 | 282 142 | 2 | 2 | 3 | 4 |
| Recreational facilities | 701 123 | 468 613 | 142 018 | 90 492 | 9 | 10 | 12 | 16 |
| Billboards | 7 918 | 5 577 | D | D | 19 | 22 | D | D |
| Heavy military construction | S | S | D | D | S | S | D | D |
| Ships | 307 737 | D | D | D | 7 | D | D | D |
| Oilfields | 300 355 | 123 527 | 49 144 | 127 684 | 16 | 8 | 13 | 35 |
| Other nonbuilding construction, nec | 708 397 | 406 001 | D | D | 4 | 3 | D | D |
| Construction work, nsk | 3 550 982 | X | X | X | 2 | X | X | X |

Table 8. Dollar Value of Business Done for Establishments With Payroll by Kind-of-Business Activity: 1997

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Primary and other kinds of business activities | Dollar value of business done | Relative standard error of estimate (percent) |
|----------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------|
| 23, CONSTRUCTION | | |
| Total | 858 581 056 | Z |
| Building, developing, and general contracting, total | 376 597 721 | Z |
| Building construction on land owned by others—general contractor or design-builder | 214 627 258 | 1 |
| Building construction on land owned by you, for sale | 70 901 074 | 1 |
| Construction management—buildings | 24 325 131 | 1 |
| Remodeling—general contractor or design-builder | 52 323 550 | 1 |
| Subdividing/developing land owned by you into lots for sale | 14 420 708 | 1 |
| Heavy construction, total | 127 604 542 | Z |
| Blasting contractor, except building demolition | 350 059 | 13 |
| Cable and conduit laying contractor | 4 616 137 | 3 |
| Construction management—heavy construction | 2 237 555 | 4 |
| Dredging contractor | 862 484 | 6 |
| Excavation work, earthmoving or land clearing contractor, not connected with buildings | 12 557 758 | 2 |
| Heavy construction contractor | 55 818 577 | 1 |
| Highway and street general contractor | 30 055 689 | 1 |
| Paving contractor—asphalt or concrete for highways, streets, or airport runways | 16 156 257 | 2 |
| Pile driving contractor | 1 072 855 | 7 |
| Pipe jacking/microtunneling contractor | S | S |
| Rental of construction machinery or equipment to others, with an operator | 2 821 763 | 3 |
| Trenching contractor | 831 831 | 6 |
| Special trade contractors, total | 336 274 202 | Z |
| Acoustical contractor | 2 431 013 | 3 |
| Antenna contractor, except household type | 106 167 | 14 |
| Architectural sheet metal contractor, including gutters and downspouts | 2 222 050 | 4 |
| Asphalt contractor, private driveways and parking areas | 5 708 990 | 3 |
| Bridge painting contractor | 264 016 | 4 |
| Building sprinkler system installation contractor | 4 090 824 | 3 |
| Cable television contractor | 609 331 | 15 |
| Carpentry contractor | 12 620 978 | 2 |
| Carpet laying or removal contractor | 3 229 692 | 2 |
| Computer flooring installation contractor | 232 852 | 6 |
| Concrete breaking and cutting contractor | 306 818 | 5 |
| Concrete contractor, except paving of roads, highways, and streets | 13 099 166 | 1 |
| Culvert and curb contractor | 1 388 660 | 4 |
| Curtain wall installation contractor | 763 264 | 3 |
| Dismantling steel oil tanks contractor, except oil field work | 139 014 | 17 |
| Drywall contractor | 11 332 063 | 2 |
| Electric power installation and service contractor, including lighting | 44 530 541 | 1 |
| Electronic control systems installation and service, except environmental control | 3 040 856 | 3 |
| Elevator installation, service, and repair contractor | 4 046 929 | 1 |
| Energy management contractor | 651 984 | 9 |
| Environmental control systems installation and service contractor | 1 989 624 | 4 |
| Escalator installation, service, and repair contractor | 318 953 | 1 |
| Excavation work: earthmoving or land clearing contractor, connected with buildings | 13 179 745 | 2 |
| Fence construction contractor | 2 914 375 | 2 |
| Fire and security systems installation and service | 4 083 863 | 3 |
| Flooring contractor, wood | 1 775 617 | 3 |
| Foundation contractor: brick, block, or stone | 1 113 844 | 4 |
| Foundation contractor, concrete | 5 108 430 | 2 |
| Foundation contractor, digging of | 1 359 501 | 4 |
| Framing contractor | 5 471 866 | 2 |
| Fresco contractor | \$1 607 | 56 |
| Garage door and overhead door installation contractor | 1 935 344 | 4 |
| Glass and glazing contractor | 3 694 304 | 1 |
| Heating, ventilation and air-conditioning contractor (HVAC) | 32 965 343 | 1 |
| Highway lighting and signal installation and service | 2 194 821 | 6 |
| House moving contractor | 172 448 | 8 |
| Insulation contractor | 4 441 212 | 2 |
| Insulation contractor, pipe and duct work | 1 196 448 | 2 |
| Lathing contractor | 682 478 | 5 |
| Lawn sprinkler installation contractor | 1 133 520 | 8 |
| Marble, granite, and slate contractor: exterior | 282 187 | 4 |
| Marble, granite, and slate contractor: interior | 870 966 | 3 |
| Masonry contractor: brick or block | 8 457 259 | 2 |
| Masonry contractor: pointing, cleaning, or caulking | 826 517 | 3 |
| Mechanical contractor | 16 445 220 | 2 |
| Millwright and machine rigging contractor | 4 639 208 | 2 |
| Modular furniture systems attachment and installation contractor | 738 439 | 4 |
| Mosaic contractor | S | S |
| Ornamental metal contractor | 702 853 | 4 |
| Paint and wallpaper removal contractor | 298 923 | 6 |
| Painting contractor | 11 005 522 | 1 |
| Paper hanging and wall covering contractor | 970 861 | 3 |
| Plastering contractor | 1 949 002 | 4 |
| Plumbing contractor | 22 077 053 | 2 |
| Precast concrete installation contractor | 505 974 | 5 |
| Radon remediation contractor | 17 274 | 18 |
| Refractory brick contractor | 781 773 | 5 |
| Refrigeration contractor | 2 205 200 | 6 |
| Reinforcing steel contractor | 1 487 694 | 3 |
| Resilient floor laying contractor | 1 270 628 | 3 |
| Roofing contractor | 14 761 716 | 1 |
| Sandblasting contractor, building exteriors | 419 211 | 5 |
| Scaffolding contractor | 634 854 | 1 |
| Septic system installation contractor | 852 292 | 9 |
| Service station equipment installation contractor | 1 238 937 | 6 |
| Sheet metal contractor, except HVAC and plumbing | 4 041 025 | 2 |
| Ship painting contractor | 103 070 | 1 |
| Shotcrete contractor | 324 711 | 9 |
| Siding contractor | 2 807 746 | 4 |
| Specialty sheet metal contractor, including decking and metal ceilings | 679 280 | 6 |

Table 8. Dollar Value of Business Done for Establishments With Payroll by Kind-of-Business Activity: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Primary and other kinds of business activities | Dollar value of business done | Relative standard error of estimate (percent) |
|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------|
| 23, CONSTRUCTION—Con. | | |
| Special trade contractors, total—Con. | | |
| Steamfitting and piping contractor | 3 506 487 | 2 |
| Steel framing contractor | 299 241 | 9 |
| Stonework contractor | 804 381 | 9 |
| Storage tanks, metal, erection contractor | 1 170 871 | 6 |
| Structural steel erection contractor | 4 428 034 | 2 |
| Stucco contractor | 744 308 | 10 |
| Subdividing and preparing land owned by others | 463 617 | 6 |
| Swimming pool contractor | 3 181 261 | 3 |
| Telecommunications installation and service | 9 723 523 | 2 |
| Terrazzo contractor | 187 965 | 4 |
| Test boring or core drilling contractor for construction | 542 493 | 4 |
| Tile contractor | 2 824 892 | 2 |
| Tinting glass contractor | 91 736 | 13 |
| Traffic lane painting contractor | 620 332 | 5 |
| Waterproofing, dampproofing and fireproofing contractor | 1 848 773 | 2 |
| Water well drilling contractor | 2 151 094 | 2 |
| Welding contractor, operating at site of construction | 1 014 760 | 4 |
| Wrecking and demolition contractor, buildings and other structures | 1 880 220 | 1 |
| Other miscellaneous construction (special case) activities | 2 834 928 | 2 |
| Other construction activities, nec | 375 893 | 3 |
| Other business activities secondary to construction activities, total | 12 502 471 | 2 |
| Architectural services, secondary to construction activities | 285 479 | 6 |
| Asbestos abatement and lead paint removal contractor, secondary to construction activities | 245 200 | 4 |
| Building construction on land owned by you, for rent or lease (investment builder), secondary to construction activities | 1 227 123 | 10 |
| Engineering services, secondary to construction activities | 705 784 | 5 |
| Manufacturing—products manufactured and sold to others, secondary to construction activities | 1 785 091 | 3 |
| Mining—minerals produced and sold to others, secondary to construction activities | 555 257 | 5 |
| Other business activities, secondary to construction activities, nec | 1 659 193 | 2 |
| Real estate commissions and property management fees, secondary to construction activities | 647 602 | 4 |
| Rental of construction machinery or equipment to others, without an operator, secondary to construction activities | 480 525 | 2 |
| Rental or lease of properties, secondary to construction activities | 717 136 | 4 |
| Retail trade, secondary to construction activities | 2 628 044 | 3 |
| Transportation of goods for others, secondary to construction activities | 637 505 | 4 |
| Wholesale trade, secondary to construction activities | 928 533 | 4 |
| Kind of business activity, nsk | 5 226 100 | 2 |
| 233, Building, developing, & general contracting | | |
| Total | 386 925 952 | Z |
| Building, developing, and general contracting, total | 374 391 535 | Z |
| Building construction on land owned by others—general contractor or design-builder | 213 108 701 | 1 |
| Building construction on land owned by you, for sale | 70 836 823 | 1 |
| Construction management—buildings | 24 225 904 | 1 |
| Remodeling—general contractor or design-builder | 51 854 928 | 1 |
| Subdividing/developing land owned by you into lots for sale | 14 365 178 | 1 |
| Heavy construction, total | 1 109 394 | 3 |
| Blasting contractor, except building demolition | D | D |
| Cable and conduit laying contractor | \$42 694 | 72 |
| Dredging contractor | D | D |
| Excavation work, earthmoving or land clearing contractor, not connected with buildings | 95 376 | 4 |
| Heavy construction contractor | 664 579 | 2 |
| Highway and street general contractor | 176 999 | 6 |
| Paving contractor—asphalt or concrete for highways, streets, or airport runways | 82 979 | 3 |
| Pile driving contractor | \$1 206 | 62 |
| Rental of construction machinery or equipment to others, with an operator | 39 515 | 8 |
| Trenching contractor | 3 781 | 19 |
| Special trade contractors, total | 3 033 102 | 2 |
| Acoustical contractor | D | D |
| Architectural sheet metal contractor, including gutters and downspouts | 4 907 | 27 |
| Asphalt contractor, private driveways and parking areas | 7 008 | 34 |
| Bridge painting contractor | D | D |
| Building sprinkler system installation contractor | 483 | 29 |
| Carpentry contractor | 124 574 | 5 |
| Carpet laying or removal contractor | 7 946 | 15 |
| Computer flooring installation contractor | D | D |
| Concrete breaking and cutting contractor | D | D |
| Concrete contractor, except paving of roads, highways, and streets | 188 322 | 7 |
| Culvert and curb contractor | 1 879 | 11 |
| Curtain wall installation contractor | \$1 954 | 59 |
| Drywall contractor | D | D |
| Electric power installation and service contractor, including lighting | 95 283 | 14 |
| Electronic control systems installation and service, except environmental control | 3 748 | Z |
| Elevator installation, service, and repair contractor | D | D |
| Environmental control systems installation and service contractor | 2 138 | 14 |
| Excavation work: earthmoving or land clearing contractor, connected with buildings | 1 573 447 | 2 |
| Fence construction contractor | 8 918 | 16 |
| Fire and security systems installation and service | 17 984 | 18 |
| Flooring contractor, wood | 5 683 | 9 |
| Foundation contractor: brick, block, or stone | 3 770 | 27 |
| Foundation contractor, concrete | 38 544 | 21 |
| Foundation contractor, digging of | \$3 305 | 56 |
| Framing contractor | D | D |
| Garage door and overhead door installation contractor | 4 755 | 34 |
| Glass and glazing contractor | D | D |
| Heating, ventilation and air-conditioning contractor (HVAC) | 45 469 | 14 |
| Highway lighting and signal installation and service | D | D |
| House moving contractor | 1 387 | 6 |
| Insulation contractor | S | S |
| Insulation contractor, pipe and duct work | 7 129 | 14 |
| Lathing contractor | D | D |
| Lawn sprinkler installation contractor | 8 541 | 4 |
| Marble, granite, and slate contractor: interior | S | S |
| Masonry contractor: brick or block | 46 239 | 27 |
| Masonry contractor: pointing, cleaning, or caulking | D | D |
| Mechanical contractor | 47 521 | 7 |
| Millwright and machine rigging contractor | 140 219 | 1 |

Table 8. Dollar Value of Business Done for Establishments With Payroll by Kind-of-Business Activity: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Primary and other kinds of business activities | Dollar value of business done | Relative standard error of estimate (percent) |
|--------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------|
| 23, CONSTRUCTION—Con. | | |
| 233, Building, developing, & general contracting—Con. | | |
| Special trade contractors, total—Con. | | |
| Modular furniture systems attachment and installation contractor | 13 002 | Z |
| Mosaic contractor | S | S |
| Ornamental metal contractor | D | D |
| Paint and wallpaper removal contractor | S | S |
| Painting contractor | 64 439 | 11 |
| Paper hanging and wall covering contractor | 6 473 | 18 |
| Plastering contractor | 884 | 48 |
| Plumbing contractor | 30 954 | 15 |
| Precast concrete installation contractor | 5 119 | 34 |
| Refractory brick contractor | D | D |
| Refrigeration contractor | 8 474 | 11 |
| Reinforcing steel contractor | 627 | 12 |
| Resilient floor laying contractor | S | S |
| Roofing contractor | D | D |
| Sandblasting contractor, building exteriors | S | S |
| Scaffolding contractor | D | D |
| Septic system installation contractor | 12 450 | 60 |
| Service station equipment installation contractor | 14 804 | 8 |
| Sheet metal contractor, except HVAC and plumbing | D | D |
| Shotcrete contractor | D | D |
| Siding contractor | D | D |
| Specialty sheet metal contractor, including decking and metal ceilings | 1 327 | 43 |
| Steamfitting and piping contractor | 3 831 | Z |
| Steel framing contractor | 9 862 | 2 |
| Stonework contractor | 411 | 30 |
| Storage tanks, metal erection contractor | 3 100 | 18 |
| Structural steel erection contractor | 28 109 | 4 |
| Stucco contractor | D | D |
| Subdividing and preparing land owned by others | 1 396 | Z |
| Swimming pool contractor | 12 939 | 45 |
| Telecommunications installation and service | 18 330 | 11 |
| Test boring or core drilling contractor for construction | 574 | 42 |
| Tile contractor | S | S |
| Tinting glass contractor | 507 | 7 |
| Traffic lane painting contractor | D | D |
| Waterproofing, dampproofing and fireproofing contractor | 14 855 | 8 |
| Water well drilling contractor | 2 634 | 38 |
| Welding contractor, operating at site of construction | S | S |
| Wrecking and demolition contractor, buildings and other structures | 10 624 | 6 |
| Other miscellaneous construction (special case) activities | 14 007 | 9 |
| Other construction activities, nec | 131 717 | 2 |
| Other business activities secondary to construction activities, total | 4 852 467 | 3 |
| Architectural services, secondary to construction activities | 276 834 | 6 |
| Asbestos abatement and lead paint removal contractor, secondary to construction activities | 34 826 | 28 |
| Building construction on land owned by you, for rent or lease (investment builder), secondary to construction activities | 1 157 210 | 11 |
| Engineering services, secondary to construction activities | 226 659 | 3 |
| Manufacturing—products manufactured and sold to others, secondary to construction activities | 267 110 | 14 |
| Mining—minerals produced and sold to others, secondary to construction activities | S | S |
| Other business activities, secondary to construction activities, nec | 951 745 | 2 |
| Real estate commissions and property management fees, secondary to construction activities | 617 083 | 4 |
| Rental of construction machinery or equipment to others, without an operator, secondary to construction activities | 19 765 | 2 |
| Rental or lease of properties, secondary to construction activities | 659 260 | 4 |
| Retail trade, secondary to construction activities | 475 685 | 12 |
| Transportation of goods for others, secondary to construction activities | 72 618 | 14 |
| Wholesale trade, secondary to construction activities | 68 062 | 15 |
| Kind of business activity, nsk | 3 407 740 | 2 |
| 234, Heavy construction | | |
| Total | 130 794 520 | Z |
| Building, developing, and general contracting, total | 1 046 363 | 3 |
| Building construction on land owned by others—general contractor or design-builder | 910 525 | 3 |
| Building construction on land owned by you, for sale | 8 076 | 42 |
| Remodeling—general contractor or design-builder | 115 264 | 8 |
| Subdividing/developing land owned by you into lots for sale | 12 497 | 19 |
| Heavy construction, total | 122 410 455 | 1 |
| Blasting contractor, except building demolition | D | D |
| Cable and conduit laying contractor | 4 521 346 | 3 |
| Construction management—heavy construction | 2 237 555 | 4 |
| Dredging contractor | 860 813 | 6 |
| Excavation work, earthmoving or land clearing contractor, not connected with buildings | 11 116 651 | 2 |
| Heavy construction contractor | 54 265 917 | 1 |
| Highway and street general contractor | 29 273 716 | 1 |
| Paving contractor—asphalt or concrete for highways, streets, or airport runways | 15 117 356 | 2 |
| Pile driving contractor | 1 049 110 | 7 |
| Pipe jacking/microtunneling contractor | D | D |
| Rental of construction machinery or equipment to others, with an operator | 2 626 601 | 3 |
| Trenching contractor | 780 454 | 7 |
| Special trade contractors, total | 3 972 170 | 2 |
| Acoustical contractor | D | D |
| Antenna contractor, except household type | 5 127 | 4 |
| Asphalt contractor, private driveways and parking areas | 812 490 | 5 |
| Bridge painting contractor | D | D |
| Building sprinkler system installation contractor | 2 184 | 5 |
| Cable television contractor | D | D |
| Carpentry contractor | 18 509 | 30 |
| Computer flooring installation contractor | D | D |
| Concrete breaking and cutting contractor | D | D |
| Concrete contractor, except paving of roads, highways, and streets | 184 695 | 16 |

Table 8. Dollar Value of Business Done for Establishments With Payroll by Kind-of-Business Activity: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Primary and other kinds of business activities | Dollar value of business done | Relative standard error of estimate (percent) |
|--------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------|
| 23, CONSTRUCTION—Con. | | |
| 234, Heavy construction—Con. | | |
| Special trade contractors, total—Con. | | |
| Culvert and curb contractor | 158 052 | 9 |
| Curtain wall installation contractor | 1 442 | 36 |
| Dismantling steel oil tanks contractor, except oil field work | 2 932 | Z |
| Drywall contractor | D | D |
| Electric power installation and service contractor, including lighting | 41 554 | 12 |
| Electronic control systems installation and service, except environmental control | 9 076 | 1 |
| Elevator installation, service, and repair contractor | D | D |
| Environmental control systems installation and service contractor | 15 499 | 37 |
| Escalator installation, service, and repair contractor | 3 156 | 34 |
| Excavation work: earthmoving or land clearing contractor, connected with buildings | 1 770 272 | 3 |
| Fence construction contractor | 29 003 | 31 |
| Fire and security systems installation and service | *152 | 65 |
| Foundation contractor: brick, block, or stone | S | S |
| Foundation contractor, concrete | 48 459 | 5 |
| Foundation contractor, digging of | 87 528 | 7 |
| Framing contractor | D | D |
| Glass and glazing contractor | D | D |
| Heating, ventilation and air-conditioning contractor (HVAC) | 6 135 | 2 |
| Highway lighting and signal installation and service | D | D |
| House moving contractor | S | S |
| Insulation contractor, pipe and duct work | 25 513 | 1 |
| Lawn sprinkler installation contractor | 3 062 | 16 |
| Masonry contractor: brick or block | 3 305 | 37 |
| Masonry contractor: pointing, cleaning, or caulking | D | D |
| Mechanical contractor | 41 145 | 22 |
| Millwright and machine rigging contractor | 54 648 | 3 |
| Ornamental metal contractor | D | D |
| Paint and wallpaper removal contractor | *405 | 40 |
| Painting contractor | 52 527 | 22 |
| Plumbing contractor | 25 546 | 5 |
| Precast concrete installation contractor | 30 947 | 10 |
| Refractory brick contractor | D | D |
| Reinforcing steel contractor | 5 667 | 1 |
| Roofing contractor | D | D |
| Sandblasting contractor, building exteriors | 1 060 | 18 |
| Scaffolding contractor | D | D |
| Septic system installation contractor | 62 873 | 32 |
| Service station equipment installation contractor | S | S |
| Sheet metal contractor, except HVAC and plumbing | D | D |
| Shotcrete contractor | D | D |
| Siding contractor | D | D |
| Steamfitting and piping contractor | D | D |
| Stonework contractor | *6 853 | 42 |
| Storage tanks, metal erection contractor | *2 499 | 67 |
| Structural steel erection contractor | *37 577 | 45 |
| Stucco contractor | 51 214 | 4 |
| Subdividing and preparing land owned by others | D | D |
| Swimming pool contractor | 47 470 | 14 |
| Telecommunications installation and service | 6 524 | 10 |
| Test boring or core drilling contractor for construction | 28 638 | 12 |
| Traffic lane painting contractor | 8 919 | 24 |
| Waterproofing, dampproofing and fireproofing contractor | D | D |
| Water well drilling contractor | 1 623 | 8 |
| Welding contractor, operating at site of construction | S | S |
| Wrecking and demolition contractor, buildings and other structures | *26 568 | 42 |
| Other miscellaneous construction (special case) activities | 71 119 | 6 |
| Other miscellaneous construction (special case) activities | 32 255 | 26 |
| Other construction activities, nec | 70 865 | 6 |
| Other business activities secondary to construction activities, total | 2 924 157 | 2 |
| Architectural services, secondary to construction activities | 1 770 | 9 |
| Asbestos abatement and lead paint removal contractor, secondary to construction activities | 11 379 | 14 |
| Building construction on land owned by you, for rent or lease (investment builder), secondary to construction activities | 6 980 | 6 |
| Engineering services, secondary to construction activities | 219 224 | 14 |
| Manufacturing—products manufactured and sold to others, secondary to construction activities | 832 872 | 3 |
| Mining—minerals produced and sold to others, secondary to construction activities | 465 670 | 5 |
| Other business activities, secondary to construction activities, nec | 210 866 | 4 |
| Real estate commissions and property management fees, secondary to construction activities | S | S |
| Rental of construction machinery or equipment to others, without an operator, secondary to construction activities | 307 075 | 3 |
| Rental or lease of properties, secondary to construction activities | S | S |
| Retail trade, secondary to construction activities | 390 717 | 3 |
| Transportation of goods for others, secondary to construction activities | 258 765 | 6 |
| Wholesale trade, secondary to construction activities | 180 176 | 4 |
| Kind of business activity, nsk | 370 385 | 13 |
| 235, Special trade contractors | | |
| Total | 340 860 576 | Z |
| Building, developing, and general contracting, total | 1 159 824 | 3 |
| Building construction on land owned by others—general contractor or design-builder | 608 031 | 4 |
| Building construction on land owned by you, for sale | 56 174 | 19 |
| Construction management—buildings | 99 227 | 3 |
| Remodeling—general contractor or design-builder | 353 358 | 5 |
| Subdividing/developing land owned by you into lots for sale | 43 032 | 20 |
| Heavy construction, total | 4 084 694 | 3 |
| Blasting contractor, except building demolition | 8 860 | 24 |
| Cable and conduit laying contractor | 52 097 | 14 |
| Dredging contractor | D | D |
| Excavation work, earthmoving or land clearing contractor, not connected with buildings | 1 345 732 | 3 |
| Heavy construction contractor | 888 081 | 6 |
| Highway and street general contractor | 604 974 | 6 |
| Paving contractor—asphalt or concrete for highways, streets, or airport runways | 955 923 | 7 |
| Pile driving contractor | 22 539 | 9 |
| Pipe jacking/microtunneling contractor | D | D |
| Rental of construction machinery or equipment to others, with an operator | 155 647 | 5 |
| Trenching contractor | 47 596 | 12 |

