# 1992 Census of Construction Industries 

CC92-A-1

## GEOGRAPHIC AREA SERIES

## New England States

Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont


## Acknowledgments

Many persons participated in the various activities of the 1992 Census of Construction Industries. The overall planning and review of the census operations were performed by the Economic Census Staff of the Economic Planning and Coordination Division.

This report was prepared in the Manufacturing and Construction Division. Barry A. Rappaport, Assistant Chief for Construction and Mineral Census and Related Programs, was responsible for the overall planning, management, and coordination of the census of construction industries. Planning and implementation were under the direction of Patricia L. Horning, Chief, Construction and Mineral Census Branch, with staff assistance by Tamara A. Cole, Jennifer L. Evans, Susan L. Hostetter, and Linda M. Taylor. The sampling plans and variance and estimation specifications were developed by Dennis K. Duke and Michael E. Kornbau. The Systems Support Staff maintained the small computers and assisted in the management of computer output.

Systems and procedures for mailout, receipt, correspondence, data input, industry classification, other clerical processing, administrative-record processing, quality control, and the associated electronic computer programs were developed in the Economic Planning and Coordination Division.

Mailout preparation and receipt operations, clerical and analytical review activities, data keying, and geocoding review were performed by the staff of the Data Preparation Division, Judith N. Petty, Chief.

Geographic coding procedures and associated computer programs were developed by the staff of the Geography Division, Joel Morrison, Chief.

The computer processing systems were developed and coordinated in the Economic Statistical Methods and Programming Division, Charles P. Paulter, Jr., Chief, and Sarah W. Baumgardner, Assistant Chief. Samuel Rozenel, Chief, Current Construction Branch, was responsible for the design and implementation of the computer systems. The computer programs were prepared under the supervision of Leonard S. Sammarco and Kevin J. Montgomery with staff assistance by Linh Diep, Clifton D. Exley, Jongmin Lee, and William T. Neale.

Computer processing was performed in the Computer Services Division, Marvin D. Raines, Chief.

The staff of the Administrative and Customer Services Division, Walter C. Odom, Chief, performed planning, design, composition, editorial review, and printing planning and procurement for the publications and report forms. Bernadette J. Gayle provided publication coordination and editing.

Special acknowledgment is also due the many businesses whose cooperation has contributed to the publication of these data.

If you have any questions concerning the statistics in this report, call 301-457-4680.

## GEOGRAPHIC AREA SERIES

# New England States 

Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont

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## 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.

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

Policymaking agencies of the Federal Government use the data, especially in monitoring economic activity and providing assistance to business.

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 and 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.

## AUTHORITY AND SCOPE

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 1992 Economic Census consists of the following eight censuses:

## - Census of Retail Trade

- Census of Wholesale Trade
- Census of Service Industries
- Census of Financial, Insurance, and Real Estate Industries
- Census of Transportation, Communications, and Utilities
- Census of Manufactures
- Census of Mineral Industries
- Census of Construction Industries

Special programs also cover enterprise statistics and minority-owned and women-owned businesses. (The 1992 Census of Agriculture and 1992 Census of Governments are conducted separately.) The next economic census is scheduled to be taken in 1998 covering the year 1997.

## AVAILABILITY OF THE DATA

The results of the economic census are available in printed reports for sale by the U.S. Government Printing Office and on compact discs for sale by the Census Bureau. Order forms for all types of products are available on request from Customer Services, Bureau of the Census, Washington, DC 20233-8300. A more complete description of publications being issued from this census is on the inside back cover of this document.

Census facts are also widely disseminated by trade associations, business journals, and newspapers. Volumes containing census statistics are available in most major public and college libraries. Finally, State Data Centers in every State as well as business and industry data centers in many States also supply economic census statistics.

## WHAT'S NEW IN 1992

The 1992 Economic Census covers more of the economy than any previous census. New for 1992 are data on communications, utilities, finance, insurance, and real estate, as well as coverage of more transportation industries. The economic, agriculture, and governments censuses now collectively cover nearly 98 percent of all economic activity.

Among other changes, new 1992 definitions affect the boundaries of about a third of all metropolitan areas. Also, the Survey of Women-Owned Businesses has now been expanded to include all corporations.

## HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5 -year intervals since 1967 and before that for 1963, 1958, and 1954. Prior to that time, the individual subcomponents 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 1840 and subsequent censuses to include mining and some commercial activities. In 1902, Congress established a permanent Census Bureau and directed that a census of manufactures be taken every 5 years. The 1905 Manufactures Census was the first time a census was taken apart from the regular every-10-year population census.

The first census of business was taken in 1930, covering 1929. Initially it covered retail and wholesale trade and construction industries, but it was broadened in 1933 to include some of the service trades.

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 Enterprise Statistics Program, which publishes combined data from the economic census, was made possible with the implementation of the integrated census program in 1954.

The range of industries covered in