Table 8. Dollar Value of Business Done for Establishments With Payroll by Kind-of-Business Activity: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Primary and other kinds of business activities | Dollar value of business done | Relative standard error of estimate (percent) |
|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------|
| 23, CONSTRUCTION—Con. | | |
| 235, Special trade contractors—Con. | | |
| Special trade contractors, total | 329 268 930 | Z |
| Acoustical contractor | 2 409 341 | 3 |
| Antenna contractor, except household type | 101 040 | 15 |
| Architectural sheet metal contractor, including gutters and downspouts | 2 217 143 | 4 |
| Asphalt contractor, private driveways and parking areas | 4 889 492 | 4 |
| Bridge painting contractor | 259 418 | 4 |
| Building sprinkler system installation contractor | 4 088 157 | 3 |
| Cable television contractor | D | D |
| Carpentry contractor | 12 477 896 | 2 |
| Carpet laying or removal contractor | 3 221 746 | 2 |
| Computer flooring installation contractor | 231 428 | 6 |
| Concrete breaking and cutting contractor | 306 489 | 5 |
| Concrete contractor, except paving of roads, highways, and streets | 12 726 149 | 1 |
| Culvert and curb contractor | 1 228 730 | 5 |
| Curtain wall installation contractor | 759 868 | 3 |
| Dismantling steel oil tanks contractor, except oil field work | 136 082 | 17 |
| Drywall contractor | 11 244 892 | 2 |
| Electric power installation and service contractor, including lighting | 44 393 705 | 1 |
| Electronic control systems installation and service, except environmental control | 3 028 031 | 3 |
| Elevator installation, service, and repair contractor | 4 046 632 | 1 |
| Energy management contractor | 651 984 | 9 |
| Environmental control systems installation and service contractor | 1 971 987 | 4 |
| Escalator installation, service, and repair contractor | 315 797 | 1 |
| Excavation work: earthmoving or land clearing contractor, connected with buildings | 9 836 026 | 2 |
| Fence construction contractor | 2 876 454 | 2 |
| Fire and security systems installation and service | 4 065 727 | 3 |
| Flooring contractor, wood | 1 769 934 | 3 |
| Foundation contractor: brick, block, or stone | 1 107 974 | 4 |
| Foundation contractor, concrete | 5 021 427 | 2 |
| Foundation contractor, digging of | 1 268 668 | 4 |
| Framing contractor | 5 394 698 | 2 |
| Fresco contractor | ^s 1 607 | 56 |
| Garage door and overhead door installation contractor | 1 930 589 | 4 |
| Glass and glazing contractor | 3 687 201 | 1 |
| Heating, ventilation and air-conditioning contractor (HVAC) | 32 913 740 | 1 |
| Highway lighting and signal installation and service | D | D |
| House moving contractor | 170 040 | 8 |
| Insulation contractor | 4 438 746 | 2 |
| Insulation contractor, pipe and duct work | 1 163 805 | 2 |
| Lathing contractor | D | D |
| Lawn sprinkler installation contractor | 1 121 917 | 8 |
| Marble, granite, and slate contractor: exterior | 282 187 | 4 |
| Marble, granite, and slate contractor: interior | 869 859 | 3 |
| Masonry contractor: brick or block | 8 407 714 | 2 |
| Masonry contractor: pointing, cleaning, or caulking | 825 699 | 3 |
| Mechanical contractor | 16 356 555 | 2 |
| Millwright and machine rigging contractor | 4 444 341 | 2 |
| Modular furniture systems attachment and installation contractor | 725 437 | 4 |
| Mosaic contractor | 3 684 | 24 |
| Ornamental metal contractor | 695 348 | 4 |
| Paint and wallpaper removal contractor | 285 779 | 6 |
| Painting contractor | 10 888 556 | 1 |
| Paper hanging and wall covering contractor | 964 388 | 3 |
| Plastering contractor | 1 948 118 | 4 |
| Plumbing contractor | 22 020 553 | 2 |
| Precast concrete installation contractor | 469 907 | 5 |
| Radon remediation contractor | 17 274 | 18 |
| Refractory brick contractor | D | D |
| Refrigeration contractor | 2 196 727 | 6 |
| Reinforcing steel contractor | 1 481 401 | 3 |
| Resilient floor laying contractor | 1 265 003 | 3 |
| Roofing contractor | 14 685 981 | 1 |
| Sandblasting contractor, building exteriors | 410 629 | 5 |
| Scaffolding contractor | 632 442 | 1 |
| Septic system installation contractor | 776 969 | 10 |
| Service station equipment installation contractor | 1 217 552 | 6 |
| Sheet metal contractor, except HVAC and plumbing | 4 033 474 | 2 |
| Ship painting contractor | 103 070 | 1 |
| Shotcrete contractor | D | D |
| Siding contractor | 2 781 858 | 4 |
| Specialty sheet metal contractor, including decking and metal ceilings | 677 954 | 6 |
| Steamfitting and piping contractor | 3 495 803 | 2 |
| Steel framing contractor | 289 379 | 10 |
| Stonework contractor | 801 471 | 9 |
| Storage tanks, metal, erection contractor | 1 130 193 | 6 |
| Structural steel erection contractor | 4 348 710 | 2 |
| Stucco contractor | 735 851 | 10 |
| Subdividing and preparing land owned by others | 414 750 | 6 |
| Swimming pool contractor | 3 161 797 | 3 |
| Telecommunications installation and service | 9 676 555 | 2 |
| Terrazzo contractor | 187 965 | 4 |
| Test boring or core drilling contractor for construction | 533 000 | 4 |
| Tile contractor | 2 814 196 | 2 |
| Tinting glass contractor | 91 229 | 13 |
| Traffic lane painting contractor | 588 968 | 5 |
| Waterproofing, dampproofing and fireproofing contractor | 1 832 296 | 2 |
| Water well drilling contractor | 2 125 607 | 2 |
| Welding contractor, operating at site of construction | 980 140 | 4 |
| Wrecking and demolition contractor, buildings and other structures | 1 798 477 | 1 |
| Other miscellaneous construction (special case) activities | 2 788 666 | 2 |
| Other construction activities, nec | 173 310 | 5 |
| Other business activities secondary to construction activities, total | 4 725 847 | 2 |
| Architectural services, secondary to construction activities | 6 876 | 9 |
| Asbestos abatement and lead paint removal contractor, secondary to construction activities | 198 995 | 2 |
| Building construction on land owned by you, for rent or lease (investment builder), secondary to construction activities | 62 933 | 4 |

Table 8. **Dollar Value of Business Done for Establishments With Payroll by Kind-of-Business Activity: 1997—Con.**

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Primary and other kinds of business activities | Dollar value of business done | Relative standard error of estimate (percent) |
|--------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------|
| 23, CONSTRUCTION—Con. | | |
| 235, Special trade contractors—Con. | | |
| Other business activities secondary to construction activities, total—Con. | | |
| Engineering services, secondary to construction activities | 259 901 | 7 |
| Manufacturing—products manufactured and sold to others, secondary to construction activities | 685 109 | 4 |
| Mining—minerals produced and sold to others, secondary to construction activities | 63 977 | 8 |
| Other business activities, secondary to construction activities, nec | 496 582 | 4 |
| Real estate commissions and property management fees, secondary to construction activities | 11 122 | 8 |
| Rental of construction machinery or equipment to others, without an operator, secondary to construction activities | 153 685 | 5 |
| Rental or lease of properties, secondary to construction activities | 38 610 | 16 |
| Retail trade, secondary to construction activities | 1 761 641 | 4 |
| Transportation of goods for others, secondary to construction activities | 306 122 | 5 |
| Wholesale trade, secondary to construction activities | 680 295 | 5 |
| Kind of business activity, nsk | 1 447 975 | 3 |

Table 9. Value of Construction Work for Establishments With Payroll by Location of Construction Work and Industry Group: 1997

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. * Indicates geographic change, but not applicable to this sector. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Item | Construction work done by establishments located in this state | | Construction work done by establishments not located in this state | | Construction work done by establishments not reporting | | Relative standard error of estimate (percent) for column— | | | |
|-------------------------------------------------------------|----------------------------------------------------------------|----------------|--------------------------------------------------------------------|---------------|--------------------------------------------------------|----------------|-----------------------------------------------------------|----------|----------|----------|
| | Value of construction work done in this state | Number | Value of construction work | Number | Value of construction work | Number | Value of construction work | A | C | E |
| | A | B | C | D | E | F | G | | | |
| 23, CONSTRUCTION | | | | | | | | | | |
| United States | 845 543 552 | 395 528 | 592 362 578 | 94 956 | 85 371 637 | 258 116 | 167 809 380 | Z | Z | 1 |
| Alabama | 11 831 782 | 5 491 | 7 743 749 | 1 818 | 1 459 909 | 4 025 | 2 628 124 | 2 | 2 | 3 |
| Alaska | 2 951 042 | 1 268 | 1 892 532 | 613 | 568 088 | 764 | 490 421 | 2 | 3 | 6 |
| Arizona | 19 818 050 | 6 573 | 14 151 570 | 1 078 | 2 036 494 | 4 411 | 3 629 986 | 1 | 1 | 2 |
| Arkansas | 5 299 783 | 3 327 | 3 078 862 | 1 134 | 1 133 951 | 2 035 | 1 086 970 | 5 | 8 | 3 |
| California | 91 284 281 | 34 591 | 67 880 775 | 1 495 | 3 802 634 | 25 430 | 19 600 872 | Z | 1 | 2 |
| Colorado | 18 755 769 | 9 300 | 13 915 109 | 1 276 | 1 496 996 | 5 294 | 3 343 663 | 1 | 2 | 4 |
| Connecticut | 10 203 546 | 5 495 | 6 747 752 | 2 047 | 1 397 226 | 3 508 | 2 058 567 | 1 | 2 | 2 |
| Delaware | 3 512 877 | 1 389 | 2 101 480 | 1 441 | 849 118 | 878 | 562 280 | 4 | 6 | 3 |
| District of Columbia | 3 318 660 | 164 | 434 392 | 2 431 | 2 578 449 | 142 | 305 819 | 1 | 2 | 2 |
| Florida | 51 204 302 | 21 169 | 35 744 324 | 2 413 | 3 439 393 | 15 347 | 12 020 585 | 1 | 2 | 3 |
| Georgia | 27 519 944 | 10 047 | 18 231 195 | 2 932 | 2 984 443 | 7 714 | 6 304 306 | 1 | 2 | 2 |
| Hawaii* | 4 441 264 | 1 555 | 3 126 604 | 275 | 562 274 | 766 | 752 386 | 1 | 1 | 3 |
| Idaho | 4 758 411 | 3 417 | 2 811 102 | 1 104 | 565 419 | 1 900 | 1 381 890 | 2 | 4 | 2 |
| Illinois | 39 077 115 | 17 238 | 29 133 096 | 3 296 | 2 583 713 | 10 628 | 7 360 305 | 1 | 2 | 3 |
| Indiana | 19 124 919 | 10 404 | 13 928 279 | 3 059 | 2 091 534 | 5 464 | 3 105 106 | 2 | 2 | 3 |
| Iowa | 8 093 296 | 5 214 | 5 760 820 | 1 945 | 1 084 626 | 2 665 | 1 247 850 | 2 | 2 | 3 |
| Kansas | 8 528 799 | 5 370 | 5 505 303 | 2 161 | 1 610 510 | 2 719 | 1 412 985 | 2 | 3 | 5 |
| Kentucky | 10 408 841 | 5 235 | 6 371 157 | 3 127 | 2 050 600 | 3 612 | 1 987 085 | 3 | 4 | 4 |
| Louisiana | 11 460 359 | 4 706 | 7 536 215 | 1 461 | 1 447 538 | 3 068 | 2 476 605 | 1 | 2 | 2 |
| Maine | 2 842 765 | 2 751 | 1 924 315 | 581 | 324 225 | 1 489 | 594 225 | 3 | 4 | 7 |
| Maryland | 18 340 057 | 8 876 | 11 892 876 | 2 855 | 2 553 814 | 5 570 | 3 893 367 | 1 | 1 | 3 |
| Massachusetts | 19 596 316 | 8 580 | 13 674 520 | 2 561 | 1 776 397 | 6 356 | 4 145 399 | 1 | 2 | 2 |
| Michigan | 30 784 553 | 15 654 | 23 106 557 | 1 948 | 1 791 588 | 9 731 | 5 886 407 | 1 | 2 | 2 |
| Minnesota | 16 355 008 | 8 392 | 12 628 579 | 1 674 | 823 159 | 4 566 | 2 903 269 | 1 | 2 | 2 |
| Mississippi | 6 496 741 | 2 743 | 4 104 638 | 1 602 | 1 305 115 | 2 035 | 1 086 988 | 2 | 4 | 3 |
| Missouri | 16 548 981 | 9 002 | 11 524 617 | 2 217 | 1 640 584 | 5 951 | 3 383 780 | 2 | 2 | 2 |
| Montana | 2 297 045 | 2 160 | 1 554 406 | 1 385 | 336 217 | 1 245 | 406 421 | 3 | 4 | 2 |
| Nebraska | 5 362 569 | 3 569 | 3 845 380 | 1 050 | 705 750 | 1 604 | 811 440 | 2 | 3 | 3 |
| Nevada | 14 269 800 | 2 566 | 9 509 449 | 1 525 | 2 770 222 | 1 840 | 1 990 129 | 1 | 1 | 1 |
| New Hampshire | 3 153 800 | 2 343 | 2 026 262 | 1 651 | 597 580 | 1 294 | 529 959 | 3 | 4 | 4 |
| New Jersey | 24 307 407 | 12 746 | 15 530 257 | 3 184 | 2 757 063 | 9 182 | 6 020 087 | 1 | 1 | 1 |
| New Mexico | 5 168 233 | 2 715 | 3 380 969 | 842 | 728 393 | 1 947 | 1 058 871 | 2 | 3 | 7 |
| New York | 44 092 425 | 20 495 | 30 089 584 | 3 180 | 2 907 185 | 16 164 | 11 095 656 | 2 | 2 | 2 |
| North Carolina | 27 795 455 | 13 946 | 18 753 012 | 3 038 | 3 643 910 | 9 946 | 5 398 533 | 1 | 1 | 2 |
| North Dakota | 1 854 198 | 1 367 | 1 257 966 | 615 | 321 200 | 658 | 275 032 | 2 | 4 | 4 |
| Ohio | 32 568 900 | 16 563 | 24 446 202 | 3 130 | 2 681 125 | 9 447 | 5 441 573 | 1 | 1 | 2 |
| Oklahoma | 6 108 064 | 4 016 | 4 212 884 | 1 184 | 784 182 | 2 720 | 1 110 998 | 2 | 3 | 7 |
| Oregon | 13 403 220 | 7 729 | 9 789 016 | 1 578 | 1 663 696 | 3 981 | 1 950 508 | 1 | 2 | 2 |
| Pennsylvania | 31 466 614 | 17 038 | 22 369 338 | 4 120 | 2 203 088 | 10 343 | 6 894 187 | 1 | 1 | 3 |
| Rhode Island | 3 194 386 | 1 981 | 2 492 621 | 906 | 245 711 | 1 068 | 456 054 | 2 | 2 | 6 |
| South Carolina | 12 475 285 | 5 859 | 7 200 893 | 2 984 | 2 607 092 | 4 542 | 2 667 300 | 2 | 3 | 2 |
| South Dakota | 2 040 811 | 1 425 | 1 315 888 | 874 | 463 185 | 984 | 261 738 | 3 | 4 | 6 |
| Tennessee | 16 581 217 | 6 921 | 11 316 623 | 2 215 | 2 171 263 | 4 449 | 3 093 330 | 1 | 2 | 3 |
| Texas | 59 729 934 | 19 512 | 43 897 017 | 2 239 | 4 109 521 | 15 725 | 11 723 396 | 1 | 1 | 2 |
| Utah | 8 167 423 | 4 733 | 6 040 183 | 543 | 633 230 | 2 508 | 1 494 009 | 3 | 4 | 2 |
| Vermont | 1 471 688 | 1 618 | 1 015 072 | 606 | 200 107 | 822 | 256 508 | 3 | 4 | 8 |
| Virginia | 25 126 433 | 12 484 | 16 192 786 | 4 361 | 4 964 738 | 6 978 | 3 968 909 | 1 | 1 | 1 |
| Washington | 21 014 074 | 12 249 | 15 266 164 | 1 928 | 1 807 851 | 7 552 | 3 940 060 | 1 | 1 | 7 |
| West Virginia | 3 735 889 | 2 867 | 1 943 214 | 1 850 | 1 032 738 | 1 618 | 759 937 | 2 | 3 | 3 |
| Wisconsin | 15 824 673 | 10 255 | 12 816 273 | 1 592 | 700 203 | 4 704 | 2 308 197 | 1 | 1 | 3 |
| Wyoming | 1 776 595 | 1 416 | 1 150 700 | 832 | 378 588 | 713 | 247 307 | 3 | 4 | 7 |
| 233, Building, developing, & general contracting | | | | | | | | | | |
| United States | 381 641 600 | 114 822 | 266 721 401 | 21 938 | 41 157 571 | 83 544 | 73 762 659 | Z | 1 | 1 |
| Alabama | 5 869 040 | 1 674 | 4 042 530 | 418 | 494 069 | 1 152 | 1 332 441 | 3 | 4 | 6 |
| Alaska | 1 109 015 | 360 | 700 066 | 98 | 199 143 | 306 | 209 805 | 2 | 3 | 2 |
| Arizona | 10 129 554 | 1 912 | 6 902 777 | 308 | 1 329 690 | 1 454 | 1 897 086 | 1 | 2 | 2 |
| Arkansas | 2 456 295 | 905 | 1 457 652 | 295 | 539 287 | 630 | 459 356 | 9 | 16 | 5 |
| California | 41 769 322 | 10 092 | 30 660 554 | 391 | 2 159 856 | 8 900 | 8 948 912 | 1 | 1 | 2 |
| Colorado | 8 938 673 | 2 516 | 6 741 132 | 400 | 933 178 | 1 752 | 1 264 363 | 2 | 3 | 7 |
| Connecticut | 4 275 324 | 1 387 | 2 850 377 | 445 | 655 339 | 1 090 | 769 608 | 3 | 4 | 2 |
| Delaware | 1 655 068 | 368 | 954 928 | 329 | 397 122 | 325 | 303 017 | 8 | 14 | 2 |
| District of Columbia | 1 936 631 | 55 | 253 943 | 645 | 1 447 789 | 80 | 234 899 | 2 | 3 | 2 |
| Florida | 26 057 954 | 5 448 | 17 797 393 | 689 | 2 149 338 | 4 666 | 6 111 223 | 2 | 3 | 3 |
| Georgia | 14 425 228 | 3 047 | 9 634 757 | 715 | 1 469 509 | 2 478 | 3 320 962 | 2 | 3 | 3 |
| Hawaii* | 2 346 160 | 478 | 1 535 329 | 69 | 297 322 | 335 | 513 509 | 1 | 1 | 1 |
| Idaho | 2 385 176 | 971 | 1 185 690 | 269 | 280 324 | 683 | 919 163 | 3 | 5 | 3 |
| Illinois | 16 485 105 | 4 686 | 12 279 888 | 864 | 1 266 833 | 3 515 | 2 938 385 | 2 | 3 | 5 |
| Indiana | 8 341 413 | 3 093 | 5 997 694 | 592 | 884 078 | 2 041 | 1 459 640 | 5 | 5 | 2 |
| Iowa | 2 991 793 | 1 387 | 2 093 525 | 421 | 389 333 | 918 | 508 935 | 3 | 3 | 4 |
| Kansas | 3 397 275 | 1 157 | 2 241 470 | 448 | 678 674 | 785 | 477 131 | 4 | 6 | 11 |
| Kentucky | 4 499 038 | 1 491 | 2 803 703 | 700 | 931 898 | 1 052 | 763 436 | 6 | 9 | 8 |
| Louisiana | 3 472 958 | 1 084 | 2 141 595 | 378 | 507 997 | 906 | 823 367 | 3 | 5 | 3 |
| Maine | 1 043 624 | 785 | 696 453 | 156 | 131 928 | 488 | 215 243 | 6 | 9 | 5 |
| Maryland | 8 348 881 | 2 911 | 5 492 441 | 784 | 1 340 455 | 1 930 | 1 515 985 | 2 | 2 | 6 |
| Massachusetts | 8 074 109 | 2 162 | 5 526 041 | 595 | 778 197 | 1 939 | 1 769 871 | 2 | 3 | 3 |
| Michigan | 13 454 884 | 5 018 | 10 003 486 | 428 | 953 281 | 3 087 | 2 498 116 | 2 | 3 | 1 |
| Minnesota | 7 250 394 | 2 364 | 5 653 519 | 357 | 336 040 | 1 399 | 1 260 835 | 3 | 4 | 2 |
| Mississippi | 2 649 504 | 806 | 1 945 493 | 328 | 382 818 | 520 | 321 194 | 3 | 4 | 4 |
| Missouri | 7 117 764 | 2 670 | 5 000 059 | 541 | 684 729 | 1 799 | 1 432 976 | 3 | 4 | 3 |
| Montana | 800 409 | 704 | 529 684 | 101 | 107 746 | 487 | 162 979 | 5 | 8 | 5 |
| Nebraska | 1 993 971 | 889 | 1 430 057 | 194 | 287 190 | 438 | 276 724 | 5 | 8 | 3 |
| Nevada | 7 150 084 | 666 | 4 862 541 | 141 | 1 387 014 | 739 | 900 528 | 1 | 2 | 1 |
| New Hampshire | 1 463 027 | 627 | 887 693 | 336 | 294 289 | 427 | 281 046 | 4 | 6 | 4 |

Table 9. Value of Construction Work for Establishments With Payroll by Location of Construction Work and Industry Group: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. * Indicates geographic change, but not applicable to this sector. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Item | Construction work done by establishments located in this state | | Construction work done by establishments not located in this state | | Construction work done by establishments not reporting | | Relative standard error of estimate (percent) for column— | | | |
|------------------------------------------------------------------|----------------------------------------------------------------|----------------|--------------------------------------------------------------------|---------------|--------------------------------------------------------|----------------|-----------------------------------------------------------|----------|----------|----------|
| | Value of construction work done in this state | Number | Value of construction work | Number | Value of construction work | Number | Value of construction work | A | C | E |
| | A | B | C | D | E | F | G | | | |
| 23, CONSTRUCTION—Con. | | | | | | | | | | |
| 233, Building, developing, & general contracting—Con. | | | | | | | | | | |
| New Jersey | 10 903 346 | 3 447 | 6 814 192 | 737 | 1 429 501 | 2 715 | 2 659 653 | 1 | 2 | 2 |
| New Mexico | 2 573 987 | 1 101 | 1 713 047 | 200 | 309 296 | 706 | 551 643 | 4 | 5 | 3 |
| New York | 18 276 640 | 5 998 | 12 437 946 | 684 | 1 246 144 | 5 092 | 4 592 551 | 4 | 5 | 2 |
| North Carolina | 14 044 132 | 4 097 | 9 329 603 | 676 | 2 045 990 | 3 085 | 2 668 538 | 1 | 2 | 2 |
| North Dakota | 539 991 | 322 | 347 600 | 141 | 108 815 | 197 | 83 576 | 4 | 6 | 2 |
| Ohio | 13 898 658 | 4 755 | 10 402 957 | 734 | 1 172 403 | 3 073 | 2 323 298 | 2 | 2 | 3 |
| Oklahoma | 2 352 129 | 925 | 1 607 436 | 245 | 322 240 | 691 | 422 453 | 4 | 6 | 3 |
| Oregon | 6 440 660 | 2 754 | 4 806 532 | 381 | 667 081 | 1 517 | 967 047 | 3 | 4 | 4 |
| Pennsylvania | 12 812 349 | 5 216 | 9 436 960 | 943 | 854 225 | 3 236 | 2 521 164 | 1 | 2 | 3 |
| Rhode Island | 1 864 708 | 490 | 1 580 680 | 172 | 94 287 | 388 | 189 742 | 3 | 3 | 12 |
| South Carolina | 6 175 718 | 1 768 | 3 739 507 | 643 | 1 291 617 | 1 396 | 1 144 594 | 3 | 4 | 3 |
| South Dakota | 853 608 | 424 | 634 776 | 149 | 154 269 | 259 | 64 562 | 4 | 5 | 7 |
| Tennessee | 7 922 771 | 2 267 | 5 481 397 | 547 | 1 165 617 | 1 383 | 1 275 758 | 2 | 3 | 1 |
| Texas | 26 505 110 | 4 698 | 19 743 613 | 538 | 2 208 942 | 4 640 | 4 552 555 | 2 | 2 | 2 |
| Utah | 3 814 682 | 1 346 | 2 848 109 | 153 | 238 464 | 970 | 728 108 | 4 | 6 | 1 |
| Vermont | 662 027 | 611 | 497 345 | 113 | 73 411 | 209 | 91 271 | 5 | 6 | 15 |
| Virginia | 11 693 801 | 4 128 | 7 433 745 | 985 | 2 592 930 | 2 256 | 1 667 127 | 1 | 2 | 2 |
| Washington | 9 983 557 | 4 384 | 7 165 576 | 470 | 736 239 | 3 107 | 2 081 742 | 2 | 3 | 3 |
| West Virginia | 1 147 770 | 1 167 | 589 353 | 352 | 298 520 | 729 | 259 897 | 3 | 5 | 2 |
| Wisconsin | 6 648 948 | 2 780 | 5 386 934 | 305 | 357 478 | 1 318 | 904 536 | 3 | 3 | 4 |
| Wyoming | 639 367 | 435 | 421 623 | 135 | 95 639 | 250 | 122 105 | 5 | 8 | 6 |
| 234, Heavy construction | | | | | | | | | | |
| United States | 127 841 600 | 27 050 | 88 130 426 | 10 302 | 18 259 041 | 14 837 | 20 600 550 | 1 | 1 | 1 |
| Alabama | 2 085 796 | 649 | 1 374 407 | 251 | 453 962 | 246 | 257 426 | 4 | 6 | 4 |
| Alaska | 828 886 | 181 | 536 387 | 73 | 179 136 | 91 | 113 362 | 3 | 5 | 8 |
| Arizona | 2 203 998 | 373 | 1 609 545 | 150 | 293 043 | 211 | 301 409 | 4 | 6 | 8 |
| Arkansas | 1 007 534 | 346 | 455 770 | 154 | 371 428 | 219 | 180 335 | 7 | 12 | 13 |
| California | 12 337 086 | 1 744 | 8 910 721 | 189 | 969 486 | 1 438 | 2 456 878 | 2 | 2 | 4 |
| Colorado | 2 347 445 | 515 | 1 589 143 | 164 | 271 041 | 293 | 487 262 | 4 | 6 | 3 |
| Connecticut | 1 397 124 | 389 | 954 338 | 147 | 193 843 | 132 | 248 943 | 3 | 4 | 6 |
| Delaware | 449 330 | 78 | 301 617 | 196 | 126 712 | 30 | 21 000 | 3 | 3 | 7 |
| District of Columbia | 298 223 | 15 | 93 779 | 81 | 175 545 | 5 | 28 899 | 1 | Z | 1 |
| Florida | 6 653 000 | 1 157 | 4 538 899 | 269 | 523 876 | 842 | 1 590 225 | 2 | 4 | 8 |
| Georgia | 3 570 477 | 809 | 2 212 099 | 396 | 661 142 | 437 | 697 236 | 4 | 6 | 4 |
| Hawaii* | 588 890 | 82 | 413 616 | 31 | 125 166 | 53 | 50 307 | 3 | 3 | 9 |
| Idaho | 707 530 | 302 | 406 498 | 129 | 118 641 | 120 | 182 391 | 7 | 11 | 3 |
| Illinois | 4 592 577 | 899 | 3 425 423 | 330 | 422 649 | 629 | 744 505 | 3 | 3 | 2 |
| Indiana | 2 796 644 | 723 | 2 109 913 | 267 | 429 574 | 232 | 257 157 | 3 | 4 | 11 |
| Iowa | 1 653 055 | 475 | 1 150 554 | 233 | 249 657 | 215 | 252 844 | 4 | 7 | 11 |
| Kansas | 1 903 055 | 463 | 1 239 014 | 243 | 371 535 | 119 | 292 506 | 3 | 4 | 2 |
| Kentucky | 1 702 465 | 527 | 1 099 853 | 283 | 386 207 | 204 | 216 405 | 4 | 6 | 4 |
| Louisiana | 3 661 293 | 387 | 2 431 160 | 239 | 592 368 | 365 | 637 765 | 2 | 4 | 4 |
| Maine | 583 755 | 156 | 407 933 | 72 | 94 289 | 93 | 81 533 | 4 | 3 | 20 |
| Maryland | 2 327 123 | 403 | 1 439 103 | 260 | 482 771 | 231 | 405 249 | 2 | 5 | 2 |
| Massachusetts | 3 512 938 | 633 | 2 674 072 | 263 | 312 749 | 350 | 526 117 | 3 | 5 | 2 |
| Michigan | 3 708 311 | 923 | 2 750 128 | 191 | 378 683 | 492 | 579 499 | 4 | 5 | 4 |
| Minnesota | 2 488 572 | 643 | 1 898 161 | 153 | 199 693 | 375 | 390 718 | 3 | 4 | 3 |
| Mississippi | 1 744 968 | 339 | 919 834 | 266 | 462 622 | 257 | 362 512 | 7 | 13 | 7 |
| Missouri | 2 402 233 | 782 | 1 667 029 | 222 | 365 086 | 359 | 370 118 | 5 | 7 | 4 |
| Montana | 669 311 | 216 | 439 045 | 80 | 163 902 | 155 | 66 364 | 6 | 10 | 1 |
| Nebraska | 1 167 337 | 280 | 790 243 | 135 | 216 955 | 144 | 160 138 | 4 | 6 | 9 |
| Nevada | 1 774 168 | 190 | 1 144 245 | 176 | 477 894 | 81 | 152 029 | 2 | 3 | 4 |
| New Hampshire | 482 893 | 186 | 315 805 | 178 | 130 274 | 87 | 36 814 | 9 | 13 | 15 |
| New Jersey | 2 997 944 | 749 | 1 988 849 | 234 | 499 514 | 376 | 509 581 | 4 | 5 | 2 |
| New Mexico | 945 446 | 142 | 588 930 | 120 | 254 528 | 103 | 101 988 | 7 | 7 | 19 |
| New York | 5 460 029 | 1 380 | 4 021 061 | 358 | 721 983 | 506 | 716 984 | 2 | 3 | 5 |
| North Carolina | 3 935 470 | 918 | 2 538 138 | 442 | 704 636 | 694 | 692 695 | 3 | 4 | 3 |
| North Dakota | 543 810 | 152 | 356 579 | 94 | 111 165 | 55 | 76 066 | 6 | 11 | 9 |
| Ohio | 4 840 491 | 1 073 | 3 441 901 | 332 | 763 170 | 443 | 635 419 | 3 | 4 | 1 |
| Oklahoma | 1 263 623 | 403 | 806 796 | 206 | 264 863 | 250 | 191 964 | 6 | 7 | 21 |
| Oregon | 1 948 964 | 641 | 1 331 017 | 147 | 330 832 | 219 | 287 115 | 3 | 4 | 2 |
| Pennsylvania | 4 569 578 | 1 009 | 3 163 205 | 347 | 392 511 | 500 | 1 013 862 | 2 | 3 | 6 |
| Rhode Island | 268 044 | 130 | 177 683 | 42 | 31 069 | 34 | 59 292 | 6 | 8 | 16 |
| South Carolina | 2 023 882 | 302 | 853 349 | 372 | 578 831 | 301 | 591 702 | 3 | 9 | 3 |
| South Dakota | 463 999 | 161 | 218 200 | 114 | 181 798 | 94 | 64 001 | 8 | 11 | 10 |
| Tennessee | 2 564 420 | 566 | 1 783 728 | 228 | 349 804 | 301 | 430 888 | 3 | 4 | 3 |
| Texas | 11 514 690 | 1 622 | 8 855 052 | 280 | 879 055 | 1 204 | 1 780 583 | 2 | 2 | 5 |
| Utah | 1 227 433 | 255 | 846 979 | 102 | 243 461 | 104 | 136 993 | 3 | 5 | 4 |
| Vermont | 214 783 | 114 | 120 903 | 49 | 63 285 | 43 | 30 595 | 7 | 7 | 20 |
| Virginia | 4 079 073 | 958 | 2 810 667 | 339 | 803 430 | 294 | 464 977 | 2 | 3 | 3 |
| Washington | 3 322 852 | 925 | 2 764 368 | 186 | 255 991 | 422 | 302 492 | 2 | 3 | 1 |
| West Virginia | 1 281 282 | 321 | 644 234 | 243 | 371 438 | 135 | 265 610 | 4 | 7 | 5 |
| Wisconsin | 2 170 039 | 483 | 1 928 390 | 145 | 103 148 | 244 | 138 501 | 3 | 4 | 5 |
| Wyoming | 559 734 | 123 | 315 373 | 147 | 185 533 | 78 | 58 828 | 6 | 6 | 12 |
| 235, Special trade contractors | | | | | | | | | | |
| United States | 336 060 352 | 252 545 | 235 951 066 | 62 490 | 25 810 941 | 159 126 | 73 085 530 | Z | Z | 1 |
| Alabama | 3 876 946 | 3 168 | 2 326 813 | 1 150 | 511 877 | 2 626 | 1 038 257 | 2 | 3 | 4 |
| Alaska | 1 013 141 | 727 | 656 079 | 442 | 189 808 | 367 | 167 254 | 5 | 7 | 15 |
| Arizona | 7 484 498 | 4 288 | 5 639 248 | 620 | 413 760 | 2 746 | 1 431 490 | 2 | 2 | 2 |
| Arkansas | 1 835 955 | 2 076 | 1 165 440 | 685 | 223 236 | 1 187 | 447 279 | 3 | 5 | 9 |
| California | 37 177 874 | 22 755 | 28 309 500 | 915 | 673 293 | 15 092 | 8 195 082 | 1 | 1 | 3 |
| Colorado | 7 469 650 | 6 269 | 5 584 835 | 713 | 292 777 | 3 249 | 1 592 039 | 2 | 2 | 5 |
| Connecticut | 4 531 098 | 3 719 | 2 943 038 | 1 456 | 548 045 | 2 285 | 1 040 016 | 2 | 3 | 4 |
| Delaware | 1 408 480 | 943 | 844 935 | 915 | 325 283 | 522 | 238 262 | 3 | 4 | 7 |

Table 9. Value of Construction Work for Establishments With Payroll by Location of Construction Work and Industry Group: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. * Indicates geographic change, but not applicable to this sector. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Item | Value of construction work done in this state | Construction work done by establishments located in this state | | Construction work done by establishments not located in this state | | Construction work done by establishments not reporting | | Relative standard error of estimate (percent) for column— | | |
|--------------------------------------------|-----------------------------------------------|----------------------------------------------------------------|----------------------------|--------------------------------------------------------------------|----------------------------|--------------------------------------------------------|----------------------------|-----------------------------------------------------------|---|----|
| | | Number | Value of construction work | Number | Value of construction work | Number | Value of construction work | A | C | E |
| | | A | B | C | D | E | F | G | | |
| 23, CONSTRUCTION—Con. | | | | | | | | | | |
| 235, Special trade contractors—Con. | | | | | | | | | | |
| District of Columbia | 1 083 806 | 95 | 86 670 | 1 704 | 955 116 | 57 | 42 021 | 3 | 3 | 4 |
| Florida | 18 493 348 | 14 564 | 13 408 033 | 1 455 | 766 179 | 9 840 | 4 319 137 | 1 | 2 | 4 |
| Georgia | 9 524 238 | 6 198 | 6 384 339 | 1 821 | 853 791 | 4 799 | 2 286 109 | 2 | 3 | 5 |
| Hawaii* | 1 506 214 | 988 | 1 177 659 | 176 | 139 786 | 378 | 188 770 | 2 | 4 | 10 |
| Idaho | 1 665 705 | 2 145 | 1 218 914 | 706 | 166 454 | 1 097 | 280 336 | 4 | 6 | 4 |
| Illinois | 17 999 432 | 11 653 | 13 427 785 | 2 102 | 894 232 | 6 485 | 3 677 415 | 2 | 2 | 3 |
| Indiana | 7 986 862 | 6 588 | 5 820 672 | 2 200 | 777 881 | 3 191 | 1 388 309 | 1 | 2 | 3 |
| Iowa | 3 448 447 | 3 352 | 2 516 740 | 1 291 | 445 636 | 1 533 | 486 072 | 2 | 3 | 4 |
| Kansas | 3 228 468 | 2 749 | 2 024 819 | 1 470 | 560 302 | 1 815 | 643 348 | 4 | 6 | 4 |
| Kentucky | 4 207 339 | 3 217 | 2 467 601 | 2 143 | 732 495 | 2 356 | 1 007 243 | 2 | 4 | 5 |
| Louisiana | 4 326 107 | 3 236 | 2 963 460 | 844 | 347 173 | 1 796 | 1 015 473 | 3 | 4 | 6 |
| Maine | 1 215 386 | 1 811 | 819 928 | 353 | 98 009 | 908 | 297 448 | 3 | 5 | 9 |
| Maryland | 7 664 053 | 5 562 | 4 961 333 | 1 811 | 730 588 | 3 410 | 1 972 133 | 2 | 2 | 3 |
| Massachusetts | 8 009 268 | 5 785 | 5 474 407 | 1 703 | 685 450 | 4 068 | 1 849 411 | 2 | 3 | 3 |
| Michigan | 13 621 358 | 9 714 | 10 352 943 | 1 329 | 459 624 | 6 152 | 2 808 792 | 2 | 2 | 5 |
| Minnesota | 6 616 041 | 5 385 | 5 076 900 | 1 164 | 287 426 | 2 791 | 1 251 716 | 2 | 2 | 6 |
| Mississippi | 2 102 268 | 1 597 | 1 239 310 | 1 008 | 459 676 | 1 258 | 403 282 | 3 | 5 | 5 |
| Missouri | 7 028 983 | 5 550 | 4 857 529 | 1 454 | 590 769 | 3 793 | 1 580 686 | 1 | 2 | 4 |
| Montana | 827 325 | 1 241 | 585 677 | 204 | 64 570 | 604 | 177 078 | 4 | 6 | 9 |
| Nebraska | 2 201 262 | 2 400 | 1 625 079 | 721 | 201 605 | 1 021 | 374 578 | 3 | 4 | 6 |
| Nevada | 5 345 549 | 1 710 | 3 502 664 | 1 009 | 905 314 | 1 020 | 937 572 | 1 | 2 | 3 |
| New Hampshire | 1 207 880 | 1 530 | 822 764 | 1 137 | 173 017 | 779 | 212 099 | 4 | 6 | 5 |
| New Jersey | 10 406 117 | 8 551 | 6 727 215 | 2 213 | 828 047 | 6 090 | 2 850 854 | 2 | 2 | 3 |
| New Mexico | 1 648 800 | 1 473 | 1 078 992 | 521 | 164 568 | 1 138 | 405 240 | 4 | 7 | 5 |
| New York | 20 355 756 | 13 117 | 13 630 577 | 2 139 | 939 058 | 10 565 | 5 786 120 | 1 | 1 | 4 |
| North Carolina | 9 815 853 | 8 931 | 6 885 270 | 1 921 | 893 284 | 6 180 | 2 037 299 | 1 | 2 | 5 |
| North Dakota | 770 397 | 894 | 553 787 | 380 | 101 220 | 407 | 115 390 | 3 | 5 | 6 |
| Ohio | 13 829 750 | 10 734 | 10 601 343 | 2 064 | 745 552 | 5 931 | 2 482 855 | 1 | 2 | 3 |
| Oklahoma | 2 492 312 | 2 689 | 1 798 651 | 733 | 197 080 | 1 779 | 496 581 | 3 | 4 | 4 |
| Oregon | 5 013 597 | 4 334 | 3 651 468 | 1 049 | 665 784 | 2 245 | 696 345 | 2 | 3 | 4 |
| Pennsylvania | 14 084 686 | 10 813 | 9 769 173 | 2 831 | 956 352 | 6 605 | 3 359 161 | 1 | 2 | 7 |
| Rhode Island | 1 061 634 | 1 361 | 734 259 | 692 | 120 356 | 646 | 207 020 | 3 | 4 | 6 |
| South Carolina | 4 275 685 | 3 789 | 2 608 036 | 1 968 | 736 644 | 2 844 | 931 005 | 2 | 3 | 4 |
| South Dakota | 723 204 | 840 | 462 912 | 610 | 127 117 | 631 | 133 175 | 4 | 5 | 15 |
| Tennessee | 6 094 026 | 4 089 | 4 051 498 | 1 439 | 655 842 | 2 765 | 1 386 685 | 3 | 4 | 10 |
| Texas | 21 710 134 | 13 192 | 15 298 352 | 1 421 | 1 021 523 | 9 881 | 5 390 259 | 2 | 3 | 3 |
| Utah | 3 125 308 | 3 132 | 2 345 095 | 287 | 151 305 | 1 434 | 628 908 | 4 | 6 | 3 |
| Vermont | 594 878 | 894 | 396 824 | 443 | 63 411 | 570 | 134 642 | 3 | 6 | 7 |
| Virginia | 9 353 559 | 7 398 | 5 948 375 | 3 038 | 1 568 379 | 4 429 | 1 836 804 | 1 | 2 | 3 |
| Washington | 7 707 665 | 6 940 | 5 336 219 | 1 272 | 815 621 | 4 023 | 1 555 825 | 2 | 2 | 14 |
| West Virginia | 1 306 837 | 1 378 | 709 627 | 1 255 | 362 780 | 754 | 234 430 | 4 | 6 | 5 |
| Wisconsin | 7 005 686 | 6 992 | 5 500 950 | 1 141 | 239 577 | 3 142 | 1 265 160 | 1 | 2 | 4 |
| Wyoming | 577 494 | 858 | 413 704 | 549 | 97 417 | 385 | 66 373 | 4 | 5 | 11 |

Table 10. Selected Statistics for Establishments With Payroll by Industry, Legal Form of Organization, and Type of Operation: 1997

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Item | Number establishments | All employees | Payroll, all employees | Value of construction work | Cost of construction work subcontracted to others | Net Value of construction work | Value added | Relative standard error of estimate (percent) for column— | | |
|---------------------------------------------------------------------------|-----------------------|------------------|------------------------|----------------------------|---------------------------------------------------|--------------------------------|--------------------|-----------------------------------------------------------|---|---|
| | | | | | | | | A | B | C |
| 23, CONSTRUCTION | | | | | | | | | | |
| Total | 656 448 | 5 664 853 | 174 184 608 | 845 543 552 | 233 334 544 | 612 209 024 | 383 845 728 | Z | Z | Z |
| Single-establishments companies, total | 645 716 | 4 960 922 | 145 829 360 | 687 845 248 | 175 595 440 | 512 249 856 | 317 377 664 | Z | Z | Z |
| Multiestablishment companies, total | 10 732 | 703 930 | 28 355 254 | 157 698 272 | 57 739 112 | 99 959 168 | 66 468 060 | Z | Z | Z |
| Corporate, legal form of organization | 409 786 | 4 794 003 | 154 996 448 | 733 889 600 | 206 323 904 | 527 565 664 | 330 460 512 | Z | Z | Z |
| Individual proprietorship (noncorporate) legal form of organization | 192 440 | 545 476 | 9 661 278 | 49 505 708 | 6 394 486 | 43 111 220 | 26 755 966 | 1 | 1 | 1 |
| Partnership (noncorporate) legal form of organization | 31 136 | 190 264 | 5 149 552 | 37 053 404 | 12 100 580 | 24 952 824 | 16 139 629 | 2 | 1 | 1 |
| Other noncorporate and unknown legal form of organization | 23 086 | 135 110 | 4 377 329 | 25 094 876 | 8 515 571 | 16 579 305 | 10 489 629 | 1 | 1 | 1 |
| 233, Building, developing, & general contracting | | | | | | | | | | |
| Total | 199 289 | 1 342 953 | 42 546 112 | 381 641 600 | 182 814 720 | 198 826 896 | 120 322 720 | Z | Z | Z |
| Single-establishments companies, total | 195 957 | 1 161 396 | 34 883 836 | 297 770 624 | 135 414 496 | 162 356 128 | 95 816 024 | Z | Z | Z |
| Multiestablishment companies, total | 3 332 | 181 557 | 7 662 276 | 83 870 984 | 47 400 216 | 36 470 764 | 24 506 692 | Z | Z | Z |
| Corporate, legal form of organization | 130 743 | 1 109 505 | 36 948 720 | 327 807 392 | 160 933 424 | 166 873 968 | 100 657 104 | Z | Z | Z |
| Individual proprietorship (noncorporate) legal form of organization | 50 562 | 127 307 | 2 231 857 | 17 019 642 | 4 530 547 | 12 489 095 | 7 174 613 | 1 | 1 | 1 |
| Partnership (noncorporate) legal form of organization | 11 150 | 65 243 | 1 974 923 | 23 250 716 | 10 365 585 | 12 885 131 | 8 356 353 | 3 | 2 | 2 |
| Other noncorporate and unknown legal form of organization | 6 834 | 40 897 | 1 390 609 | 13 563 858 | 6 985 168 | 6 578 690 | 4 134 645 | 1 | 1 | 1 |
| 2331, Land subdivision & land development | | | | | | | | | | |
| Total | 8 186 | 41 827 | 1 509 773 | 13 635 521 | 3 387 700 | 10 247 820 | 9 154 633 | 1 | 1 | 1 |
| Single-establishments companies, total | 7 674 | 32 252 | 1 098 260 | 10 335 114 | 2 431 954 | 7 903 160 | 7 045 479 | 1 | 1 | 1 |
| Multiestablishment companies, total | 511 | 9 575 | 411 513 | 3 300 407 | 955 746 | 2 344 661 | 2 109 154 | Z | Z | Z |
| Corporate, legal form of organization | 6 268 | 31 852 | 1 192 158 | 10 173 156 | 2 465 623 | 7 707 534 | 6 808 823 | 1 | 1 | 1 |
| Individual proprietorship (noncorporate) legal form of organization | 327 | S | S | S | 54 456 | S | S | S | S | S |
| Partnership (noncorporate) legal form of organization | 1 323 | 7 726 | 238 303 | 2 586 231 | 673 331 | 1 912 901 | 1 758 672 | 3 | 4 | 4 |
| Other noncorporate and unknown legal form of organization | 268 | 1 558 | 64 029 | 678 154 | 194 291 | 483 863 | 452 139 | 4 | 3 | 4 |
| 23311, Land subdivision & land development | | | | | | | | | | |
| Total | 8 186 | 41 827 | 1 509 773 | 13 635 521 | 3 387 700 | 10 247 820 | 9 154 633 | 1 | 1 | 1 |
| Single-establishments companies, total | 7 674 | 32 252 | 1 098 260 | 10 335 114 | 2 431 954 | 7 903 160 | 7 045 479 | 1 | 1 | 1 |
| Multiestablishment companies, total | 511 | 9 575 | 411 513 | 3 300 407 | 955 746 | 2 344 661 | 2 109 154 | Z | Z | Z |
| Corporate, legal form of organization | 6 268 | 31 852 | 1 192 158 | 10 173 156 | 2 465 623 | 7 707 534 | 6 808 823 | 1 | 1 | 1 |
| Individual proprietorship (noncorporate) legal form of organization | 327 | S | S | S | 54 456 | S | S | S | S | S |
| Partnership (noncorporate) legal form of organization | 1 323 | 7 726 | 238 303 | 2 586 231 | 673 331 | 1 912 901 | 1 758 672 | 3 | 4 | 4 |
| Other noncorporate and unknown legal form of organization | 268 | 1 558 | 64 029 | 678 154 | 194 291 | 483 863 | 452 139 | 4 | 3 | 4 |
| 2332, Residential building construction | | | | | | | | | | |
| Total | 146 394 | 629 887 | 16 731 210 | 161 286 080 | 61 161 900 | 100 124 176 | 56 374 696 | 1 | 1 | 1 |
| Single-establishments companies, total | 145 133 | 583 804 | 14 848 670 | 134 573 472 | 48 003 340 | 86 570 128 | 47 605 728 | Z | Z | Z |
| Multiestablishment companies, total | 1 261 | 46 083 | 1 882 540 | 26 712 606 | 13 158 558 | 13 554 049 | 8 768 967 | Z | Z | Z |
| Corporate, legal form of organization | 89 702 | 467 183 | 13 287 617 | 128 415 880 | 49 999 244 | 78 416 640 | 43 993 728 | Z | Z | Z |
| Individual proprietorship (noncorporate) legal form of organization | 43 165 | 100 558 | 1 714 057 | 13 222 074 | 3 331 322 | 9 890 752 | 5 512 277 | 1 | 1 | 1 |
| Partnership (noncorporate) legal form of organization | 8 061 | 40 191 | 1 133 549 | 13 181 649 | 5 069 300 | 8 112 350 | 4 759 220 | 4 | 3 | 3 |
| Other noncorporate and unknown legal form of organization | 5 465 | 21 955 | 595 987 | 6 466 477 | 2 762 036 | 3 704 441 | 2 109 470 | 2 | 1 | 1 |
| 23321, Single-family housing construction | | | | | | | | | | |
| Total | 138 850 | 570 990 | 14 964 583 | 146 798 768 | 53 996 600 | 92 802 168 | 52 585 924 | 1 | 1 | 1 |
| Single-establishments companies, total | 137 736 | 531 639 | 13 320 984 | 121 803 360 | 41 768 868 | 80 034 496 | 44 192 016 | Z | Z | Z |
| Multiestablishment companies, total | 1 113 | 39 352 | 1 643 600 | 24 995 408 | 12 227 732 | 12 767 677 | 8 393 906 | Z | Z | Z |
| Corporate, legal form of organization | 84 437 | 421 400 | 11 905 840 | 117 218 152 | 44 394 332 | 72 823 816 | 41 099 532 | Z | Z | Z |
| Individual proprietorship (noncorporate) legal form of organization | 41 735 | 96 439 | 1 621 178 | 12 712 699 | 3 174 328 | 9 538 371 | 5 284 123 | 1 | 1 | 1 |
| Partnership (noncorporate) legal form of organization | 7 567 | 34 934 | 967 371 | 11 284 487 | 4 118 449 | 7 166 039 | 4 321 922 | 4 | 3 | 3 |
| Other noncorporate and unknown legal form of organization | 5 110 | 18 218 | 470 195 | 5 583 436 | 2 309 490 | 3 273 946 | 1 880 348 | 2 | 1 | 2 |

Table 10. Selected Statistics for Establishments With Payroll by Industry, Legal Form of Organization, and Type of Operation: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Item | Number establishments | All employees | Payroll, all employees | Value of construction work | Cost of construction work subcontracted to others | Net Value of construction work | Value added | Relative standard error of estimate (percent) for column— | | |
|---------------------------------------------------------------------|-----------------------|----------------|------------------------|----------------------------|---------------------------------------------------|--------------------------------|-------------------|-----------------------------------------------------------|----------|----------|
| | | | | | | | | B | D | F |
| | A | B | C | D | E | F | G | B | D | F |
| 23, CONSTRUCTION—Con. | | | | | | | | | | |
| 233, Building, developing, & general contracting—Con. | | | | | | | | | | |
| 2332, Residential building construction—Con. | | | | | | | | | | |
| 23322, Multifamily housing construction | | | | | | | | | | |
| Total | 7 544 | 58 896 | 1 766 627 | 14 487 308 | 7 165 301 | 7 322 008 | 3 788 773 | 2 | 3 | 3 |
| Single-establishments companies, total | 7 397 | 52 166 | 1 527 686 | 12 770 111 | 6 234 475 | 6 535 636 | 3 413 711 | 2 | 3 | 3 |
| Multiestablishment companies, total | 147 | 6 731 | 238 940 | 1 717 198 | 930 826 | 786 372 | 375 062 | Z | Z | Z |
| Corporate, legal form of organization | 5 265 | 45 783 | 1 381 777 | 11 197 731 | 5 604 910 | 5 592 822 | 2 894 198 | 2 | 2 | 2 |
| Individual proprietorship (noncorporate) legal form of organization | 1 430 | 4 119 | 92 879 | 509 374 | 156 994 | 352 380 | 228 154 | 8 | 13 | 11 |
| Partnership (noncorporate) legal form of organization | 494 | 5 256 | 166 179 | 1 897 162 | 950 851 | 946 311 | 437 298 | 16 | 18 | 20 |
| Other noncorporate and unknown legal form of organization | 355 | 3 737 | 125 792 | 883 041 | 452 546 | 430 494 | 229 122 | 4 | 1 | 2 |
| 2333, Nonresidential building construction | | | | | | | | | | |
| Total | 44 710 | 671 239 | 24 305 128 | 206 720 016 | 118 265 120 | 88 454 896 | 54 793 388 | Z | 1 | 1 |
| Single-establishments companies, total | 43 150 | 545 340 | 18 936 904 | 152 862 048 | 84 979 208 | 67 882 832 | 41 164 816 | 1 | 1 | 1 |
| Multiestablishment companies, total | 1 560 | 125 899 | 5 368 223 | 53 857 972 | 33 285 914 | 20 572 056 | 13 628 572 | Z | Z | Z |
| Corporate, legal form of organization | 34 772 | 610 471 | 22 468 948 | 189 218 368 | 108 468 560 | 80 749 808 | 49 854 552 | Z | Z | Z |
| Individual proprietorship (noncorporate) legal form of organization | 7 070 | 26 057 | 502 517 | 3 599 589 | 1 144 769 | 2 454 820 | 1 527 336 | 4 | 5 | 5 |
| Partnership (noncorporate) legal form of organization | 1 766 | 17 327 | 603 071 | 7 482 835 | 4 622 954 | 2 859 881 | 1 838 461 | 4 | 2 | 4 |
| Other noncorporate and unknown legal form of organization | 1 101 | 17 384 | 730 593 | 6 419 228 | 4 028 841 | 2 390 387 | 1 573 037 | 2 | 1 | 2 |
| 23331, Mfg & industrial building construction | | | | | | | | | | |
| Total | 7 280 | 143 066 | 5 128 967 | 33 514 342 | 16 312 262 | 17 202 078 | 10 429 844 | 1 | 1 | 1 |
| Single-establishments companies, total | 7 044 | 107 437 | 3 654 660 | 24 632 170 | 11 870 364 | 12 761 805 | 7 636 604 | 1 | 2 | 2 |
| Multiestablishment companies, total | 236 | 35 629 | 1 474 307 | 8 882 172 | 4 441 898 | 4 440 274 | 2 793 240 | Z | Z | Z |
| Corporate, legal form of organization | 5 863 | 132 513 | 4 825 190 | 30 939 380 | 15 087 386 | 15 851 994 | 9 597 055 | 1 | 1 | 1 |
| Individual proprietorship (noncorporate) legal form of organization | 1 052 | 4 092 | 70 511 | 494 521 | 111 645 | 382 877 | 248 444 | 9 | 11 | 11 |
| Partnership (noncorporate) legal form of organization | 239 | 2 213 | 65 059 | 661 110 | 345 623 | 315 487 | 178 467 | 4 | 2 | 2 |
| Other noncorporate and unknown legal form of organization | 126 | 4 248 | 168 207 | 1 419 331 | 767 609 | 651 722 | 405 877 | 2 | 1 | 1 |
| 23332, Commercial & institutional building construction | | | | | | | | | | |
| Total | 37 430 | 528 173 | 19 176 160 | 173 205 680 | 101 952 864 | 71 252 816 | 44 363 544 | 1 | 1 | 1 |
| Single-establishments companies, total | 36 106 | 437 903 | 15 282 245 | 128 229 880 | 73 108 840 | 55 121 032 | 33 528 212 | 1 | 1 | 1 |
| Multiestablishment companies, total | 1 324 | 90 270 | 3 893 916 | 44 975 800 | 28 844 016 | 16 131 783 | 10 835 332 | Z | Z | Z |
| Corporate, legal form of organization | 28 910 | 477 958 | 17 643 758 | 158 278 992 | 93 381 176 | 64 897 812 | 40 257 496 | 1 | 1 | 1 |
| Individual proprietorship (noncorporate) legal form of organization | 6 018 | 21 966 | 432 005 | 3 105 068 | 1 033 125 | 2 071 943 | 1 278 892 | 4 | 5 | 6 |
| Partnership (noncorporate) legal form of organization | 1 527 | 15 114 | 538 012 | 6 821 725 | 4 277 331 | 2 544 394 | 1 659 994 | 4 | 2 | 4 |
| Other noncorporate and unknown legal form of organization | 975 | 13 136 | 562 386 | 4 999 896 | 3 261 232 | 1 738 665 | 1 167 160 | 2 | 1 | 3 |
| 234, Heavy construction | | | | | | | | | | |
| Total | 42 557 | 880 400 | 30 291 850 | 127 841 600 | 22 202 246 | 105 639 352 | 68 775 976 | 1 | 1 | 1 |
| Single-establishments companies, total | 40 616 | 657 301 | 21 536 766 | 91 813 376 | 15 732 321 | 76 081 056 | 49 023 092 | 1 | 1 | 1 |
| Multiestablishment companies, total | 1 941 | 223 099 | 8 755 084 | 36 028 220 | 6 469 926 | 29 558 296 | 19 752 886 | Z | Z | Z |
| Corporate, legal form of organization | 30 682 | 796 158 | 27 785 196 | 115 511 496 | 19 987 448 | 95 524 048 | 61 949 668 | 1 | 1 | 1 |
| Individual proprietorship (noncorporate) legal form of organization | 8 401 | 29 505 | 596 737 | 2 924 945 | 202 966 | 2 721 978 | 1 932 475 | 5 | 5 | 5 |
| Partnership (noncorporate) legal form of organization | 2 115 | 32 257 | 1 083 997 | 5 294 891 | 1 100 782 | 4 194 109 | 2 776 416 | 3 | 2 | 3 |
| Other noncorporate and unknown legal form of organization | 1 359 | 22 480 | 825 919 | 4 110 265 | 911 049 | 3 199 216 | 2 117 421 | 2 | 1 | 1 |
| 2341, Highway, street, bridge, & tunnel construction | | | | | | | | | | |
| Total | 12 448 | 325 743 | 11 374 786 | 58 011 324 | 11 737 238 | 46 274 084 | 27 477 466 | 1 | 1 | 1 |
| Single-establishments companies, total | 11 624 | 249 245 | 8 420 307 | 41 290 288 | 8 181 259 | 33 109 030 | 19 705 266 | 1 | 1 | 1 |
| Multiestablishment companies, total | 824 | 76 498 | 2 954 479 | 16 721 037 | 3 555 980 | 13 165 057 | 7 772 201 | 1 | 1 | 1 |
| Corporate, legal form of organization | 9 422 | 293 183 | 10 367 927 | 52 257 516 | 10 323 733 | 41 933 784 | 24 842 224 | 1 | 1 | 1 |
| Individual proprietorship (noncorporate) legal form of organization | 1 993 | 8 775 | 179 812 | 947 980 | S | 867 872 | 569 157 | 10 | 10 | 11 |
| Partnership (noncorporate) legal form of organization | 672 | 14 968 | 523 834 | 2 978 953 | 778 967 | 2 199 986 | 1 329 770 | 5 | 3 | 4 |
| Other noncorporate and unknown legal form of organization | 360 | 8 817 | 303 214 | 1 826 873 | 554 429 | 1 272 444 | 736 315 | 3 | 2 | 2 |

Table 10. Selected Statistics for Establishments With Payroll by Industry, Legal Form of Organization, and Type of Operation: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Item | Number establishments | All employees | Payroll, all employees | Value of construction work | Cost of construction work subcontracted to others | Net Value of construction work | Value added | Relative standard error of estimate (percent) for column— | | |
|---------------------------------------------------------------------------|-----------------------|----------------|------------------------|----------------------------|---------------------------------------------------|--------------------------------|-------------------|-----------------------------------------------------------|----------|----------|
| | | | | | | | | B | D | F |
| | A | B | C | D | E | F | G | B | D | F |
| 23, CONSTRUCTION—Con. | | | | | | | | | | |
| 234, Heavy construction—Con. | | | | | | | | | | |
| 2341, Highway, street, bridge, & tunnel construction—Con. | | | | | | | | | | |
| 23411, Highway & street construction | | | | | | | | | | |
| Total | 11 270 | 277 979 | 9 527 626 | 48 472 284 | 9 370 199 | 39 102 084 | 22 983 910 | 1 | 1 | 1 |
| Single-establishments companies, total | 10 566 | 216 317 | 7 203 823 | 35 200 168 | 6 736 053 | 28 464 114 | 16 829 420 | 1 | 1 | 1 |
| Multiestablishment companies, total | 704 | 61 662 | 2 323 804 | 13 272 116 | 2 634 147 | 10 637 969 | 6 154 490 | 1 | 1 | 1 |
| Corporate, legal form of organization | 8 390 | 251 810 | 8 763 982 | 44 129 556 | 8 468 223 | 35 661 332 | 20 866 412 | 1 | 1 | 1 |
| Individual proprietorship (noncorporate) legal form of organization | 1 933 | 8 398 | 170 149 | 899 316 | S | 823 236 | 542 092 | 10 | 11 | 11 |
| Partnership (noncorporate) legal form of organization | 606 | 10 681 | 354 787 | 2 089 908 | 513 050 | 1 576 859 | 987 653 | 8 | 5 | 5 |
| Other noncorporate and unknown legal form of organization | 341 | 7 090 | 238 709 | 1 353 502 | 312 845 | 1 040 657 | 587 754 | 3 | 2 | 3 |
| 23412, Bridge & tunnel construction | | | | | | | | | | |
| Total | 1 177 | 47 764 | 1 847 160 | 9 539 041 | 2 367 039 | 7 172 002 | 4 493 556 | 2 | 2 | 2 |
| Single-establishments companies, total | 1 057 | 32 928 | 1 216 485 | 6 090 120 | 1 445 206 | 4 644 914 | 2 875 845 | 3 | 3 | 3 |
| Multiestablishment companies, total | 120 | 14 837 | 630 675 | 3 448 921 | 921 833 | 2 527 088 | 1 617 711 | Z | Z | Z |
| Corporate, legal form of organization | 1 032 | 41 373 | 1 603 945 | 8 127 962 | 1 855 510 | 6 272 452 | 3 975 813 | 3 | 2 | 2 |
| Individual proprietorship (noncorporate) legal form of organization | 60 | 377 | 9 663 | 48 663 | *4 028 | 44 636 | 27 065 | 36 | 35 | 34 |
| Partnership (noncorporate) legal form of organization | 66 | 4 287 | 169 047 | 889 045 | 265 918 | 623 127 | 342 117 | 1 | 1 | 1 |
| Other noncorporate and unknown legal form of organization | 19 | 1 727 | 64 505 | 473 371 | 241 584 | 231 787 | 148 561 | Z | Z | Z |
| 2349, Other heavy construction | | | | | | | | | | |
| Total | 30 109 | 554 657 | 18 917 064 | 69 830 272 | 10 465 008 | 59 365 264 | 41 298 512 | 1 | 1 | 1 |
| Single-establishments companies, total | 28 993 | 408 056 | 13 116 459 | 50 523 088 | 7 551 063 | 42 972 024 | 29 317 826 | 1 | 1 | 1 |
| Multiestablishment companies, total | 1 117 | 146 601 | 5 800 605 | 19 307 184 | 2 913 946 | 16 393 239 | 11 980 686 | Z | Z | Z |
| Corporate, legal form of organization | 21 259 | 502 975 | 17 417 270 | 63 253 980 | 9 663 716 | 53 590 264 | 37 107 440 | 1 | 1 | 1 |
| Individual proprietorship (noncorporate) legal form of organization | 6 408 | 20 730 | 416 925 | 1 976 965 | 122 858 | 1 854 107 | 1 363 318 | 5 | 5 | 5 |
| Partnership (noncorporate) legal form of organization | 1 443 | 17 289 | 560 163 | 2 315 938 | 321 815 | 1 994 123 | 1 446 646 | 4 | 4 | 4 |
| Other noncorporate and unknown legal form of organization | 999 | 13 663 | 522 706 | 2 283 392 | 356 619 | 1 926 772 | 1 381 106 | 2 | 1 | 1 |
| 23491, Water, sewer, & pipeline construction | | | | | | | | | | |
| Total | 8 042 | 162 566 | 5 522 281 | 22 204 058 | 3 077 320 | 19 126 738 | 12 280 098 | 2 | 2 | 2 |
| Single-establishments companies, total | 7 841 | 145 902 | 4 865 217 | 19 620 342 | 2 715 645 | 16 904 696 | 10 813 296 | 2 | 2 | 2 |
| Multiestablishment companies, total | 201 | 16 664 | 657 064 | 2 583 717 | 361 675 | 2 222 042 | 1 466 802 | Z | Z | Z |
| Corporate, legal form of organization | 6 267 | 150 063 | 5 154 359 | 20 668 510 | 2 928 699 | 17 739 812 | 11 352 504 | 2 | 2 | 2 |
| Individual proprietorship (noncorporate) legal form of organization | 1 214 | 4 974 | 105 399 | 533 983 | 28 651 | 505 331 | 346 881 | 13 | 15 | 15 |
| Partnership (noncorporate) legal form of organization | 342 | 4 160 | 146 359 | 595 388 | 82 037 | 513 351 | 327 555 | 11 | 12 | 11 |
| Other noncorporate and unknown legal form of organization | 218 | 3 369 | 116 164 | 406 177 | 37 933 | 368 245 | 253 158 | 4 | 4 | 4 |
| 23492, Power & communication transmission line construction | | | | | | | | | | |
| Total | 3 300 | 74 050 | 2 387 432 | 7 849 436 | 1 107 492 | 6 741 945 | 5 201 423 | 2 | 2 | 2 |
| Single-establishments companies, total | 3 077 | 52 010 | 1 586 411 | 5 219 429 | 777 943 | 4 441 486 | 3 461 866 | 3 | 3 | 3 |
| Multiestablishment companies, total | 223 | 22 040 | 801 021 | 2 630 007 | 329 548 | 2 300 459 | 1 739 557 | 1 | 1 | 1 |
| Corporate, legal form of organization | 2 395 | 67 888 | 2 191 303 | 7 042 200 | 1 020 628 | 6 021 572 | 4 693 860 | 2 | 2 | 2 |
| Individual proprietorship (noncorporate) legal form of organization | 625 | 2 430 | 44 260 | 180 840 | 11 699 | 169 141 | 131 983 | 23 | 19 | 19 |
| Partnership (noncorporate) legal form of organization | 158 | 1 081 | 32 162 | 127 999 | 25 075 | 102 924 | 78 497 | 12 | 11 | 10 |
| Other noncorporate and unknown legal form of organization | 122 | 2 651 | 119 706 | 498 398 | 50 089 | 448 308 | 297 082 | 2 | 1 | 2 |
| 23493, Industrial nonbuilding structure construction | | | | | | | | | | |
| Total | 531 | 98 555 | 3 722 363 | 9 255 216 | 1 125 561 | 8 129 656 | 6 288 698 | 2 | 1 | 1 |
| Single-establishments companies, total | 390 | 33 611 | 1 110 457 | 2 662 062 | 378 774 | 2 283 288 | 1 739 632 | 5 | 4 | 4 |
| Multiestablishment companies, total | 141 | 64 944 | 2 611 906 | 6 593 155 | 746 787 | 5 846 368 | 4 549 066 | Z | Z | Z |
| Corporate, legal form of organization | 419 | 92 325 | 3 497 377 | 8 505 339 | 1 037 221 | 7 468 118 | 5 739 873 | 2 | 1 | 1 |
| Individual proprietorship (noncorporate) legal form of organization | *77 | S | S | S | *4 378 | S | S | S | S | S |
| Partnership (noncorporate) legal form of organization | 19 | 4 255 | 151 250 | 495 002 | 33 055 | 461 947 | 403 277 | 1 | Z | 1 |
| Other noncorporate and unknown legal form of organization | 16 | 1 614 | 66 102 | 228 207 | 50 906 | 177 301 | 120 059 | Z | Z | Z |

Table 10. Selected Statistics for Establishments With Payroll by Industry, Legal Form of Organization, and Type of Operation: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Item | Number establishments | All employees | Payroll, all employees | Value of construction work | Cost of construction work subcontracted to others | Net Value of construction work | Value added | Relative standard error of estimate (percent) for column— | | |
|---------------------------------------------------------------------------|-----------------------|------------------|------------------------|----------------------------|---------------------------------------------------|--------------------------------|--------------------|-----------------------------------------------------------|----------|----------|
| | | | | | | | | B | D | F |
| | A | B | C | D | E | F | G | B | D | F |
| 23, CONSTRUCTION—Con. | | | | | | | | | | |
| 234, Heavy construction—Con. | | | | | | | | | | |
| 2349, Other heavy construction—Con. | | | | | | | | | | |
| 23499, All other heavy construction | | | | | | | | | | |
| Total | 18 236 | 219 486 | 7 284 989 | 30 521 562 | 5 154 637 | 25 366 926 | 17 528 292 | 1 | 1 | 1 |
| Single-establishments companies, total | 17 685 | 176 533 | 5 554 375 | 23 021 256 | 3 678 701 | 19 342 556 | 13 303 032 | 2 | 2 | 2 |
| Multiestablishment companies, total | 552 | 42 953 | 1 730 614 | 7 500 306 | 1 475 936 | 6 024 370 | 4 225 261 | Z | Z | Z |
| Corporate, legal form of organization | 12 177 | 192 700 | 6 574 232 | 27 037 930 | 4 677 167 | 22 360 762 | 15 321 206 | 1 | 1 | 1 |
| Individual proprietorship (noncorporate) legal form of organization | 4 493 | 12 965 | 259 632 | 1 235 474 | 78 130 | 1 157 344 | 858 964 | 5 | 5 | 5 |
| Partnership (noncorporate) legal form of organization | 923 | 7 793 | 230 392 | 1 097 549 | 181 648 | 915 901 | 637 317 | 6 | 7 | 7 |
| Other noncorporate and unknown legal form of organization | 643 | 6 028 | 220 733 | 1 150 609 | 217 691 | 932 918 | 710 806 | 4 | 2 | 2 |
| 235, Special trade contractors | | | | | | | | | | |
| Total | 414 602 | 3 441 500 | 101 346 648 | 336 060 352 | 28 317 580 | 307 742 752 | 194 747 056 | Z | Z | Z |
| Single-establishments companies, total | 409 142 | 3 142 225 | 89 408 760 | 298 261 280 | 24 448 610 | 273 812 672 | 172 538 560 | Z | Z | Z |
| Multiestablishment companies, total | 5 460 | 299 274 | 11 937 894 | 37 799 076 | 3 868 969 | 33 930 104 | 22 208 482 | Z | Z | Z |
| Corporate, legal form of organization | 248 362 | 2 888 339 | 90 262 536 | 290 570 688 | 25 403 040 | 265 167 632 | 167 853 744 | Z | Z | Z |
| Individual proprietorship (noncorporate) legal form of organization | 133 477 | 388 664 | 6 832 685 | 29 561 120 | 1 660 972 | 27 900 148 | 17 648 878 | 1 | 1 | 1 |
| Partnership (noncorporate) legal form of organization | 17 871 | 92 764 | 2 090 631 | 8 507 798 | 634 213 | 7 873 586 | 5 006 861 | 2 | 2 | 2 |
| Other noncorporate and unknown legal form of organization | 14 893 | 71 732 | 2 160 801 | 7 420 753 | 619 354 | 6 801 399 | 4 237 563 | 2 | 1 | 1 |
| 2351, Plumbing, heating, & air-conditioning contractors | | | | | | | | | | |
| Total | 84 876 | 788 930 | 25 720 160 | 87 330 176 | 8 833 796 | 78 496 384 | 46 576 808 | 1 | 1 | 1 |
| Single-establishments companies, total | 83 780 | 708 126 | 22 108 292 | 75 394 520 | 6 895 155 | 68 499 360 | 40 423 228 | 1 | Z | 1 |
| Multiestablishment companies, total | 1 096 | 80 805 | 3 611 868 | 11 935 660 | 1 938 641 | 9 997 019 | 6 153 580 | Z | Z | Z |
| Corporate, legal form of organization | 56 830 | 698 931 | 23 718 324 | 78 383 576 | 8 391 226 | 69 992 344 | 41 925 080 | 1 | Z | Z |
| Individual proprietorship (noncorporate) legal form of organization | 22 378 | 61 781 | 1 166 742 | 5 794 247 | 159 802 | 5 634 444 | 3 126 219 | 2 | 3 | 3 |
| Partnership (noncorporate) legal form of organization | 2 817 | 16 417 | 418 608 | 1 792 721 | 157 162 | 1 635 559 | 930 493 | 7 | 6 | 6 |
| Other noncorporate and unknown legal form of organization | 2 851 | 11 802 | 416 485 | 1 359 638 | 125 605 | 1 234 033 | 595 016 | 5 | 3 | 4 |
| 23511, Plumbing, heating, & air-conditioning contractors | | | | | | | | | | |
| Total | 84 876 | 788 930 | 25 720 160 | 87 330 176 | 8 833 796 | 78 496 384 | 46 576 808 | 1 | 1 | 1 |
| Single-establishments companies, total | 83 780 | 708 126 | 22 108 292 | 75 394 520 | 6 895 155 | 68 499 360 | 40 423 228 | Z | Z | Z |
| Multiestablishment companies, total | 1 096 | 80 805 | 3 611 868 | 11 935 660 | 1 938 641 | 9 997 019 | 6 153 580 | Z | Z | Z |
| Corporate, legal form of organization | 56 830 | 698 931 | 23 718 324 | 78 383 576 | 8 391 226 | 69 992 344 | 41 925 080 | Z | Z | Z |
| Individual proprietorship (noncorporate) legal form of organization | 22 378 | 61 781 | 1 166 742 | 5 794 247 | 159 802 | 5 634 444 | 3 126 219 | 2 | 2 | 2 |
| Partnership (noncorporate) legal form of organization | 2 817 | 16 417 | 418 608 | 1 792 721 | 157 162 | 1 635 559 | 930 493 | 7 | 6 | 6 |
| Other noncorporate and unknown legal form of organization | 2 851 | 11 802 | 416 485 | 1 359 638 | 125 605 | 1 234 033 | 595 016 | 5 | 3 | 4 |
| 2352, Painting & wall covering contractors | | | | | | | | | | |
| Total | 37 480 | 195 331 | 4 543 495 | 13 015 683 | 966 104 | 12 049 579 | 8 787 438 | 1 | 1 | 1 |
| Single-establishments companies, total | 37 351 | 189 119 | 4 367 097 | 12 561 000 | 934 514 | 11 626 486 | 8 507 465 | 1 | 1 | 1 |
| Multiestablishment companies, total | 129 | 6 213 | 176 399 | 454 683 | 31 590 | 423 093 | 279 973 | Z | Z | Z |
| Corporate, legal form of organization | 17 411 | 137 037 | 3 602 045 | 9 795 561 | 781 145 | 9 014 416 | 6 554 762 | 1 | 1 | 1 |
| Individual proprietorship (noncorporate) legal form of organization | 16 068 | 45 132 | 714 755 | 2 450 949 | 134 429 | 2 316 520 | 1 686 124 | 2 | 2 | 2 |
| Partnership (noncorporate) legal form of organization | 1 910 | 7 939 | 136 131 | 478 574 | 19 934 | 458 640 | 357 141 | 7 | 6 | 6 |
| Other noncorporate and unknown legal form of organization | 2 091 | 5 224 | 90 564 | 290 598 | *30 596 | 260 002 | 189 412 | 7 | 6 | 6 |
| 23521, Painting & wall covering contractors | | | | | | | | | | |
| Total | 37 480 | 195 331 | 4 543 495 | 13 015 683 | 966 104 | 12 049 579 | 8 787 438 | 1 | 1 | 1 |
| Single-establishments companies, total | 37 351 | 189 119 | 4 367 097 | 12 561 000 | 934 514 | 11 626 486 | 8 507 465 | 1 | 1 | 1 |
| Multiestablishment companies, total | 129 | 6 213 | 176 399 | 454 683 | 31 590 | 423 093 | 279 973 | Z | Z | Z |
| Corporate, legal form of organization | 17 411 | 137 037 | 3 602 045 | 9 795 561 | 781 145 | 9 014 416 | 6 554 762 | 1 | 1 | 1 |
| Individual proprietorship (noncorporate) legal form of organization | 16 068 | 45 132 | 714 755 | 2 450 949 | 134 429 | 2 316 520 | 1 686 124 | 2 | 1 | 1 |
| Partnership (noncorporate) legal form of organization | 1 910 | 7 939 | 136 131 | 478 574 | 19 934 | 458 640 | 357 141 | 8 | 7 | 7 |
| Other noncorporate and unknown legal form of organization | 2 091 | 5 224 | 90 564 | 290 598 | *30 596 | 260 002 | 189 412 | 8 | 5 | 6 |

Table 10. Selected Statistics for Establishments With Payroll by Industry, Legal Form of Organization, and Type of Operation: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Item | Number establishments | All employees | Payroll, all employees | Value of construction work | Cost of construction work subcontracted to others | Net Value of construction work | Value added | Relative standard error of estimate (percent) for column— | | |
|---------------------------------------------------------------------------|-----------------------|----------------|------------------------|----------------------------|---------------------------------------------------|--------------------------------|-------------------|-----------------------------------------------------------|----------|----------|
| | | | | | | | | A | B | C |
| 23, CONSTRUCTION—Con. | | | | | | | | | | |
| 235, Special trade contractors—Con. | | | | | | | | | | |
| 2353, Electrical contractors | | | | | | | | | | |
| Total | 61 414 | 641 985 | 21 680 036 | 64 260 292 | 3 139 188 | 61 121 104 | 38 580 524 | 1 | 1 | 1 |
| Single-establishments companies, total | 60 527 | 568 983 | 18 734 454 | 55 393 304 | 2 541 286 | 52 852 020 | 33 300 934 | 1 | 1 | 1 |
| Multiestablishment companies, total | 887 | 73 002 | 2 945 582 | 8 866 987 | 597 901 | 8 269 086 | 5 279 591 | Z | Z | Z |
| Corporate, legal form of organization | 42 821 | 571 151 | 19 744 866 | 57 166 688 | 2 832 309 | 54 334 380 | 34 334 280 | 1 | 1 | 1 |
| Individual proprietorship (noncorporate) legal form of organization | 14 727 | 40 679 | 855 564 | 3 387 285 | 83 050 | 3 304 234 | 2 113 294 | 3 | 3 | 3 |
| Partnership (noncorporate) legal form of organization | 1 825 | 10 173 | 277 889 | 1 003 392 | 38 784 | 964 608 | 589 623 | 10 | 9 | 9 |
| Other noncorporate and unknown legal form of organization | 2 041 | 19 982 | 801 718 | 2 702 928 | 185 044 | 2 517 884 | 1 543 327 | 2 | 1 | 1 |
| 23531, Electrical contractors | | | | | | | | | | |
| Total | 61 414 | 641 985 | 21 680 036 | 64 260 292 | 3 139 188 | 61 121 104 | 38 580 524 | 1 | 1 | 1 |
| Single-establishments companies, total | 60 527 | 568 983 | 18 734 454 | 55 393 304 | 2 541 286 | 52 852 020 | 33 300 934 | Z | Z | Z |
| Multiestablishment companies, total | 887 | 73 002 | 2 945 582 | 8 866 987 | 597 901 | 8 269 086 | 5 279 591 | Z | Z | Z |
| Corporate, legal form of organization | 42 821 | 571 151 | 19 744 866 | 57 166 688 | 2 832 309 | 54 334 380 | 34 334 280 | Z | Z | Z |
| Individual proprietorship (noncorporate) legal form of organization | 14 727 | 40 679 | 855 564 | 3 387 285 | 83 050 | 3 304 234 | 2 113 294 | 3 | 3 | 3 |
| Partnership (noncorporate) legal form of organization | 1 825 | 10 173 | 277 889 | 1 003 392 | 38 784 | 964 608 | 589 623 | 10 | 9 | 9 |
| Other noncorporate and unknown legal form of organization | 2 041 | 19 982 | 801 718 | 2 702 928 | 185 044 | 2 517 884 | 1 543 327 | 2 | 1 | 1 |
| 2354, Masonry, drywall, insulation, & tile contractors | | | | | | | | | | |
| Total | 49 917 | 470 701 | 12 612 114 | 38 092 892 | 3 249 485 | 34 843 408 | 22 668 938 | 1 | 1 | 1 |
| Single-establishments companies, total | 49 352 | 435 811 | 11 448 006 | 34 731 248 | 3 002 037 | 31 729 212 | 20 633 522 | Z | 1 | 1 |
| Multiestablishment companies, total | 565 | 34 891 | 1 164 108 | 3 361 644 | 247 448 | 3 114 196 | 2 035 415 | Z | Z | Z |
| Corporate, legal form of organization | 26 635 | 382 671 | 10 999 488 | 32 258 688 | 2 831 395 | 29 427 294 | 19 094 754 | 1 | 1 | 1 |
| Individual proprietorship (noncorporate) legal form of organization | 18 753 | 63 968 | 1 095 490 | 4 011 309 | 273 533 | 3 737 776 | 2 459 553 | 2 | 2 | 2 |
| Partnership (noncorporate) legal form of organization | 2 733 | 15 642 | 321 244 | 1 215 421 | 96 210 | 1 119 211 | 733 157 | 5 | 6 | 5 |
| Other noncorporate and unknown legal form of organization | 1 796 | 8 420 | 195 891 | 607 476 | 48 347 | 559 128 | 381 473 | 5 | 5 | 5 |
| 23541, Masonry & stone contractors | | | | | | | | | | |
| Total | 22 614 | 164 236 | 4 068 498 | 12 231 875 | 793 398 | 11 438 477 | 7 593 673 | 1 | 1 | 1 |
| Single-establishments companies, total | 22 493 | 156 656 | 3 825 491 | 11 513 116 | 749 080 | 10 764 036 | 7 157 262 | 1 | 1 | 1 |
| Multiestablishment companies, total | 121 | 7 580 | 243 007 | 718 759 | 44 318 | 674 441 | 436 411 | Z | Z | Z |
| Corporate, legal form of organization | 10 320 | 120 956 | 3 340 619 | 9 654 050 | 652 337 | 9 001 713 | 5 906 912 | 1 | 1 | 1 |
| Individual proprietorship (noncorporate) legal form of organization | 9 900 | 32 442 | 520 867 | 1 849 243 | 99 219 | 1 750 024 | 1 217 517 | 2 | 2 | 2 |
| Partnership (noncorporate) legal form of organization | 1 483 | 7 642 | 146 209 | 535 377 | 31 379 | 503 999 | 347 795 | 7 | 7 | 7 |
| Other noncorporate and unknown legal form of organization | 912 | 3 195 | 60 803 | 193 204 | 10 463 | 182 742 | 121 449 | 10 | 10 | 10 |
| 23542, Drywall, plastering, acoustical, & insulation contractors | | | | | | | | | | |
| Total | 20 457 | 266 710 | 7 479 440 | 22 369 364 | 2 255 424 | 20 113 940 | 13 082 540 | 1 | 1 | 1 |
| Single-establishments companies, total | 20 051 | 241 009 | 6 620 524 | 19 887 588 | 2 058 186 | 17 829 402 | 11 582 655 | 1 | 1 | 1 |
| Multiestablishment companies, total | 406 | 25 701 | 858 916 | 2 481 777 | 197 238 | 2 284 539 | 1 499 884 | Z | Z | Z |
| Corporate, legal form of organization | 12 401 | 229 680 | 6 741 543 | 19 723 626 | 2 006 313 | 17 717 314 | 11 548 349 | 1 | 1 | 1 |
| Individual proprietorship (noncorporate) legal form of organization | 6 326 | 25 323 | 459 979 | 1 679 873 | 153 367 | 1 526 506 | 962 016 | 4 | 4 | 4 |
| Partnership (noncorporate) legal form of organization | 1 000 | 6 957 | 153 334 | 587 755 | 59 218 | 528 538 | 333 919 | 7 | 10 | 9 |
| Other noncorporate and unknown legal form of organization | 730 | 4 750 | 124 583 | 378 110 | 36 528 | 341 582 | 238 256 | 7 | 7 | 6 |
| 23543, Tile, marble, terrazzo, & mosaic contractors | | | | | | | | | | |
| Total | 6 847 | 39 755 | 1 064 176 | 3 491 653 | 200 663 | 3 290 990 | 1 992 726 | 2 | 2 | 2 |
| Single-establishments companies, total | 6 808 | 38 145 | 1 001 991 | 3 330 545 | 194 771 | 3 135 774 | 1 893 606 | 2 | 2 | 2 |
| Multiestablishment companies, total | 38 | 1 610 | 62 185 | 161 108 | 5 892 | 155 216 | 99 120 | 3 | 3 | 3 |
| Corporate, legal form of organization | 3 915 | 32 035 | 917 326 | 2 881 011 | 172 746 | 2 708 266 | 1 639 493 | 2 | 2 | 2 |
| Individual proprietorship (noncorporate) legal form of organization | 2 527 | 6 203 | 114 643 | 482 193 | 20 947 | 461 246 | 280 020 | 5 | 4 | 4 |
| Partnership (noncorporate) legal form of organization | 250 | 1 043 | 21 702 | 92 288 | 5 614 | 86 674 | 51 444 | 16 | 19 | 19 |
| Other noncorporate and unknown legal form of organization | 155 | 474 | 10 506 | 36 162 | *1 357 | 34 805 | 21 769 | 14 | 15 | 14 |

Table 10. Selected Statistics for Establishments With Payroll by Industry, Legal Form of Organization, and Type of Operation: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Item | Number establishments | All employees | Payroll, all employees | Value of construction work | Cost of construction work subcontracted to others | Net Value of construction work | Value added | Relative standard error of estimate (percent) for column— | | |
|---------------------------------------------------------------------------|-----------------------|----------------|------------------------|----------------------------|---------------------------------------------------|--------------------------------|-------------------|-----------------------------------------------------------|----------|----------|
| | | | | | | | | A | B | C |
| 23, CONSTRUCTION—Con. | | | | | | | | | | |
| 235, Special trade contractors—Con. | | | | | | | | | | |
| 2355, Carpentry & floor contractors | | | | | | | | | | |
| Total | 56 936 | 290 942 | 7 162 774 | 26 986 756 | 2 938 002 | 24 048 754 | 14 486 520 | 1 | 1 | 1 |
| Single-establishments companies, total | 56 546 | 279 604 | 6 807 829 | 25 617 196 | 2 806 997 | 22 810 198 | 13 811 248 | 1 | 1 | 1 |
| Multiestablishment companies, total | 390 | 11 339 | 354 945 | 1 369 560 | 131 005 | 1 238 555 | 675 272 | Z | Z | Z |
| Corporate, legal form of organization | 27 345 | 210 919 | 5 757 186 | 20 859 116 | 2 272 438 | 18 586 678 | 11 010 274 | 1 | 1 | 1 |
| Individual proprietorship (noncorporate) legal form of organization | 25 097 | 63 855 | 1 080 400 | 4 822 286 | 541 857 | 4 280 429 | 2 735 503 | 2 | 2 | 2 |
| Partnership (noncorporate) legal form of organization | 2 727 | 11 494 | 237 338 | 970 681 | 77 190 | 893 490 | 558 316 | 7 | 6 | 6 |
| Other noncorporate and unknown legal form of organization | 1 767 | S | 87 850 | 334 673 | 46 517 | 288 156 | 182 428 | S | 6 | 7 |
| 23551, Carpentry contractors | | | | | | | | | | |
| Total | 44 858 | 230 409 | 5 490 471 | 20 311 034 | 2 304 892 | 18 006 142 | 11 031 365 | 1 | 2 | 2 |
| Single-establishments companies, total | 44 559 | 221 685 | 5 226 551 | 19 341 304 | 2 214 220 | 17 127 084 | 10 532 792 | 1 | 1 | 2 |
| Multiestablishment companies, total | 299 | 8 724 | 263 920 | 969 731 | 90 672 | 879 059 | 498 573 | Z | Z | Z |
| Corporate, legal form of organization | 21 377 | 164 567 | 4 353 422 | 15 359 276 | 1 737 986 | 13 621 290 | 8 250 527 | 1 | 2 | 2 |
| Individual proprietorship (noncorporate) legal form of organization | 19 819 | 52 158 | 871 203 | 3 926 267 | 482 477 | 3 443 790 | 2 192 450 | 2 | 2 | 2 |
| Partnership (noncorporate) legal form of organization | 2 217 | 9 918 | 197 477 | 775 118 | 49 690 | 725 427 | 449 528 | 6 | 6 | 6 |
| Other noncorporate and unknown legal form of organization | 1 444 | S | 68 369 | 250 374 | 34 739 | 215 635 | 138 861 | S | 7 | 7 |
| 23552, Floor laying & other floor contractors | | | | | | | | | | |
| Total | 12 078 | 60 533 | 1 672 303 | 6 675 721 | 633 111 | 6 042 611 | 3 455 155 | 1 | 1 | 1 |
| Single-establishments companies, total | 11 987 | 57 918 | 1 581 278 | 6 275 892 | 592 777 | 5 683 115 | 3 278 456 | 1 | 1 | 1 |
| Multiestablishment companies, total | 91 | 2 615 | 91 025 | 399 829 | 40 333 | 359 496 | 176 699 | Z | Z | Z |
| Corporate, legal form of organization | 5 968 | 46 352 | 1 403 764 | 5 499 840 | 534 451 | 4 965 388 | 2 759 747 | 1 | 1 | 1 |
| Individual proprietorship (noncorporate) legal form of organization | 5 278 | 11 697 | 209 196 | 896 019 | 59 380 | 836 639 | 543 052 | 4 | 4 | 4 |
| Partnership (noncorporate) legal form of organization | 510 | 1 576 | 39 861 | 195 563 | 27 500 | 168 063 | 108 788 | 10 | 11 | 10 |
| Other noncorporate and unknown legal form of organization | 323 | 908 | 19 481 | 84 299 | 11 779 | 72 521 | 43 568 | 20 | 13 | 14 |
| 2356, Roofing, siding, & sheet metal contractors | | | | | | | | | | |
| Total | 30 557 | 253 315 | 6 494 890 | 23 967 096 | 1 991 057 | 21 976 038 | 13 220 789 | 1 | 1 | 1 |
| Single-establishments companies, total | 30 270 | 241 956 | 6 109 459 | 22 666 916 | 1 842 295 | 20 824 620 | 12 469 374 | 1 | 1 | 1 |
| Multiestablishment companies, total | 287 | 11 359 | 385 431 | 1 300 180 | 148 762 | 1 151 418 | 751 415 | Z | Z | Z |
| Corporate, legal form of organization | 18 442 | 214 767 | 5 874 106 | 20 955 578 | 1 787 651 | 19 167 926 | 11 479 016 | 1 | 1 | 1 |
| Individual proprietorship (noncorporate) legal form of organization | 9 730 | 28 906 | 436 020 | 2 144 678 | 108 042 | 2 036 635 | 1 246 049 | 3 | 3 | 3 |
| Partnership (noncorporate) legal form of organization | 1 120 | 4 875 | 91 335 | 459 530 | 30 576 | 428 954 | 252 055 | 10 | 9 | 8 |
| Other noncorporate and unknown legal form of organization | 1 265 | 4 767 | 93 429 | 407 310 | 64 788 | 342 523 | 243 670 | 9 | 7 | 7 |
| 23561, Roofing, siding, & sheet metal contractors | | | | | | | | | | |
| Total | 30 557 | 253 315 | 6 494 890 | 23 967 096 | 1 991 057 | 21 976 038 | 13 220 789 | 1 | 1 | 1 |
| Single-establishments companies, total | 30 270 | 241 956 | 6 109 459 | 22 666 916 | 1 842 295 | 20 824 620 | 12 469 374 | 1 | 1 | 1 |
| Multiestablishment companies, total | 287 | 11 359 | 385 431 | 1 300 180 | 148 762 | 1 151 418 | 751 415 | Z | Z | Z |
| Corporate, legal form of organization | 18 442 | 214 767 | 5 874 106 | 20 955 578 | 1 787 651 | 19 167 926 | 11 479 016 | 1 | 1 | 1 |
| Individual proprietorship (noncorporate) legal form of organization | 9 730 | 28 906 | 436 020 | 2 144 678 | 108 042 | 2 036 635 | 1 246 049 | 3 | 3 | 3 |
| Partnership (noncorporate) legal form of organization | 1 120 | 4 875 | 91 335 | 459 530 | 30 576 | 428 954 | 252 055 | 11 | 9 | 9 |
| Other noncorporate and unknown legal form of organization | 1 265 | 4 767 | 93 429 | 407 310 | 64 788 | 342 523 | 243 670 | 9 | 6 | 7 |
| 2357, Concrete contractors | | | | | | | | | | |
| Total | 30 417 | 262 256 | 6 858 140 | 25 848 848 | 2 245 119 | 23 603 728 | 14 159 429 | 1 | 1 | 1 |
| Single-establishments companies, total | 30 170 | 251 073 | 6 500 492 | 24 597 972 | 2 106 274 | 22 491 698 | 13 431 143 | 1 | 1 | 1 |
| Multiestablishment companies, total | 246 | 11 184 | 357 648 | 1 250 875 | 138 845 | 1 112 031 | 728 287 | 1 | 1 | 1 |
| Corporate, legal form of organization | 17 198 | 210 898 | 5 938 870 | 21 709 610 | 2 034 534 | 19 675 076 | 11 781 944 | 1 | 1 | 1 |
| Individual proprietorship (noncorporate) legal form of organization | 10 367 | 36 534 | 609 875 | 2 780 496 | 129 009 | 2 651 487 | 1 606 312 | 3 | 3 | 3 |
| Partnership (noncorporate) legal form of organization | 1 787 | 10 990 | 242 382 | 1 062 937 | 69 955 | 992 982 | 597 038 | 7 | 6 | 7 |
| Other noncorporate and unknown legal form of organization | 1 065 | 3 833 | 67 013 | 295 805 | 11 621 | 284 184 | 174 136 | 9 | 10 | 11 |

Table 10. Selected Statistics for Establishments With Payroll by Industry, Legal Form of Organization, and Type of Operation: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Item | Number establishments | All employees | Payroll, all employees | Value of construction work | Cost of construction work subcontracted to others | Net Value of construction work | Value added | Relative standard error of estimate (percent) for column— | | |
|---------------------------------------------------------------------|-----------------------|----------------|------------------------|----------------------------|---------------------------------------------------|--------------------------------|-------------------|-----------------------------------------------------------|----------|----------|
| | | | | | | | | B | D | F |
| | A | B | C | D | E | F | G | B | D | F |
| 23, CONSTRUCTION—Con. | | | | | | | | | | |
| 235, Special trade contractors—Con. | | | | | | | | | | |
| 2357, Concrete contractors—Con. | | | | | | | | | | |
| 23571, Concrete contractors | | | | | | | | | | |
| Total | 30 417 | 262 256 | 6 858 140 | 25 848 848 | 2 245 119 | 23 603 728 | 14 159 429 | 1 | 1 | 1 |
| Single-establishments companies, total | 30 170 | 251 073 | 6 500 492 | 24 597 972 | 2 106 274 | 22 491 698 | 13 431 143 | 1 | 1 | 1 |
| Multiestablishment companies, total | 246 | 11 184 | 357 648 | 1 250 875 | 138 845 | 1 112 031 | 728 287 | 1 | 1 | 1 |
| Corporate, legal form of organization | 17 198 | 210 898 | 5 938 870 | 21 709 610 | 2 034 534 | 19 675 076 | 11 781 944 | 1 | 1 | 1 |
| Individual proprietorship (noncorporate) legal form of organization | 10 367 | 36 534 | 609 875 | 2 780 496 | 129 009 | 2 651 487 | 1 606 312 | 3 | 3 | 3 |
| Partnership (noncorporate) legal form of organization | 1 787 | 10 990 | 242 382 | 1 062 937 | 69 955 | 992 982 | 597 038 | 6 | 6 | 6 |
| Other noncorporate and unknown legal form of organization | 1 065 | 3 833 | 67 013 | 295 805 | 11 621 | 284 184 | 174 136 | 9 | 10 | 10 |
| 2358, Water well drilling contractors | | | | | | | | | | |
| Total | 3 862 | 21 214 | 576 191 | 2 191 264 | 59 380 | 2 131 884 | 1 331 018 | 3 | 2 | 2 |
| Single-establishments companies, total | 3 769 | 19 011 | 495 008 | 1 912 809 | 50 010 | 1 862 799 | 1 166 744 | 3 | 3 | 2 |
| Multiestablishment companies, total | 93 | 2 204 | 81 183 | 278 455 | 9 370 | 269 085 | 164 274 | Z | Z | Z |
| Corporate, legal form of organization | 2 344 | 16 747 | 486 723 | 1 746 611 | 51 000 | 1 695 611 | 1 068 599 | 2 | 2 | 2 |
| Individual proprietorship (noncorporate) legal form of organization | 1 174 | 2 818 | 49 317 | 294 563 | 3 001 | 291 562 | 179 759 | 6 | 6 | 6 |
| Partnership (noncorporate) legal form of organization | 226 | 1 289 | *34 286 | 122 740 | *4 985 | 117 755 | 66 887 | 28 | 23 | 22 |
| Other noncorporate and unknown legal form of organization | 118 | 360 | 5 865 | 27 349 | 393 | 26 956 | 15 772 | 18 | 14 | 14 |
| 23581, Water well drilling contractors | | | | | | | | | | |
| Total | 3 862 | 21 214 | 576 191 | 2 191 264 | 59 380 | 2 131 884 | 1 331 018 | 3 | 2 | 2 |
| Single-establishments companies, total | 3 769 | 19 011 | 495 008 | 1 912 809 | 50 010 | 1 862 799 | 1 166 744 | 3 | 3 | 2 |
| Multiestablishment companies, total | 93 | 2 204 | 81 183 | 278 455 | 9 370 | 269 085 | 164 274 | Z | Z | Z |
| Corporate, legal form of organization | 2 344 | 16 747 | 486 723 | 1 746 611 | 51 000 | 1 695 611 | 1 068 599 | 2 | 2 | 2 |
| Individual proprietorship (noncorporate) legal form of organization | 1 174 | 2 818 | 49 317 | 294 563 | 3 001 | 291 562 | 179 759 | 6 | 6 | 6 |
| Partnership (noncorporate) legal form of organization | 226 | 1 289 | *34 286 | 122 740 | *4 985 | 117 755 | 66 887 | 28 | 23 | 22 |
| Other noncorporate and unknown legal form of organization | 118 | 360 | 5 865 | 27 349 | 393 | 26 956 | 15 772 | 18 | 13 | 14 |
| 2359, Other special trade contractors | | | | | | | | | | |
| Total | 59 143 | 516 824 | 15 698 852 | 54 367 340 | 4 895 449 | 49 471 892 | 34 935 584 | 1 | 1 | 1 |
| Single-establishments companies, total | 57 376 | 448 545 | 12 838 122 | 45 386 308 | 4 270 043 | 41 116 264 | 28 794 910 | 1 | 1 | 1 |
| Multiestablishment companies, total | 1 767 | 68 280 | 2 860 731 | 8 981 031 | 625 406 | 8 355 625 | 6 140 676 | Z | Z | Z |
| Corporate, legal form of organization | 39 335 | 445 218 | 14 140 928 | 47 695 252 | 4 421 342 | 43 273 912 | 30 605 038 | 1 | 1 | 1 |
| Individual proprietorship (noncorporate) legal form of organization | 15 183 | 44 990 | 824 522 | 3 875 309 | 228 249 | 3 647 061 | 2 496 066 | 2 | 2 | 2 |
| Partnership (noncorporate) legal form of organization | 2 727 | 13 945 | 331 417 | 1 401 804 | 139 417 | 1 262 387 | 922 152 | 4 | 4 | 4 |
| Other noncorporate and unknown legal form of organization | 1 899 | 12 671 | 401 985 | 1 394 975 | 106 442 | 1 288 533 | 912 328 | 3 | 2 | 2 |
| 23591, Structural steel erection contractors | | | | | | | | | | |
| Total | 4 238 | 72 301 | 2 387 071 | 8 009 223 | 792 249 | 7 216 973 | 4 863 623 | 1 | 2 | 1 |
| Single-establishments companies, total | 4 079 | 61 100 | 1 945 441 | 6 478 723 | 631 660 | 5 847 063 | 3 998 868 | 2 | 2 | 2 |
| Multiestablishment companies, total | 159 | 11 201 | 441 630 | 1 530 500 | 160 589 | 1 369 911 | 864 755 | 1 | 1 | 1 |
| Corporate, legal form of organization | 3 234 | 64 556 | 2 165 382 | 7 222 493 | 723 948 | 6 498 545 | 4 402 324 | 1 | 2 | 1 |
| Individual proprietorship (noncorporate) legal form of organization | 717 | 2 949 | 54 098 | 195 516 | 12 952 | 182 565 | 133 539 | 11 | 13 | 12 |
| Partnership (noncorporate) legal form of organization | 173 | 1 548 | 38 177 | 130 872 | 11 333 | 119 538 | 93 024 | 14 | 15 | 16 |
| Other noncorporate and unknown legal form of organization | 114 | 3 248 | 129 413 | 460 342 | 44 016 | 416 325 | 234 736 | 3 | 2 | 2 |
| 23592, Glass & glazing contractors | | | | | | | | | | |
| Total | 4 714 | 35 823 | 1 051 551 | 3 830 894 | 95 862 | 3 735 033 | 2 123 533 | 1 | 1 | 1 |
| Single-establishments companies, total | 4 612 | 33 894 | 984 374 | 3 610 784 | 90 835 | 3 519 950 | 2 000 880 | 1 | 1 | 1 |
| Multiestablishment companies, total | 102 | 1 929 | 67 177 | 220 110 | 5 027 | 215 083 | 122 653 | Z | Z | Z |
| Corporate, legal form of organization | 3 394 | 31 596 | 962 620 | 3 430 751 | 89 868 | 3 340 883 | 1 893 202 | 1 | 1 | 1 |
| Individual proprietorship (noncorporate) legal form of organization | 979 | 2 921 | 57 665 | 259 327 | D | D | 156 228 | 8 | 8 | D |
| Partnership (noncorporate) legal form of organization | 272 | 1 122 | 26 431 | 123 706 | *3 096 | 120 610 | 63 837 | 14 | 13 | 13 |
| Other noncorporate and unknown legal form of organization | 69 | S | S | S | D | D | S | S | S | D |

Table 10. Selected Statistics for Establishments With Payroll by Industry, Legal Form of Organization, and Type of Operation: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Item | Number establishments | All employees | Payroll, all employees | Value of construction work | Cost of construction work subcontracted to others | Net Value of construction work | Value added | Relative standard error of estimate (percent) for column— | | |
|---------------------------------------------------------------------|-----------------------|----------------|------------------------|----------------------------|---------------------------------------------------|--------------------------------|-------------------|-----------------------------------------------------------|----------|----------|
| | | | | | | | | B | D | F |
| | A | B | C | D | E | F | G | B | D | F |
| 23, CONSTRUCTION—Con. | | | | | | | | | | |
| 235, Special trade contractors—Con. | | | | | | | | | | |
| 2359, Other special trade contractors—Con. | | | | | | | | | | |
| 23593, Excavation contractors | | | | | | | | | | |
| Total | 18 229 | 116 237 | 3 353 874 | 13 746 608 | 1 530 462 | 12 216 146 | 9 086 184 | 2 | 2 | 2 |
| Single-establishments companies, total | 18 128 | 112 215 | 3 180 465 | 12 984 839 | 1 431 128 | 11 553 711 | 8 552 077 | 1 | 2 | 2 |
| Multiestablishment companies, total | 101 | 4 023 | 173 409 | 761 769 | 99 334 | 662 435 | 534 107 | Z | Z | Z |
| Corporate, legal form of organization | 11 001 | 95 551 | 2 928 008 | 11 528 858 | 1 369 393 | 10 159 465 | 7 501 488 | 2 | 2 | 2 |
| Individual proprietorship (noncorporate) legal form of organization | 5 529 | 14 907 | 287 309 | 1 488 697 | 96 912 | 1 391 785 | 1 047 738 | 4 | 4 | 4 |
| Partnership (noncorporate) legal form of organization | 951 | 3 246 | 78 183 | 393 492 | 34 848 | 358 644 | 276 032 | 8 | 9 | 9 |
| Other noncorporate and unknown legal form of organization | 747 | 2 533 | 60 374 | 335 561 | 29 309 | 306 252 | 260 927 | 9 | 7 | 7 |
| 23594, Wrecking & demolition contractors | | | | | | | | | | |
| Total | 1 542 | 18 820 | 592 176 | 2 164 162 | 250 269 | 1 913 892 | 1 732 366 | 2 | 2 | 2 |
| Single-establishments companies, total | 1 482 | 16 471 | 505 462 | 1 817 416 | 197 564 | 1 619 851 | 1 442 367 | 2 | 2 | 2 |
| Multiestablishment companies, total | 60 | 2 349 | 86 714 | 346 746 | 52 705 | 294 041 | 289 999 | Z | Z | Z |
| Corporate, legal form of organization | 1 176 | 16 630 | 540 978 | 1 951 162 | 210 303 | 1 740 860 | 1 581 377 | 2 | 2 | 2 |
| Individual proprietorship (noncorporate) legal form of organization | 241 | 850 | 16 352 | 70 422 | D | D | 51 091 | 13 | 13 | D |
| Partnership (noncorporate) legal form of organization | 97 | 1 058 | 25 790 | 104 659 | 28 349 | 76 310 | 71 486 | 6 | 9 | 13 |
| Other noncorporate and unknown legal form of organization | 29 | S | S | S | D | D | S | S | S | D |
| 23595, Building equip & other machinery installation contractors | | | | | | | | | | |
| Total | 4 489 | 75 501 | 3 148 030 | 9 215 174 | 609 181 | 8 605 993 | 6 616 349 | 1 | 1 | 1 |
| Single-establishments companies, total | 3 594 | 43 487 | 1 619 723 | 4 751 724 | 455 877 | 4 295 847 | 3 325 905 | 2 | 2 | 2 |
| Multiestablishment companies, total | 895 | 32 014 | 1 528 307 | 4 463 450 | 153 304 | 4 310 146 | 3 290 444 | Z | Z | Z |
| Corporate, legal form of organization | 3 667 | 70 574 | 2 992 295 | 8 672 927 | 570 265 | 8 102 662 | 6 256 591 | 1 | 1 | 1 |
| Individual proprietorship (noncorporate) legal form of organization | 620 | 2 216 | 45 849 | 221 531 | 7 235 | 214 296 | 128 585 | 12 | 17 | 16 |
| Partnership (noncorporate) legal form of organization | 103 | 927 | 33 236 | 127 707 | 25 300 | 102 408 | 82 903 | 3 | 2 | 2 |
| Other noncorporate and unknown legal form of organization | 99 | 1 784 | 76 651 | 193 009 | 6 382 | 186 628 | 148 270 | 1 | 1 | 1 |
| 23599, All other special trade contractors | | | | | | | | | | |
| Total | 25 932 | 198 141 | 5 166 152 | 17 401 280 | 1 617 426 | 15 783 854 | 10 513 530 | 1 | 1 | 1 |
| Single-establishments companies, total | 25 482 | 181 378 | 4 602 658 | 15 742 823 | 1 462 979 | 14 279 845 | 9 474 813 | 1 | 1 | 1 |
| Multiestablishment companies, total | 450 | 16 764 | 563 494 | 1 658 457 | 154 447 | 1 504 010 | 1 038 718 | Z | Z | Z |
| Corporate, legal form of organization | 16 862 | 166 310 | 4 551 647 | 14 889 061 | 1 457 566 | 13 431 495 | 8 970 056 | 1 | 1 | 1 |
| Individual proprietorship (noncorporate) legal form of organization | 7 097 | 21 148 | 363 248 | 1 639 816 | 102 803 | 1 537 013 | 978 887 | 3 | 3 | 3 |
| Partnership (noncorporate) legal form of organization | 1 131 | 6 044 | 129 600 | 521 368 | 36 491 | 484 877 | 334 870 | 7 | 7 | 7 |
| Other noncorporate and unknown legal form of organization | 841 | 4 639 | 121 657 | 351 035 | 20 566 | 330 469 | 229 717 | 4 | 3 | 3 |

Appendix A.

Explanation of Terms

ALL EMPLOYEES

Comprise all full-time and part-time employees on the payroll of construction establishments, who worked or received pay for any part of the pay period including the 12th of March, May, August, and November. Included are all persons on paid sick leave, paid holidays, and paid vacations during these pay periods. Officers of corporations are included, but proprietors and partners of unincorporated firms are not. Number of employees is the sum of all employees during the pay periods including the 12th of March, May, August, and November, divided by 4.

BEGINNING-OF-YEAR GROSS BOOK VALUE OF DEPRECIABLE ASSETS (\$1,000)

Gross value of depreciable assets, usually original costs of the assets, at the beginning of the year. Depreciable assets are the fixed tangible property of the establishment for which depreciation accounts are ordinarily maintained.

BEGINNING-OF-YEAR INVENTORIES OF MATERIALS AND SUPPLIES (\$1,000)

The inventories of materials and supplies owned at the beginning of the reporting year by establishments with payroll. Includes all of the materials and supplies that are owned regardless of where they are held. Excludes materials that are owned by others but held by the reporting establishment. Builders who built on their own account for sale were requested to exclude work in progress and finished units not sold from inventories. Inventories of multi-establishment companies were instructed to be reported by the establishment that is responsible for the inventories, even if these inventories were held at a separate location.

CAPITAL EXPENDITURES, OTHER THAN LAND (\$1,000)

Capital expenditures are those that were or will be charged to the fixed assets accounts and for which depreciation accounts are ordinarily maintained. Includes the cost of capital improvements that were made during the year that increased the value of property or adapted it for another use. Capital expenditures for leasehold improvements made to property leased from others are also included. Land expenditures are not included as capital expenditures. If any building or equipment had been acquired under a capital leasing arrangement that meet

the criteria set down by the Financial Accounting Standards Board (FASB), respondents were instructed to report the original cost or market value as a fixed asset and as a capital expenditure, if acquired in the reporting year. If the lease qualified as an operating lease, respondents were instructed not to include the value of the building and equipment as a fixed asset or capital expenditure. If capital expenditures were not recorded directly at the establishment level but handled centrally at a company or division level, respondents were requested to report appropriate estimates for the individual establishments.

CONSTRUCTION WORK DONE BY ESTABLISHMENTS LOCATED IN THIS STATE: NUMBER

Includes the number of establishments physically located and doing construction work in the same state.

CONSTRUCTION WORK DONE BY ESTABLISHMENTS LOCATED IN THIS STATE: VALUE OF CONSTRUCTION WORK (\$1,000)

Includes the value of construction work done by establishments physically located and doing construction work in the same state.

CONSTRUCTION WORK DONE BY ESTABLISHMENTS NOT LOCATED IN THIS STATE: NUMBER

Includes the number of establishments not located in the state where the construction work is done. Establishment location is defined as a relatively permanent office or other place of business where the usual business activities related to construction are conducted with some exceptions. A relatively permanent office is one that has been established for the management of more than one project or job and is expected to be maintained on a continuing basis.

CONSTRUCTION WORK DONE BY ESTABLISHMENT NOT LOCATED IN THIS STATE: VALUE OF CONSTRUCTION WORK (\$1,000)

Includes the value of construction work done by establishments not located in the state where the construction work is done. Establishment location is defined as a relatively permanent office or other place of business where the usual business activities related to construction are conducted with some exceptions. A relatively permanent

office is one that has been established for the management of more than one project or job and is expected to be maintained on a continuing basis.

CONSTRUCTION WORK DONE BY ESTABLISHMENTS NOT REPORTING: NUMBER (\$1,000)

Includes the number of establishments that did not report the state location of construction work on their census forms and establishments that did not complete a construction census form. Data were estimated for establishments that did not complete a census form.

CONSTRUCTION WORK DONE BY ESTABLISHMENTS NOT REPORTING: VALUE OF CONSTRUCTION WORK (\$1,000)

Includes the value of construction work done by establishments that did not report the state location of construction work on their census forms and establishments that did not complete a construction census form. Data were estimated for establishments that did not complete a census form.

CONSTRUCTION WORKERS

Includes all payroll workers up through the working supervisor level directly engaged in construction operations, such as painters, carpenters, plumbers, and electricians. Included are journeymen, mechanics, apprentices, laborers, truck drivers and helpers, equipment operators, and on-site record keepers and security guards. Supervisory employees above the working foreman level are excluded from this category and are included in the other employees category.

COST OF ALL OTHER FUELS AND LUBRICANTS (\$1,000)

Costs for fuels and lubricants purchased during the year from other companies or received from other establishments of the company and not included as costs in any of these categories: natural gas; manufactured gas; gasoline; and diesel fuel.

COST OF CONSTRUCTION WORK SUBCONTRACTED OUT TO OTHERS (\$1,000)

All costs for construction work subcontracted out to other construction contractors during the reporting year. Excluded from this item are costs to the reporting establishment for its purchases of materials, components, and supplies provided to a subcontractor for use, such costs are reported under costs for materials, components, and supplies. Also excluded are costs for the rental of machinery or equipment.

COST OF ELECTRICITY (\$1,000)

Costs for electric energy purchased during the year from other companies or received from other establishments of the company.

COST OF GASOLINE AND DIESEL FUEL (\$1,000)

Costs for gasoline and diesel fuel purchased during the year from other companies or received from other establishments of the company.

COST OF OFF-HIGHWAY USE OF GASOLINE AND DIESEL FUEL (\$1,000)

Includes the costs for gasoline and diesel fuel purchased during the reporting year for off-highway use. Off-highway fuel use is the use of fuel for trade, business, or income producing activity. In most cases, off-highway fuel use does not include use in a highway vehicle registered or required to be registered for use on public highways.

COST OF ON-HIGHWAY USE OF GASOLINE AND DIESEL FUEL (\$1,000)

Costs for gasoline and diesel fuel purchased during the year to fuel highway vehicles. A highway vehicle is any self-propelled vehicle designed to carry a load over public highways, whether or not also designed to perform other functions. Examples of vehicles designed to carry a load over public highways are passenger automobiles, trucks, and truck tractors. If a vehicle can be used for a combination of on-highway and off-highway uses and has one fuel tank, the fuel use is not considered off-highway. An example of this is a concrete-mixer truck where the truck engine operates both the engine and the mixing unit by a power take-off and is fueled by a single tank. None of the fuel used in this vehicle is off-highway because of the on-highway use. If the vehicle has separate fuel tanks and engines, the fuel in a tank used for non-highway use may be considered off-highway use.

COSTS OF MATERIALS, COMPONENTS, AND SUPPLIES (\$1,000)

Includes the costs for materials, components, and supplies used by establishments in the construction or reconstruction of buildings, structures, or other facilities and costs for materials bought and resold to others. Also includes costs made for direct purchases of materials, components, and supplies even though the purchases were subsequently provided to subcontractors for their use. Supplies include expendable tools which are charged to current accounts. Freight and other direct charges representing only that amount paid after discounts, and the value of materials, components, and supplies obtained from other establishments of the respondent's company. Excluded from this item are the cost of fuels, lubricants, electric energy, industrial and other specialized machinery

and equipment such as printing presses; computer systems, that are not an integral part of a structure; and materials furnished to contractors by the owners of projects.

COST OF MATERIALS, COMPONENTS, SUPPLIES, AND FUELS (\$1,000)

Includes the costs for materials, components, supplies used by establishments in the construction or reconstruction of buildings, structures, or other facilities and costs for materials bought and resold to others. Also includes the costs for fuels that include gasoline, diesel fuel, and lubricants, and electric energy purchased during the year from other companies or received from other establishments of the company and costs for natural and manufactured gas, fuel oil, coal and coke products. Excluded from this item are industrial and other specialized machinery and equipment, such as printing presses; computer systems, that are not an integral part of a structure; materials furnished to contractors by the owners of projects.

COST OF NATURAL GAS AND MANUFACTURED GAS (\$1,000)

Costs for natural gas and manufactured gas purchased during the year from other companies or received from other establishments of the company.

COST OF REPAIRS TO BUILDING AND OTHER STRUCTURES (\$1,000)

Includes the cost of all repairs made to structures by outside companies or from other establishments of the same company. It includes only the cost of repairs necessary to maintain property. It excludes the cost of improvements that increase the value of property or the cost of adapting it for another use. Such costs are included in capital expenditures.

COST OF REPAIRS TO MACHINERY AND EQUIPMENT (\$1,000)

Includes the cost of all repairs made to machinery and equipment by outside companies or from other establishments of the same company. It includes only the cost of repairs necessary to maintain the machinery.

COST OF SELECTED POWER, FUELS, AND LUBRICANTS (\$1,000)

Included are costs for fuels including gasoline, diesel fuel, and lubricants, and electric energy purchased during the year from other companies or received from other establishments of the company. Also included are costs for natural gas, manufactured gas, fuel oil, coal and coke products.

DEPRECIATION CHARGES DURING YEAR (\$1,000)

The depreciation expenses of the establishment in the reporting year. These expenses are charged against depreciable assets which are the fixed tangible property of the establishment for which depreciation accounts are ordinarily maintained.

DOLLAR VALUE SIZE CLASS

Displays data for establishments with payroll that fall within each range of value of business done.

END-OF-YEAR GROSS BOOK VALUE OF DEPRECIABLE ASSETS (\$1,000)

The gross value of depreciable assets, plus any capital expenditures for new and use depreciable assets in the reporting year, minus the gross value of depreciable assets sold, retired, scrapped, destroyed, etc. in the reporting year.

END-OF-YEAR INVENTORIES OF MATERIALS AND SUPPLIES (\$1,000)

The inventories of materials and supplies owned at the end of the reporting year by establishments with payroll. Includes all of the materials and supplies that are owned regardless of where they are held. Excludes materials which are owned by others but held by the reporting establishment. Builders who build on their own account for sale were requested to exclude work in progress and finished units not sold from inventories. Inventories of multiestablishment companies were instructed to be reported by the establishment that is responsible for the inventories even if these inventories were held at a separate location.

FIRST-QUARTER PAYROLL (\$1,000)

Includes the gross earnings paid in the first quarter of the reporting year to all employees on the payroll of construction establishments. The first-quarter payroll period is January through March. Includes all forms of compensation such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, prior to such deductions as employees' Social Security contributions, withholding taxes, group insurance, union dues, and savings bonds. Includes salaries of officers of these establishments, if a corporation, but excludes payments to the proprietor or partners, if unincorporated.

FRINGE BENEFITS (\$1,000)

Includes expenditures made by the employer for legally required and voluntary fringe benefit programs for employees.

LEGALLY REQUIRED EXPENDITURES (\$1,000)

Includes expenditures made by the employer for Social Security contributions, unemployment compensation, workman's compensation, and state temporary disability payments.

NET VALUE OF CONSTRUCTION WORK (\$1,000)

The value of construction work less the cost of construction work subcontracted out to others.

NUMBER OF CONSTRUCTION WORKERS: QUARTERLY PAY PERIOD

Refers to the number of construction workers employed during a quarterly pay period. January to March includes the reported number of construction workers employed during the pay period including March 12. April to June includes the reported number of construction workers employed during the pay period including May 12. July to September includes the reported number of construction workers employed during the pay period including August 12. October to December includes the reported number of construction workers employed during the pay period including November 12.

NUMBER OF ESTABLISHMENTS

Includes all establishments that were in business at any time during the year. It covers all full-year and part-year operations. Construction establishments that were inactive or idle for the entire year were not included.

NUMBER OF ESTABLISHMENTS NOT REPORTING INVENTORIES

Includes all establishments with payroll that did not report a dollar amount for inventories of materials and supplies during the reporting year. It covers all full-year and part-year operations. Construction establishments that were inactive or idle for the entire year were not included.

NUMBER OF ESTABLISHMENTS WITH INVENTORIES

Includes all establishments with payroll that reported a dollar amount of inventory. Includes the number of establishments that were in business at any time during the year. It covers all full-year and part-year operations. Construction establishments that were inactive or idle for the entire year were not included.

NUMBER OF ESTABLISHMENTS WITH NO INVENTORIES

Includes all establishments with payroll that reported having no inventories of materials and supplies during the reporting year. Includes establishments that were in business at any time during the year. It covers all full-year and part-year operations. Construction establishments that were inactive or idle for the entire year were not included.

NUMBER OF OTHER EMPLOYEES: QUARTERLY PAY PERIOD

Refers to the number of other employees employed during a quarterly pay period. January to March includes the reported number of other workers employed during the pay period including March 12. April to June includes the reported number of other workers employed during the pay period including May 12. July to September includes the reported number of other workers employed during the pay period including August 12. October to December includes the reported number of other workers employed during the pay period including November 12.

NUMBER OF PROPRIETORS AND WORKING PARTNERS

These data were not collected on the census report forms. The data shown are based on crediting each sole proprietorship establishment with one active proprietor and each partnership establishment with two working partners.

OTHER BUSINESS RECEIPTS (\$1,000)

Includes business receipts not reported as value of construction work. This includes business receipts from retail and wholesale trade, rental of equipment without operator, manufacturing, transportation, legal services, insurance, finance, rental of property and other real estate operations, and other nonconstruction activities. Receipts for separately definable architectural and engineering work for others are also included here. Excluded are receipts from other business operations in foreign countries, and nonoperating income such as interest and dividends.

OTHER EMPLOYEES

Includes payroll employees in executive, purchasing, accounting, personnel, professional, technical activities, and routine office functions. Also included are supervisory employees above the working foreman level.

PAYROLL (\$1,000)

Includes the gross earnings paid in the reporting year to all employees on the payroll of construction establishments. It includes all forms of compensation such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, prior to deductions such as employees' Social Security contributions, withholding taxes, group insurance, union dues, and savings bonds. The total includes salaries of officers of these establishments, if a corporation, but excludes payments to the proprietor or partners, if unincorporated.

PAYROLL: CONSTRUCTION WORKERS (\$1,000)

Includes the gross earnings paid in the reporting year to all construction workers on the payroll of construction establishments. It includes all forms of compensation such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, prior to deductions such as employees' Social security contributions, withholding taxes, group insurance, union dues, and savings bonds.

PAYROLL: OTHER EMPLOYEES (\$1,000)

Includes the gross earnings paid in the reporting year to all other employees on the payroll of construction establishments. It includes all forms of compensation such as salaries, wages, commissions, dismissal pay, bonuses, vacations and sick leave pay, prior to deductions such as employees' Social Security contributions, withholding taxes, group insurance, union dues, and savings bonds. Payroll of other employees excludes salaries of the proprietor or partners, if unincorporated.

PRIMARY AND OTHER KINDS OF BUSINESS ACTIVITIES

Displays dollar value of business done by primary construction business activity. Primary construction activity is construction activity that generates fifty-one percent or more of an establishment's dollar value of business done. Also displayed are other kinds of business activities. Other kinds of business activities include business receipts not reported as value of construction work. This item includes business receipts from retail and wholesale trade, rental of equipment without an operator, manufacturing, transportation, legal services, insurance, finance, rental of property and other real estate operations, and other nonconstruction activities. Receipts for separately definable architectural and engineering work for others are also included in other kinds of business activities.

PURCHASED COMMUNICATION SERVICES (\$1,000)

Includes all costs for communication services purchased from other companies or from other establishments of the company.

RENTAL COSTS FOR BUILDINGS (\$1,000)

Includes all costs for renting or leasing space and buildings. It excludes costs under agreements that are in effect conditional sales contracts such as capital leases. Such costs are included in capital expenditures.

RENTAL COSTS FOR MACHINERY AND EQUIPMENT (\$1,000)

Includes all costs for renting or leasing construction machinery and equipment, transportation equipment, production equipment, office equipment, furniture and fixtures, and scaffolding. It excludes costs for the rental of

land. It also excludes costs under agreements that in effect are conditional sales contracts such as capital leases. Such costs are included in capital expenditures.

RENTAL COSTS FOR MACHINERY, EQUIPMENT, AND BUILDINGS (\$1,000)

Includes all costs for renting or leasing construction machinery and equipment, transportation equipment, production equipment, office equipment, furniture and fixtures, scaffolding, office space, and buildings. It excludes costs for the rental of land. It also excludes costs under agreements that in effect are conditional sales contracts such as capital leases. Such costs are included in capital expenditures.

RETIREMENTS AND DISPOSITION OF DEPRECIABLE ASSETS (\$1,000)

Includes the gross value of depreciable assets sold, retired, scrapped, destroyed, abandoned, etc., during the year. The values shown are the acquisition costs of the retired assets. This item also includes the value of assets (at acquisition cost rather than current market value) transferred to other establishments of the same company.

SELECTED COSTS (\$1,000)

Includes the costs for materials, components, and supplies; costs for construction work subcontracted out to others; and costs for selected power, fuels, and lubricants. Capital expenditures and rental costs for machinery, equipment, and structures are shown elsewhere.

SELECTED PURCHASED SERVICES (\$1,000)

Includes all costs for communication and repair to buildings and other structure services purchased from other companies or from other establishments of the company. It also includes the cost of all repairs made to structures and equipment by outside companies or from other establishments of the same company. It includes only the cost of repairs necessary to maintain property and equipment. It excludes the cost of improvements that increase the value of property or the cost of adapting it for another use. Such costs are included in capital expenditures.

TYPE OF COMPANY OWNERSHIP AND LEGAL FORM OF ORGANIZATION

On the report forms, each establishment of companies with payroll covered in the 1997 Economic Census was classified into one of seven specific legal forms of organization. Publication categories derived from this data are also shown below:

- **Individual proprietorship.** Companies owned by one person.

- **Partnership.** Companies owned by two persons or more, each of whom had a financial interest in the business.
- **Corporation.** Companies (other than cooperatives) that were legally incorporated under state laws.
- **Other noncorporate legal form.** Companies for which the legal form of organization was not one of those defined above (i.e., cooperative associations (taxable), cooperative associations (tax-exempt), government-owned and private company-operated, other).

Companies operating at a single location are classified as single-establishment companies. Companies operating at more than one location are classified as multiestablishment companies. Categories in this item for which data are shown are derived from these definitions.

TYPE OF CONSTRUCTION

Provides data by the types of buildings, structures, or other facilities being constructed or worked on by construction establishments in the reporting year. Respondents were instructed that each building, structure, or other facility should be classified in terms of its function. For example, a restaurant building was to be classified in the restaurant category whether it was designed as a commercial restaurant building or an auxiliary unit of an educational institution. If respondents worked on more than one type of building or structure in a multibuilding complex, they were instructed to report separately for each building or type of structure. If they worked on a building that had more than one purpose; i.e., office and residential, or commercial, they were to classify the building by major purpose. In addition, all respondents were requested to report the percentage of the value of construction work done for new construction, additions, alterations, or reconstruction, and maintenance and repair work for each of these types.

Building Construction

- **Single-family houses, detached.** Includes all fully detached residential buildings constructed for one family use.
- **Single-family houses, attached, including townhouses and townhouse-type condominiums.** Includes all residential buildings with two or more living quarters side by side, completely independent of one another, and separated by an unbroken party or lot line wall from ground to roof.
- **Apartment buildings, apartment type condominiums, and cooperatives.** Includes apartment rentals, high-rise, low-rise, or any structures containing two or more housing units other than attached single-family houses.

- **All other residential buildings.** Includes dormitories, fraternity and sorority houses, and other nonhousekeeping residential structures.
- **Manufacturing and light industrial buildings.** Includes all manufacturing and light industrial buildings and plants that are used to house production and assembly activities. Note that industrial parks should be classified under its primary usage such as warehouses, office space, commercial or industrial type buildings. Heavy industrial facilities such as blast furnaces, petroleum refineries, and chemical complexes are not included in this category but are reported under non-building construction.
- **Manufacturing and light industrial warehouses.** Includes all warehouses which are intended for industrial activities.
- **Hotels and motels.** Includes hotels, motels, bed-and-breakfast inns, and tourist cabins intended for transient accommodations. Also included are hotel and motel conference centers.
- **Office buildings.** Includes all buildings that are used primarily for office space or for government administrative offices. Also included are banks or financial buildings that are three stories or more. Medical office buildings are reported under hospitals and institutional buildings.
- **All other commercial buildings, nec (not elsewhere classified) such as stores, restaurants, and automobile service stations.** Includes all buildings that are intended for use primarily in the retail and service trades. For example, shopping centers, department stores, drug stores, restaurants, public garages, auto service stations, and one or two story bank or financial institutions.
- **Commercial warehouses.** Includes distribution buildings and mini-storage units intended for commercial use. Also included are storage warehouses.
- **Religious buildings.** Includes all buildings that are intended for religious services or functions such as churches, synagogues, convents, monasteries, and seminaries.
- **Educational buildings.** Includes all buildings that are used directly in administrative and instructional activities such as colleges, universities, elementary and secondary schools, correspondence, commercial, and trade schools. Libraries, museums, and art galleries, as well as laboratories that are not a part of a manufacturing or commercial establishment, are also included.
- **Health care and institutional buildings.** Includes hospitals, medical office buildings and all other buildings that are intended to provide health and institutional care such as clinics, infirmaries, sanitariums, nursing homes, homes for the aged, and orphanages.

- **Public safety buildings.** Included detention centers, prisons, fire stations, and rescue squad buildings.
- **Farm buildings, nonresidential.** Includes nonresidential farm buildings such as barns, poultry houses, implement sheds, and farm silos.
- **Amusement, social, and recreational buildings.** Includes buildings that are used primarily for entertainment, social, and recreational activities such as sports arenas, convention centers, theaters, music halls, golf and country club buildings, skating rinks, fitness centers, bowling alleys, and indoor swimming pools.
- **Other building construction.** Includes all types of residential and nonresidential building construction not shown elsewhere.

Nonbuilding Construction

- **Highways, streets, and related work such as installation of guardrails, highway signs, and lighting.** Includes streets, roads, alleys, sidewalks, curbs and gutters, culverts, right-of-way drainage, erosion control, and lighting. Also includes earthwork protective structures when used in connection with road improvements.
- **Airport runways and related work.** Includes runways, taxiways, aprons, and related work.
- **Private driveways and parking areas.** Includes all nonstructural parking areas and private driveways of all surface types.
- **Bridges and elevated highways.** Includes viaducts and overpasses, roads, highways, railroads, and causeways built on structural supports.
- **Tunnels.** Includes highway, pedestrian, railroad, and water distribution tunnels.
- **Sewers, sewer lines, septic tanks, and related facilities.** Includes sanitary and storm sewers, pumping stations, septic systems, and related facilities.
- **Water mains and related facilities.** Includes water supply systems, pumping stations, and related facilities.
- **Pipeline construction other than sewer or water-lines.** Includes pipelines for the transmission of gas, petroleum products, and liquefied gases.
- **Power and communication transmission lines, towers, and related facilities.** Includes electric power lines, telephone and telegraph lines, fiber optic cables, cable television lines, television and radio towers, and electric light and power facilities.
- **Power plants and cogeneration plants, except hydroelectric.** Includes electric and steam generating plants, cogenerating plants, and nuclear plants.
- **Power plant, hydroelectric.** Includes all types of hydroelectric power generating plants.
- **Blast furnaces, petroleum refineries, chemical complexes, etc.** Includes coke ovens and mining appurtenances such as tipples and washeries.
- **Sewage treatment plants.** Includes sewage treatment and waste disposal plants.
- **Water treatment plants.** Includes water filtration and water softening plants.
- **Urban mass transit.** Includes subways, street cars, and light rail systems.
- **Railroad construction.** Includes the construction of railroad beds, tracks, freight yards, and signal towers for systems other than urban mass transit.
- **Conservation and development construction.** Includes land reclamation, irrigation projects, drainage canals, levees, jetties, breakwaters, and flood control projects.
- **Dam and reservoir construction.** Includes hydroelectric, water supply, and flood control dams and reservoirs.
- **Dry/Solid waste disposal.** Includes all dry/solid waste disposal sites where non hazardous waste is buried.
- **Harbor and port facilities.** Includes docks, piers, and wharves.
- **Marine construction.** Includes dredging, underwater rock removal, breakwaters, navigational channels, and locks.
- **Outdoor swimming pools.** Includes wading pools and reflecting pools.
- **Water storage facilities.** Includes aqueducts, water towers, and water tanks.
- **Tank storage facilities other than water.** Includes gasoline and oil storage tanks.
- **Fencing.** Includes all types of fencing.
- **Recreational facilities.** Includes athletic fields, golf courses, outdoor tennis courts, trails, and camps.
- **Billboards.** Includes all type of billboards.
- **Heavy military construction.** Includes all military nonbuilding such as missile sites and testing facilities, launch sites and underground command centers.
- **Ships.** Includes special trade contractors working on ships and boats such as painters, carpenters, joiners, electricians, etc.

- **Oilfields.** The majority of construction work occurring in oil fields is classified in Sector 21, Mining. For example, pipeline construction on oil and gas leases are classified in mining only up to the point where the distribution company takes over. At that point, pipeline construction activity is classified in Sector 23, Construction. Some secondary mining construction activities are classified in the construction sector. Examples of this include: road construction; land clearing contracting; land drainage contracting; and land leveling contracting.
- **Other nonbuilding construction, nec.** Includes all types of nonbuilding construction not elsewhere classified.

VALUE ADDED (\$1,000)

Value added is equal to value of business done, less costs for construction work subcontracted out to others and costs for materials, components, supplies, and fuels.

VALUE OF BUSINESS DONE (\$1,000)

Value of business done is the sum of value of construction work and other business receipts.

VALUE OF CONSTRUCTION WORK (\$1,000)

Includes the value of construction work done by general contractors, heavy construction contractors, and special trades contractors. Included are new construction, additions, alterations or reconstruction, and maintenance and repair construction work. Also includes the value of any construction work done by the reporting establishments for themselves. Speculative builders were instructed to include the value of buildings and other structures built or being built for sale in the reporting year, but not sold. They were to include the costs of such construction plus normal profit. Also included is the cost of construction work done on buildings for rent or lease. Establishments engaged in the sale and installation of construction components such as plumbing, heating, and central air-conditioning supplies and equipment; lumber and building materials; paint, glass, and wallpaper; and electrical and wiring supplies, elevators or escalators were instructed to include both the value for the installation and the receipts covering the price of the items installed. Excluded are the cost of industrial and other special machinery and equipment that are not an integral part of a structure, and value of work done from business operations in foreign countries.

VALUE OF CONSTRUCTION WORK: ADDITIONS, ALTERATIONS, OR RECONSTRUCTION (\$1,000)

Includes construction work which adds to the value or useful life of an existing building or structure or that adapts a building or structure to a new or different use.

Included are major replacements of building systems, such as the installation of a new roof or heating system and the resurfacing of streets or highways. This contrasts to the repair of a hole in a roof or the routine patching of highways and streets that would be classified as maintenance and repair.

VALUE OF CONSTRUCTION WORK DONE IN THIS STATE (\$1,000)

Includes the value of construction work done in a state by general contractors, heavy construction contractors, and special trades contractors.

VALUE OF CONSTRUCTION WORK FOR ESTABLISHMENTS WITH INVENTORIES (\$1,000)

The value of construction work for establishments with payroll that reported a dollar amount of inventory in the reporting year.

VALUE OF CONSTRUCTION WORK FOR ESTABLISHMENTS WITH NO INVENTORIES (\$1,000)

The value of construction work for establishments with payroll that reported having no dollar amount of inventory in the reporting year.

VALUE OF CONSTRUCTION WORK: FOR SPECIALIZED TYPE (\$1,000)

Includes value of construction work for one of two specialized categories: types of construction; and kind-of-business activity. A construction establishment specializes in a type of construction when fifty-one percent or more of the construction work done is in one construction industry. The construction establishment reports each type of construction it performs as a percent of value of construction work. Types of construction refers to the types of buildings, structures, or facilities constructed or worked on by construction establishments in the reporting year. Specialization in types of construction displays data for establishments with payroll that falls within each percent range of specialization. A construction establishment specializes in a kind-of-business activity when fifty-one percent or more of the construction work done by the establishment is performed in one type of business activity. The construction establishment reports each kind-of-business activity engaged in as a percent of value of construction work. Kind-of-business activity refers to the kinds of business activities construction establishments perform throughout the reporting year. The following are examples of kind-of-business activity: highway and street construction; electrical contracting; carpentry contracting; and concrete contracting. Specialization in kind-of-business activity displays data for establishments with payroll that fall within each percent range of specialization.

VALUE OF CONSTRUCTION WORK: MAINTENANCE AND REPAIR (\$1,000)

Includes incidental construction work that keeps a property in ordinary working condition. Excluded are trash and snow removal, lawn maintenance and landscaping, cleaning and janitorial services.

VALUE OF CONSTRUCTION WORK: NEW CONSTRUCTION (\$1,000)

Includes the complete, original building of structures and essential service facilities and the initial installation of integral equipment such as elevators and plumbing, heating, and air-conditioning supplies and equipment.

VALUE OF CONSTRUCTION WORK ON FEDERALLY OWNED PROJECTS (\$1,000)

The value of construction work for projects owned by the Federal government.

VALUE OF CONSTRUCTION WORK ON GOVERNMENT OWNED PROJECTS (\$1,000)

The value of construction work for the sum total of all projects owned by Federal, state, and local governments.

VALUE OF CONSTRUCTION WORK ON PRIVATELY OWNED PROJECTS (\$1,000)

The value of construction work for construction projects other than government owned projects.

VALUE OF CONSTRUCTION WORK ON STATE AND LOCALLY OWNED PROJECTS (\$1,000)

The value of construction work for the sum total of all projects owned by state and local governments.

VALUE OF CONSTRUCTION WORK SUBCONTRACTED IN FROM OTHERS (\$1,000)

Includes the value of construction work done by reporting establishments as subcontractors to other contractors or builders. Establishments were asked to report the approximate percent of total value of construction work accounted for by such work, and the percentages reported were applied to the reported value of construction work to develop a value for this item.

VALUE OF CONSTRUCTION WORK FOR ESTABLISHMENTS NOT REPORTING INVENTORIES (\$1,000)

The value of construction work for establishments that did not report a dollar amount for inventories of materials and supplies, and the value of construction work for establishments that did not complete a census form.

VOLUNTARY EXPENDITURES (\$1,000)

Includes expenditures made by the employer for life insurance premiums, pension plans, insurance premiums on hospital and medical plans, welfare plans, and union negotiated benefits.

Appendix B.

NAICS Codes, Titles, and Descriptions

23 CONSTRUCTION

The Construction sector comprises establishments primarily engaged in the construction of buildings and other structures, heavy construction (except buildings), additions, alterations, reconstruction, installation, and maintenance and repairs. Establishments engaged in demolition or wrecking of buildings and other structures, clearing of building sites, and sale of materials from demolished structures are also included. This sector also includes those establishments engaged in blasting, test drilling, landfill, leveling, earthmoving, excavating, land drainage, and other land preparation. The industries within this sector have been defined on the basis of their unique production processes. As with all industries, the production processes are distinguished by their use of specialized human resources and specialized physical capital. Construction activities are generally administered or managed at a relatively fixed place of business, but the actual construction work is performed at one or more different project sites.

This sector is divided into three subsectors of construction activities: (1) building construction and land subdivision and land development; (2) heavy construction (except buildings), such as highways, power plants, and pipelines; and (3) construction activity by special trade contractors.

Establishments classified in Subsector 233, Building, Developing, and General Contracting and Subsector 234, Heavy Construction, usually assume responsibility for an entire construction project, and may subcontract some or all of the actual construction work. Operative builders who build on their own account for sale, and land subdividers and land developers, who engage in subdividing real property into lots for sale, are included in Subsector 233, Building, Developing, and General Contracting. (Special trade contractors are included in Subsector 234, Heavy Construction, if they are engaged in activities primarily relating to heavy construction, such as grading for highways.) Establishments included in these subsectors operate as general contractors, design-builders, engineer-constructors, joint-venture contractors, and turnkey construction contractors. Establishments identified as construction management firms are also included.

Establishments classified in Subsector 235, Special Trade Contractors, are primarily engaged in specialized construction activities, such as plumbing, painting, and electrical work, and work for builders and general contractors under subcontract or directly for project owners. Establishments engaged in demolition or wrecking of

buildings and other structures, dismantling of machinery, excavating, shoring and underpinning, anchored earth retention activities, foundation drilling, and grading for buildings are also included in this subsector.

“Force account” construction is construction work performed by an establishment primarily engaged in some business other than construction, for its own account and use, and by employees of the establishment. This activity is not included in this industry sector unless the construction work performed is the primary activity of a separate establishment of the enterprise.

The installation of prefabricated building equipment and materials, such as elevators and revolving doors, is classified in the Construction sector. Installation work incidental to sales by employees of a manufacturing or retail establishment is classified as an activity of those establishments.

233 Building, Developing, and General Contracting

Industries in the Building, Developing, and General Contracting subsector comprises establishments primarily responsible for the entire construction (i.e., new work, additions, alterations, and repair) of building projects. Builders, developers, and general contractors, as well as land subdividers and land developers are included in this subsector. Establishments identified as construction management firms for building projects are also included. The construction work may be for others and performed by custom builders, general contractors, design builders, engineer-constructors, joint-venture contractors, and turnkey contractors, or may be on their own account for sale and performed by speculative or operative builders.

2331 Land Subdivision and Land Development

This NAICS Industry Group includes establishments classified in NAICS Industry 23311, Land Subdivision and Land Development.

23311 Land Subdivision and Land Development

This industry comprises establishments primarily engaged in subdividing real property into lots and/or developing building lots for sale.

233110 Land Subdivision and Land Development

This U.S. industry comprises establishments primarily engaged in subdividing real property into lots and/or developing building lots for sale.

The data published with NAICS code 233110 include the following SIC industries:

6552 Land subdividers and developers, except cemeteries

2332 Residential Building Construction

This NAICS Industry Group includes establishments classified in the following NAICS Industries: 23321, Single-Family Housing Construction; and 23322, Multifamily Housing Construction.

23321 Single-Family Housing Construction

This industry comprises establishments primarily responsible for the entire construction (i.e., new work, additions, alterations, and repairs) of single family residential housing units (e.g., single family detached houses, town houses, or row houses where each housing unit is separated by a ground-to-roof wall and where no housing units are constructed above or below). This industry includes establishments responsible for additions and alterations to mobile homes and on-site assembly of modular and prefabricated houses. Establishments identified as single family construction management firms are also included in this industry. Establishments in this industry may perform work for others or on their own account for sale as speculative or operative builders. Kinds of establishments include single family housing custom builders, general contractors, design builders, engineer-constructors, joint-venture contractors, and turnkey contractors.

233210 Single-Family Housing Construction

This U.S. industry comprises establishments primarily responsible for the entire construction (i.e., new work, additions, alterations, and repairs) of single family residential housing units (e.g., single family detached houses, town houses, or row houses where each housing unit is separated by a ground-to-roof wall and where no housing units are constructed above or below). This industry includes establishments responsible for additions and alterations to mobile homes and on-site assembly of modular and prefabricated houses. Establishments identified as single family construction management firms are also included in this industry. Establishments in this industry may perform work for others or on their own account for sale as speculative or operative builders. Kinds of establishments include single family housing custom builders, general contractors, design builders, engineer-constructors, joint-venture contractors, and turnkey contractors.

The data published with NAICS code 233210 include the following SIC industries:

1521 General contractors—single-family houses
1531 Operative builders (pt)
8741 Management services (pt)

23322 Multifamily Housing Construction

This industry comprises establishments primarily responsible for the entire construction (i.e., new work, additions, alterations, and repairs) of multifamily residential housing units (e.g., highrise, garden, and town house apartments where each unit is not separated by a ground-to-roof wall). The units may be constructed for sale as condominiums or cooperatives, or for rental as apartments. Establishments identified as multifamily construction management firms are also included in this industry. Establishments in this industry may perform work for others or on their own account for sale as speculative or operative builders. Kinds of establishments include multifamily housing general contractors, design builders, engineer-constructors, joint-venture contractors, and turnkey contractors.

233220 Multifamily Housing Construction

This U.S. industry comprises establishments primarily responsible for the entire construction (i.e., new work, additions, alterations, and repairs) of multifamily residential housing units (e.g., highrise, garden, and town house apartments where each unit is not separated by a ground-to-roof wall). The units may be constructed for sale as condominiums or cooperatives, or for rental as apartments. Establishments identified as multifamily construction management firms are also included in this industry. Establishments in this industry may perform work for others or on their own account for sale as speculative or operative builders. Kinds of establishments include multifamily housing general contractors, design builders, engineer-constructors, joint-venture contractors, and turnkey contractors.

The data published with NAICS code 233220 include the following SIC industries:

1522 General contractors—residential buildings, other than single-family (pt)
1531 Operative builders (pt)
8741 Management services (pt)

2333 Nonresidential Building Construction

This NAICS Industry Group includes establishments classified in the following NAICS Industries: 23331, Manufacturing and Industrial Building Construction; and 23332, Commercial and Institutional Building Construction.

23331 Manufacturing and Industrial Building Construction

This industry comprises establishments primarily responsible for the entire construction (i.e., new work, additions, alterations, and repairs) of manufacturing and industrial buildings (e.g., plants, mills, factories). Establishments identified as manufacturing and industrial building construction management firms are also included in

this industry. Kinds of establishments include manufacturing and industrial building general contractors, design builders, engineer-constructors, joint-venture contractors, and turnkey contractors.

233310 Manufacturing and Industrial Building Construction

This U.S. industry comprises establishments primarily responsible for the entire construction (i.e., new work, additions, alterations, and repairs) of manufacturing and industrial buildings (e.g., plants, mills, factories). Establishments identified as manufacturing and industrial building construction management firms are also included in this industry. Kinds of establishments include manufacturing and industrial building general contractors, design builders, engineer-constructors, joint-venture contractors, and turnkey contractors.

The data published with NAICS code 233310 include the following SIC industries:

- 1531 Operative builders (pt)
- 1541 General contractors—industrial buildings and warehouses (pt)
- 8741 Management services (pt)

23332 Commercial and Institutional Building Construction

This industry comprises establishments primarily responsible for the entire construction (i.e., new work, additions, alterations, and repairs) of commercial and institutional buildings (e.g., stores, schools, hospitals office buildings, public warehouses). Establishments identified as commercial and institutional building construction management firms are also included in this industry. Kinds of establishments include commercial and institutional building general contractors, design builders, engineer-constructors, joint-venture contractors, and turnkey contractors.

233320 Commercial and Institutional Building Construction

This U.S. industry comprises establishments primarily responsible for the entire construction (i.e., new work, additions, alterations, and repairs) of commercial and institutional buildings (e.g., stores, schools, hospitals office buildings, public warehouses). Establishments identified as commercial and institutional building construction management firms are also included in this industry. Kinds of establishments include commercial and institutional building general contractors, design builders, engineer-constructors, joint-venture contractors, and turnkey contractors.

The data published with NAICS code 233320 include the following SIC industries:

- 1522 General contractors—residential buildings, other than single-family (pt)
- 1531 Operative builders (pt)
- 1541 General contractors—industrial buildings and warehouses (pt)
- 1542 General contractors—nonresidential buildings, except industrial buildings and warehouses
- 8741 Management services (pt)

234 Heavy Construction

Industries in the Heavy Construction subsector group establishments that engage in the construction of heavy engineering and industrial projects (except buildings), for example, highways, power plants, and pipelines. The construction work performed may include new work, reconstruction, or repairs. Establishments identified as heavy construction management firms are also included. Establishments in this subsector usually assume responsibility for entire nonbuilding projects but may subcontract some or all of the actual construction work. Special trade contractors are included in this group if they are engaged in activities primarily related to heavy construction, for example, grading for highways. Kinds of establishments include heavy construction general contractors, design builders, engineer-constructors, and joint-venture contractors.

2341 Highway, Street, Bridge, and Tunnel Construction

This NAICS Industry Group includes establishments classified in the following NAICS industries: 23411, Highway and Street Construction; and 23412, Bridge and Tunnel Construction.

23411 Highway and Street Construction

This industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of highways (except elevated), streets, roads, or airport runways; (2) establishments identified as highway and street construction management firms; and (3) establishments identified as special trade contractors engaged in performing subcontract work primarily related to highway and street construction (e.g., grading for highways, installing guardrails, public sidewalk construction). Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include highway and street general contractors, design builders, engineer-constructors, and joint-venture contractors.

234110 Highway and Street Construction

This U.S. industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of highways (except elevated),

streets, roads, or airport runways; (2) establishments identified as highway and street construction management firms; and (3) establishments identified as special trade contractors engaged in performing subcontract work primarily related to highway and street construction (e.g., grading for highways, installing guardrails, public sidewalk construction). Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include highway and street general contractors, design builders, engineer-constructors, and joint-venture contractors.

The data published with NAICS code 234110 include the following SIC industries:

- 1611 Highway and street construction contractors, except elevated highways
- 8741 Management services (pt)

23412 Bridge and Tunnel Construction

This industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of bridges, viaducts, elevated highways, and tunnels; (2) establishments identified as bridge and tunnel construction management firms; and (3) establishments identified as special trade contractors primarily engaged in performing subcontract work related to bridge and tunnel construction. Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include bridge and tunnel general contractors, design builders, engineer-constructors, and joint-venture contractors.

234120 Bridge and Tunnel Construction

This U.S. industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of bridges, viaducts, elevated highways, and tunnels; (2) establishments identified as bridge and tunnel construction management firms; and (3) establishments identified as special trade contractors primarily engaged in performing subcontract work related to bridge and tunnel construction. Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include bridge and tunnel general contractors, design builders, engineer-constructors, and joint-venture contractors.

The data published with NAICS code 234120 include the following SIC industries:

- 1622 Bridge, tunnel, and elevated highway construction contractors
- 8741 Management services (pt)

2349 Other Heavy Construction

This industry group comprises establishments primarily engaged in heavy nonbuilding construction (except highway, street, bridge, and tunnel construction).

23491 Water, Sewer, and Pipeline Construction

This industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, rehabilitation, or repairs) of water mains, sewers, drains, gas mains, natural gas pumping stations, and gas and oil pipelines; (2) establishments identified as water, sewer, and pipeline construction management firms; and (3) establishments identified as special trade contractors engaged in activities primarily related to water, sewer, and pipeline construction. Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include water, sewer, and pipeline general contractors, design builders, engineer-constructors, and joint-venture contractors.

234910 Water, Sewer, and Pipeline Construction

This U.S. industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, rehabilitation, or repairs) of water mains, sewers, drains, gas mains, natural gas pumping stations, and gas and oil pipelines; (2) establishments identified as water, sewer, and pipeline construction management firms; and (3) establishments identified as special trade contractors engaged in activities primarily related to water, sewer, and pipeline construction. Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include water, sewer, and pipeline general contractors, design builders, engineer-constructors, and joint-venture contractors.

The data published with NAICS code 234910 include the following SIC industries:

- 1623 Water, sewer, pipeline, and communications and power line construction (pt)
- 8741 Management services (pt)

23492 Power and Communication Transmission Line Construction

This industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of electric power and communication transmission lines and towers, radio and television transmitting/receiving towers, cable laying, and cable television lines; (2) establishments identified as power and communication transmission line construction management firms; and (3) establishments identified as special trade contractors engaged in activities primarily related to power and communication transmission line construction. Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include power and communication transmission line general contractors, design builders, engineer-constructors, and joint-venture contractors.

234920 Power and Communication Transmission Line Construction

This U.S. industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of electric power and communication transmission lines and towers, radio and television transmitting/receiving towers, cable laying, and cable television lines; (2) establishments identified as power and communication transmission line construction management firms; and (3) establishments identified as special trade contractors engaged in activities primarily related to power and communication transmission line construction. Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include power and communication transmission line general contractors, design builders, engineer-constructors, and joint-venture contractors.

The data published with NAICS code 234920 include the following SIC industries:

- 1623 Water, sewer, pipeline, and communications and power line construction (pt)
- 8741 Management services (pt)

23493 Industrial Nonbuilding Structure Construction

This industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of heavy industrial nonbuilding structures, such as chemical complexes or facilities, cement plants, petroleum refineries, industrial incinerators, ovens, kilns, power plants (except hydroelectric plants), and nuclear reactor containment structures; (2) establishments identified as industrial nonbuilding construction management firms; and (3) establishments identified as special trade contractors engaged in activities primarily related to industrial nonbuilding construction. Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include industrial nonbuilding general contractors, design builders, engineer-constructors, and joint-venture contractors.

234930 Industrial Nonbuilding Structure Construction

This U.S. industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of heavy industrial nonbuilding structures, such as chemical complexes or facilities, cement plants, petroleum refineries, industrial incinerators, ovens, kilns, power plants (except hydroelectric plants), and nuclear reactor containment structures; (2) establishments identified as industrial nonbuilding construction management firms; and (3) establishments identified as special trade contractors engaged in activities primarily related to industrial nonbuilding construction.

Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include industrial nonbuilding general contractors, design builders, engineer-constructors, and joint-venture contractors.

The data published with NAICS code 234930 include the following SIC industries:

- 1629 Heavy construction, n.e.c. (pt)
- 8741 Management services (pt)

23499 All Other Heavy Construction

This industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of heavy nonbuilding construction projects (except highway, street, bridge, tunnel, water lines, sewer lines, pipelines, power and communication transmission lines, and industrial nonbuilding structures); (2) establishments identified as all other heavy construction management firms; (3) establishments primarily engaged in construction equipment rental with an operator; and (4) establishments identified as special trade contractors engaged in activities related primarily to all other heavy construction. Typical projects constructed by establishments in this industry include athletic fields, dams, dikes, docks, drainage projects, golf courses, harbors, parks, reservoirs, canals, sewage treatment plants, water treatment plants, hydroelectric plants, subways, and other mass transit projects. Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include heavy construction general contractors, design builders, engineer-constructors, and joint-venture contractors.

234990 All Other Heavy Construction

This U.S. industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of heavy nonbuilding construction projects (except highway, street, bridge, tunnel, water lines, sewer lines, pipelines, power and communication transmission lines, and industrial nonbuilding structures); (2) establishments identified as all other heavy construction management firms; (3) establishments primarily engaged in construction equipment rental with an operator; and (4) establishments identified as special trade contractors engaged in activities related primarily to all other heavy construction. Typical projects constructed by establishments in this industry include athletic fields, dams, dikes, docks, drainage projects, golf courses, harbors, parks, reservoirs, canals, sewage treatment plants, water treatment plants, hydroelectric plants, subways, and other mass transit projects. Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include heavy construction general contractors, design builders, engineer-constructors, and joint-venture contractors.

The data published with NAICS code 234990 include the following SIC industries:

- 1629 Heavy construction, n.e.c. (pt)
- 7353 Heavy construction equipment, rental and leasing (pt)
- 8741 Management services (pt)

235 Special Trade Contractors

Industries in the Special Trade Contractors subsector engage in specialized construction activities, such as plumbing, painting, and electrical work. Those establishments that engage in activities primarily related to heavy construction, such as grading for highways, are classified in Subsector 234, Heavy Construction. The activities of this subsector may be subcontracted from builders or general contractors or it may be performed directly for project owners. The construction work performed may include new work, additions, alterations, or maintenance and repairs. Special trade contractors usually perform most of their work at the job site, although they may have shops where they perform prefabrication and other work.

2351 Plumbing, Heating, and Air-Conditioning Contractors

This NAICS Industry Group includes establishments classified in NAICS Industry 23511, Plumbing, Heating, and Air-Conditioning Contractors.

23511 Plumbing, Heating, and Air-Conditioning Contractors

This industry comprises establishments primarily engaged in one or more of the following: (1) installing plumbing, heating, and air-conditioning equipment; (2) servicing plumbing, heating, and air-conditioning equipment; and (3) the combined activity of selling and installing plumbing, heating, and air-conditioning equipment. The plumbing, heating, and air-conditioning work performed includes new work, additions, alterations, and maintenance and repairs. The activities performed by these establishments range from duct fabrication and installation at the site to installation of refrigeration equipment, installation of sprinkler systems, and installation of environmental controls.

235110 Plumbing, Heating, and Air-Conditioning Contractors

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) installing plumbing, heating, and air-conditioning equipment; (2) servicing plumbing, heating, and air-conditioning equipment; and (3) the combined activity of selling and installing plumbing, heating, and air-conditioning equipment. The plumbing, heating, and air-conditioning work performed includes new work, additions, alterations, and

maintenance and repairs. The activities performed by these establishments range from duct fabrication and installation at the site to installation of refrigeration equipment, installation of sprinkler systems, and installation of environmental controls.

The data published with NAICS code 235110 include the following SIC industry:

- 1711 Plumbing, heating, and air-conditioning special trade contractors

This definition comes from the 1997 NAICS manual. However, for this industry, the 1997 Economic Census--Construction did not fully implement the conversion to NAICS. Data for NAICS industry 235110 do not include establishments whose primary activity is boiler cleaning. The NAICS definitions will be fully implemented with the 2002 Economic Census.

2352 Painting and Wall Covering Contractors

This NAICS Industry Group includes establishments classified in NAICS Industry 23521, Painting and Wall Covering Contractors.

23521 Painting and Wall Covering Contractors

This industry comprises establishments primarily engaged in interior or exterior painting and interior wall covering. The painting and wall covering work performed includes new work, additions, alterations, and maintenance and repairs. Activities performed by these establishments range from bridge, ship, and traffic lane painting to paint and wall covering removal.

235210 Painting and Wall Covering Contractors

This U.S. industry comprises establishments primarily engaged in interior or exterior painting and interior wall covering. The painting and wall covering work performed includes new work, additions, alterations, and maintenance and repairs. Activities performed by these establishments range from bridge, ship, and traffic lane painting to paint and wall covering removal.

The data published with NAICS code 235210 include the following SIC industries:

- 1721 Painting and paper hanging special trade contractors
- 1799 Special trade contractors, n.e.c. (pt)

2353 Electrical Contractors

This NAICS Industry Group includes establishments classified in NAICS Industry 23531, Electrical Contractors.

23531 Electrical Contractors

This industry comprises establishments primarily engaged in one or more of the following: (1) performing electrical work at the site (e.g., installing wiring); (2) servicing electrical equipment at the site; and (3) the combined activity of selling and installing electrical equipment. The electrical work performed includes new work, additions, alterations, and maintenance and repairs.

235310 Electrical Contractors

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) performing electrical work at the site (e.g., installing wiring); (2) servicing electrical equipment at the site; and (3) the combined activity of selling and installing electrical equipment. The electrical work performed includes new work, additions, alterations, and maintenance and repairs.

The data published with NAICS code 235310 include the following SIC industry:

1731 Electrical work special trade contractors

2354 Masonry, Drywall, Insulation, and Tile Contractors

This NAICS Industry Group includes establishments classified in the following NAICS Industries: 23541, Masonry and Stone Contractors; 23542, Drywall, Plastering, Acoustical, and Insulation Contractors; and 23543, Tile, Marble, Terrazzo, and Mosaic Contractors.

23541 Masonry and Stone Contractors

This industry comprises establishments primarily engaged in masonry work, stone setting, and other stone work. The masonry work, stone setting, and other stone work performed includes new work, additions, alterations, and maintenance and repairs. Activities performed by establishments in this industry range from the construction of foundations made of block, stone, or brick to glass block laying; exterior marble, granite and slate work; and tuck pointing.

235410 Masonry and Stone Contractors

This U.S. industry comprises establishments primarily engaged in masonry work, stone setting, and other stone work. The masonry work, stone setting, and other stone work performed includes new work, additions, alterations, and maintenance and repairs. Activities performed by establishments in this industry range from the construction of foundations made of block, stone, or brick to glass block laying; exterior marble, granite and slate work; and tuck pointing.

The data published with NAICS code 235410 include the following SIC industry:

1741 Masonry, stone setting, and other stone work special trade contractors

23542 Drywall, Plastering, Acoustical, and Insulation Contractors

This industry comprises establishments primarily engaged in drywall, plaster work, acoustical, and building insulation work. The drywall, plaster work, acoustical, and insulation work performed includes new work, additions,

alterations, and maintenance and repairs. Plaster work includes applying plain or ornamental plaster, including installation of lathing to receive plaster.

235420 Drywall, Plastering, Acoustical, and Insulation Contractors

This U.S. industry comprises establishments primarily engaged in drywall, plaster work, acoustical, and building insulation work. The drywall, plaster work, acoustical, and insulation work performed includes new work, additions, alterations, and maintenance and repairs. Plaster work includes applying plain or ornamental plaster, including installation of lathing to receive plaster.

The data published with NAICS code 235420 include the following SIC industries:

1742 Plastering, drywall, acoustical, and insulation work special trade contractors

1743 Terrazzo, tile, marble, and mosaic work special trade contractors (pt)

1771 Concrete work special trade contractors (pt)

23543 Tile, Marble, Terrazzo, and Mosaic Contractors

This industry comprises establishments primarily engaged in (1) setting and installing ceramic tile, marble (interior only), terrazzo, and mosaic and/or (2) mixing marble particles and cement to make terrazzo at the job site. The tile, marble, terrazzo, and mosaic work performed includes new work, additions, alterations, and maintenance and repairs.

235430 Tile, Marble, Terrazzo, and Mosaic Contractors

This U.S. industry comprises establishments primarily engaged in (1) setting and installing ceramic tile, marble (interior only), terrazzo, and mosaic and/or (2) mixing marble particles and cement to make terrazzo at the job site. The tile, marble, terrazzo, and mosaic work performed includes new work, additions, alterations, and maintenance and repairs.

The data published with NAICS code 235430 include the following SIC industry:

1743 Terrazzo, tile, marble, and mosaic work special trade contractors (pt)

2355 Carpentry and Floor Contractors

This NAICS Industry Group includes establishments classified in the following NAICS Industries: 23551, Carpentry Contractors; and 23552, Floor Laying and Other Floor Contractors.

23551 Carpentry Contractors

This industry comprises establishments primarily engaged in framing, carpentry, and finishing work. The carpentry work performed includes new work, additions,

alterations, and maintenance and repairs. Activities performed by establishments in this industry range from the installation of doors and windows to paneling, steel framing work, and ship joinery.

235510 Carpentry Contractors

This U.S. industry comprises establishments primarily engaged in framing, carpentry, and finishing work. The carpentry work performed includes new work, additions, alterations, and maintenance and repairs. Activities performed by establishments in this industry range from the installation of doors and windows to paneling, steel framing work, and ship joinery.

The data published with NAICS code 235510 include the following SIC industry:

1751 Carpentry work special trade contractors

23552 Floor Laying and Other Floor Contractors

This industry comprises establishments primarily engaged in the installation of resilient floor tile, carpeting, linoleum, and wood or resilient flooring. The floor laying and other floor work performed includes new work, additions, alterations, and maintenance and repairs.

235520 Floor Laying and Other Floor Contractors

This U.S. industry comprises establishments primarily engaged in the installation of resilient floor tile, carpeting, linoleum, and wood or resilient flooring. The floor laying and other floor work performed includes new work, additions, alterations, and maintenance and repairs.

The data published with NAICS code 235520 include the following SIC industry:

1752 Floor laying and other floor work special trade contractors, n.e.c.

2356 Roofing, Siding, and Sheet Metal Contractors

This NAICS Industry Group includes establishments classified in NAICS Industry 23561, Roofing, Siding, and Sheet Metal Contractors.

23561 Roofing, Siding, and Sheet Metal Contractors

This industry comprises establishments primarily engaged in the installation of roofing, siding, sheet metal work, and roof drainage-related work, such as downspouts and gutters. Activities performed by these establishments also include treating roofs (i.e., by spraying, painting, or coating), copper smithing, tin smithing, installing skylights, installing metal ceilings, flashing, duct work, and capping. The roofing, siding, and sheet metal work performed includes new work, additions, alterations, and maintenance and repairs.

235610 Roofing, Siding, and Sheet Metal Contractors

This U.S. industry comprises establishments primarily engaged in the installation of roofing, siding, sheet metal work, and roof drainage-related work, such as downspouts and gutters. Activities performed by these establishments also include treating roofs (i.e., by spraying, painting, or coating), copper smithing, tin smithing, installing skylights, installing metal ceilings, flashing, duct work, and capping. The roofing, siding, and sheet metal work performed includes new work, additions, alterations, and maintenance and repairs.

The data published with NAICS code 235610 include the following SIC industry:

1761 Roofing, siding, and sheet metal work special trade contractors

2357 Concrete Contractors

This NAICS Industry Group includes establishments classified in NAICS Industry 23571, Concrete Contractors.

23571 Concrete Contractors

This industry comprises establishments primarily engaged in the use of concrete and asphalt to produce parking areas, building foundations, structures, and retaining walls, and in the use of all materials to produce patios, private driveways, and private walks. Activities performed by these establishments include grout and shotcrete work. The concrete work performed includes new work, additions, alterations, and maintenance and repairs.

235710 Concrete Contractors

This U.S. industry comprises establishments primarily engaged in the use of concrete and asphalt to produce parking areas, building foundations, structures, and retaining walls, and in the use of all materials to produce patios, private driveways, and private walks. Activities performed by these establishments include grout and shotcrete work. The concrete work performed includes new work, additions, alterations, and maintenance and repairs.

The data published with NAICS code 235710 include the following SIC industry:

1771 Concrete work special trade contractors (pt)

2358 Water Well Drilling Contractors

This NAICS Industry Group includes establishments classified in NAICS Industry 23581, Water Well Drilling Contractors.

23581 Water Well Drilling Contractors

This industry comprises establishments primarily engaged in drilling, tapping, and capping of water wells, and geothermal drilling. The water well drilling work performed includes new work, servicing, and maintenance and repairs.

235810 Water Well Drilling Contractors

This U.S. industry comprises establishments primarily engaged in drilling, tapping, and capping of water wells, and geothermal drilling. The water well drilling work performed includes new work, servicing, and maintenance and repairs.

The data published with NAICS code 235810 include the following SIC industry:

1781 Water well drilling special trade contractors

2359 Other Special Trade Contractors

This industry group comprises establishments primarily engaged in specialized construction activities (except plumbing, painting, electrical, masonry, drywall, insulation, tile, carpentry, flooring work, roofing, siding, sheet metal, concrete, and water well drilling).

23591 Structural Steel Erection Contractors

This industry comprises establishments primarily engaged in one or more of the following: (1) erecting metal, structural steel, and similar products of prestressed or precast concrete to produce structural elements, building exteriors, and elevator fronts; (2) setting rods, bars, rebar, mesh, and cages, to reinforce poured-in-place concrete; and (3) erecting cooling towers and metal storage tanks. The structural steel erection work performed includes new work, additions, alterations, reconstruction, and maintenance and repairs.

235910 Structural Steel Erection Contractors

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) erecting metal, structural steel, and similar products of prestressed or precast concrete to produce structural elements, building exteriors, and elevator fronts; (2) setting rods, bars, rebar, mesh, and cages, to reinforce poured-in-place concrete; and (3) erecting cooling towers and metal storage tanks. The structural steel erection work performed includes new work, additions, alterations, reconstruction, and maintenance and repairs.

The data published with NAICS code 235910 include the following SIC industry:

1791 Structural steel erection special trade contractors

23592 Glass and Glazing Contractors

This industry comprises establishments primarily engaged in installing glass (i.e., glazing work) and/or tinting glass. The glass work performed includes new work, additions, alterations, and maintenance and repairs. 235920 Glass and Glazing Contractors This U.S. industry comprises establishments primarily engaged in installing

glass (i.e., glazing work) and/or tinting glass. The glass work performed includes new work, additions, alterations, and maintenance and repairs.

The data published with NAICS code 235920 include the following SIC industries:

1793 Glass and glazing work special trade contractors

1799 Special trade contractors, n.e.c. (pt)

23593 Excavation Contractors

This industry comprises establishments primarily engaged in preparing land for building construction. Activities performed by these establishments are drilling shafts, foundation digging, foundation drilling, and grading. The excavation work performed includes new work, additions, alterations, and repairs.

235930 Excavation Contractors

This U.S. industry comprises establishments primarily engaged in preparing land for building construction. Activities performed by these establishments are drilling shafts, foundation digging, foundation drilling, and grading. The excavation work performed includes new work, additions, alterations, and repairs.

The data published with NAICS code 235930 include the following SIC industry:

1794 Excavation work special trade contractors

23594 Wrecking and Demolition Contractors

This industry comprises establishments primarily engaged in the wrecking and demolition of buildings and other structures, including underground tank removal and the dismantling of steel oil tanks, except those for hazardous materials. The establishments engaged in wrecking and demolition work may or may not sell materials derived from demolishing operations.

235940 Wrecking and Demolition Contractors

This U.S. industry comprises establishments primarily engaged in the wrecking and demolition of buildings and other structures, including underground tank removal and the dismantling of steel oil tanks, except those for hazardous materials. The establishments engaged in wrecking and demolition work may or may not sell materials derived from demolishing operations.

The data published with NAICS code 235940 include the following SIC industry:

1795 Wrecking and demolition work special trade contractors

23595 Building Equipment and Other Machinery Installation Contractors

This industry comprises establishments primarily engaged in one or more of the following: (1) the installation or dismantling of building equipment, machinery or

other industrial equipment (except plumbing, heating, air conditioning or electrical equipment); (2) machine rigging; and (3) millwrighting. Types of equipment installed include automated and revolving doors, conveyor systems, dumbwaiters, dust collecting equipment, elevators, small incinerators, pneumatic tubes systems, and built-in vacuum cleaning systems. The building equipment and other machinery installation work performed includes new work, additions, alterations, and maintenance and repairs.

235950 Building Equipment and Other Machinery Installation Contractors

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) the installation or dismantling of building equipment, machinery or other industrial equipment (except plumbing, heating, air conditioning or electrical equipment); (2) machine rigging; and (3) millwrighting. Types of equipment installed include automated and revolving doors, conveyor systems, dumbwaiters, dust collecting equipment, elevators, small incinerators, pneumatic tubes systems, and built-in vacuum cleaning systems. The building equipment and other machinery installation work performed includes new work, additions, alterations, and maintenance and repairs.

The data published with NAICS code 235950 include the following SIC industry:

1796 Installation or erection of building equipment, special trade contractors, n.e.c.

23599 All Other Special Trade Contractors

This industry comprises establishments primarily engaged in specialized construction work, (except plumbing, painting, electrical, masonry, drywall, insulation, tile, carpentry, flooring, roofing, siding, sheet metal work, concrete work, glass and glazing, structural steel erection, excavation, wrecking and demolition, and building equipment installation work). Activities undertaken by these

establishments include constructing swimming pools and fences, house moving, waterproofing, dewatering, damp-proofing, fireproofing, and sandblasting; installing antennas, artificial turf, awnings, countertops, fire escapes, forms for poured concrete, gasoline pumps, lightning conductors, ornamental metal, shoring systems, and signs (on buildings); and specialized activities, such as bathtub refinishing, coating and glazing of concrete surfaces, gas leakage detection, insulation of pipes and boilers, mobile home site setup and tie-down, posthole digging, radon remediation, scaffolding work, and on-site welding. The other special trade work performed includes new work, additions, alterations, and maintenance and repairs.

235990 All Other Special Trade Contractors

This U.S. industry comprises establishments primarily engaged in specialized construction work, (except plumbing, painting, electrical, masonry, drywall, insulation, tile, carpentry, flooring, roofing, siding, sheet metal work, concrete work, glass and glazing, structural steel erection, excavation, wrecking and demolition, and building equipment installation work). Activities undertaken by these establishments include constructing swimming pools and fences, house moving, waterproofing, dewatering, damp-proofing, fireproofing, and sandblasting; installing antennas, artificial turf, awnings, countertops, fire escapes, forms for poured concrete, gasoline pumps, lightning conductors, ornamental metal, shoring systems, and signs (on buildings); and specialized activities, such as bathtub refinishing, coating and glazing of concrete surfaces, gas leakage detection, insulation of pipes and boilers, mobile home site setup and tie-down, posthole digging, radon remediation, scaffolding work, and on-site welding. The other special trade work performed includes new work, additions, alterations, and maintenance and repairs.

The data published with NAICS code 235990 include the following SIC industry:

1799 Special trade contractors, n.e.c. (pt)

Appendix C.

Coverage and Methodology

THE SAMPLE FRAME

The universe for the construction sector includes approximately 650,000 establishments. This includes only those construction establishments with at least one paid employee in 1997. Census reports were mailed to a sample of approximately 130,000 establishments.

The sample frame consisted of the entire construction universe; there were no subpopulations that were explicitly removed from the sample frame. The sample frame was compiled from a list of all construction companies in the active records of the Internal Revenue Service (IRS) and the Social Security Administration (SSA) which are subject to the payment of Federal Insurance Contributions Act taxes. Under special arrangements to safeguard their confidentiality, the U.S. Census Bureau obtains information on the location and classification of the companies, as well as their payroll and receipts data from these sources. Unfortunately, these sources do not provide establishment level information for companies with multiple locations. For multilocation companies, the establishment level information is directly obtained from the U.S. Census Bureau's Company Organization Survey.

While the IRS-SSA list usually provided sufficient classification information to assign a company to the proper economic sector, there were cases for which the information was incomplete or missing. A classification form was mailed to companies with insufficient information to be assigned to an industry. This form requested information on the nature of the company's activities. Companies determined to be in scope of the construction sector subsequent to the census mailout were treated as a supplement to the universe rather than part of the sample frame.

SAMPLE SELECTION

The major objective of the sample design was to provide a sample that would provide reliable estimates for each state and construction industry. A stratified random sample was designed. Within each state by industry cell, six strata were defined.

- Stratum 1 was comprised of approximately 12,000 establishments of companies that had operations of any type at more than one location. These establishments of multiunit companies were included in the construction sample with certainty.
- Strata 2-6 were comprised of single-location companies. For each industry, payroll cut-offs were determined at the U.S. level and used to define the payroll ranges for each of the strata 2-6 across all states.

All establishments in stratum 2 were included in the construction sample with certainty. These consisted of the largest single-location construction companies.

For strata 3-6, a random sample of establishments was selected. The general strategy was to sample the strata containing larger establishments at a higher rate than those containing small establishments. The minimum sample rate was 1 in 20.

For five industries, the U.S. population in the sample frame was quite small. For these industries, all establishments in the sample frame were included in the sample with certainty. These industries were as follows:

- SIC 1622, Bridge, Tunnel, and Elevated Highway Construction Contractors
- SIC 1795, Wrecking and Demolition Work
- SIC 1796, Installation or Erection of Building Equipment, Not Elsewhere Classified
- SIC 7353, Equipment Rental With Operators
- SIC 8741, Construction Management

ESTIMATION AND VARIANCES

Based on the response data, establishments were assigned to the appropriate NAICS industry. At each level of tabulation, unbiased estimates were derived by summing the weighted establishment data where the establishment sample weight was equal to the inverse of its probability of selection for the construction sample.

Variations of the estimated items were derived at the state level, industry, and by stratum using standard stratified random sample formulas. Variations were then aggregated to the publication levels for the computation of the relative standard errors.

RELIABILITY OF THE ESTIMATES

The estimates developed from the sample can differ somewhat from the results of a survey covering all companies in the sample lists but are otherwise conducted under essentially the same conditions as the actual sample survey. The estimates of the magnitude of the sampling errors (the difference between the estimates obtained and the results theoretically obtained from a comparable, complete-coverage survey) are provided by the standard errors of estimates.

The particular sample selected for the construction sector is one of many similar probability samples that, by chance, might have been selected under the same specifications. Each of the possible samples would yield somewhat different sets of results, and the standard errors are measures of the variation of all the possible sample estimates around the theoretically, comparable, complete-coverage values.

Estimates of the standard errors have been computed from the sample data. They are presented in the form of relative standard errors which are the standard errors divided by the estimated values to which they refer.

In conjunction with its associated estimate, the relative standard error may be used to define confidence intervals, or ranges, that would include the comparable, complete-coverage value for specified percentages of all the possible samples.

The complete-coverage value would be included in the range:

- From one standard error below to one standard error above the derived estimate for about two-thirds of all possible samples.
- From two standard errors below to two standard errors above the derived estimate for about 19 out of 20 of all possible samples.
- From three standard errors below to three standard errors above the derived estimate for nearly all samples.

An inference is that the comparable complete-survey result would fall within the indicated ranges and the relative frequencies shown. Those proportions, therefore, may be interpreted as defining the confidence that the estimates from a particular sample would differ from complete-coverage results by as much as one, two, or three standard errors, respectively.

For example, suppose an estimated total is shown at 50,000 with an associated relative standard error of 2 percent, that is, a standard error of 1,000 (2 percent of 50,000). There is approximately 67 percent confidence that the interval 49,000 to 51,000 includes the complete-coverage total, about 95 percent confidence that the interval 48,000 to 52,000 includes the complete-coverage total, and almost certain confidence that the interval 47,000 to 53,000 includes the complete-coverage total.

In addition to the sample errors, the estimates are subject to various response and operational errors: errors of collection; reporting; coding; transcription; imputation for nonresponse, etc. These operational errors also would occur if a complete canvass were to be conducted under the same conditions as the survey. Explicit measures of their effects generally are not available. However, it is believed that most of the important operational errors were detected and corrected during the U.S. Census Bureau's review of the data for reasonableness and consistency. The small operational errors usually remain. To

some extent, they are compensating in the aggregated totals shown. When important operational errors were detected too late to correct the estimates, the data were suppressed or were specifically qualified in the tables.

As derived, the estimated standard errors included part of the effect of the operational errors. The total errors, which depend upon the joint effect of the sampling and operational errors, are usually of the order of size indicated by the standard error, or moderately higher. However, for particular estimates, the total error may considerably exceed the standard errors shown. Any figures shown in the tables of this publication having an associated standard error exceeding 75 percent may be combined with higher level totals, creating a broader aggregate, which then may be of acceptable reliability.

INDUSTRY CLASSIFICATION OF ESTABLISHMENTS

Each establishment covered in the construction sector was classified in one of twenty eight industries in accordance with the industry definitions in the 1997 NAICS (North American Industry Classification System) manual. The U.S. Census Bureau first used NAICS to classify industries for 1997 economic census data. Prior to this the U.S. Census Bureau used SIC (Standard Industrial Classification) for industry classification. The differences between NAICS and SIC are outlined in Appendix A of the 1997 NAICS manual.

In the NAICS system, an industry is generally defined as a group of establishments that use similar processes or have similar business activities. To the extent practical, the system uses supply-based or production-oriented concepts in defining industries. The resulting group of establishments must be significant in terms of number, value added, value of business, and number of employees.

The coding system works in such a way that the definitions progressively become narrower with successive additions of numerical digits. In the construction sector for 1997, there are 3 subsectors (three-digit NAICS), 14 industry groups (four-digit NAICS), and 28 NAICS industries (five- and six-digit NAICS). The five-digit NAICS is supposed to be the level at which there is comparability with the Canadian and Mexican classification systems. However, agreement had not been reached with these countries at the time of the 1997 Economic Census regarding the classification of construction industries. The 28 five- and six-digit NAICS construction industries are the result of an expansion and a restructuring of the 26 four-digit SIC industries of 1987.

ESTABLISHMENT BASIS OF REPORTING

The construction sector is conducted on an establishment basis. A construction establishment is defined as a relatively permanent office or other place of business where the usual business activities related to construction

are conducted. With some exceptions, a relatively permanent office is one which has been established for the management of more than one project or job and which is expected to be maintained on a continuing basis. Such establishment activities include, but are not limited to, estimating, bidding, purchasing, supervising, and operation of the actual construction work being conducted at one or more construction sites. Separate construction reports were not required for each project or construction site.

Companies with more than one construction establishment were required to submit a separate report for each establishment operated during any part of the census year. The construction sector figures represent a tabulation of records for individual establishments rather than for companies.

If an establishment was engaged in construction and one or more distinctly different lines of economic activity at the same place of business, it was requested to file a separate report for each activity, provided that the activity was of substantial size and separate records were maintained. If a separate establishment report could not be prepared for each activity, then a construction report was

requested covering all activities of that establishment providing that the value of construction work exceeded the gross receipts from each of its other activities.

DUPLICATION IN VALUE OF CONSTRUCTION WORK

The aggregate of value of construction work reported by all construction establishments in each of the industry, geographic area, or other groupings contains varying amounts of duplication. This is because the construction work of one firm may be subcontracted to other construction firms and may also be included in the subcontractors' value of construction work. Also, part of the value of construction results from the use of products of nonconstruction industries as input materials. These products are counted in the nonconstruction industry as well as part of the value of construction. Value added avoids this duplication and is, for most purposes, the best measure for comparing the relative economic importance of industries or geographic areas. Value added for construction industries is defined as the dollar value of business done less costs for construction work subcontracted to others and payments for materials, components, supplies, and fuels.

Appendix D. Geographic Notes

Not applicable for this report.

Appendix E. Metropolitan Areas

Not applicable for this report.

Appendix F.

Detailed SIC Code Titles: 1997

[The SIC code title shown in Table 1 is a standard SIC title from the Standard Industrial Classification Manual. A more detailed title description for the SIC code shown in Table 1 is included in this appendix]

| SIC code | Detailed industry title description | SIC code | Detailed industry title description |
|-----------|----------------------------------------------------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------------------------|
| 15 | GENERAL BUILDING CONTRACTORS | 17 | SPECIAL TRADE CONTRACTORS (EXCLUDING LEAD PAINT REMOVAL AND ASBESTOS ABATEMENT)—Con. |
| 152100 | General contractors—single-family houses | 175100 | Carpentry work |
| 152210 | General contractors—hotel and motel construction | 175200 | Floor laying and other floor work, n.e.c |
| 152220 | General contractors—residential buildings, other than single-family, except hotel and motel construction | 176100 | Roofing, siding, and sheet metal work |
| 153110 | Operative builders, single-family housing construction | 177110 | Stucco construction |
| 153120 | Operative builders, multifamily housing construction | 177120 | Concrete work, except stucco construction |
| 153130 | Operative builders, manufacturing and light industrial building construction | 178100 | Water well drilling |
| 153140 | Operative builders, commercial and institutional building construction | 179100 | Structural steel erection |
| 154110 | General contractors—commercial warehouse construction | 179300 | Glass and glazing work |
| 154120 | General contractors—industrial buildings and warehouse construction | 179400 | Excavation work |
| 154200 | General contractors—nonresidential buildings, other than industrial buildings and warehouses | 179500 | Wrecking and demolition work |
| | | 179600 | Installation or erection of building equipment, n.e.c |
| | | 179910 | Paint and wallpaper stripping and wallpaper removal contractors |
| | | 179920 | Tinting glass contractors |
| | | 179940 | All other special trade contractors |
| 16 | HEAVY CONSTRUCTION OTHER THAN BUILDING CONSTRUCTION | 65 | REAL ESTATE—CONSTRUCTION LAND SUBDIVIDERS AND DEVELOPERS |
| 161100 | Highway and street construction, except elevated highways | 655200 | Land subdividers and developers, except cemeteries |
| 162200 | Bridge, tunnel, and elevated highway construction | 73 | BUSINESS SERVICES—CONSTRUCTION EQUIPMENT RENTAL AND LEASING, WITH OPERATOR |
| 162310 | Water, sewer, and pipeline construction | 735320 | Heavy construction equipment rental and leasing, with operator |
| 162320 | Power and communication transmission line construction | 87 | ENGINEERING AND MANAGEMENT SERVICES—CONSTRUCTION MANAGEMENT FOR BUILDINGS AND HEAVY CONSTRUCTION |
| 162910 | Industrial nonbuilding construction | 874121 | Construction management—single-family housing construction |
| 162920 | Other heavy construction | 874122 | Construction management—multifamily housing construction |
| 17 | SPECIAL TRADE CONTRACTORS (EXCLUDING LEAD PAINT REMOVAL AND ASBESTOS ABATEMENT) | 874123 | Construction management—manufacturing and industrial building construction |
| 171100 | Plumbing, heating, and air-conditioning | 874124 | Construction management—commercial and institutional building construction |
| 172100 | Painting and paper hanging | 874131 | Construction management—highway and street construction |
| 173100 | Electrical work | 874132 | Construction management—bridge and tunnel construction |
| 174100 | Masonry, stone setting, and other stone work | 874133 | Construction management—water, sewer, and pipeline construction |
| 174200 | Plastering, drywall, acoustical, and insulation work | 874134 | Construction management—power and communication transmission line construction |
| 174310 | Fresco work | 874135 | Construction management—industrial nonbuilding construction |
| 174320 | Terrazzo, tile, marble, and mosaic work, except fresco work | 874136 | Construction management—all other heavy construction |

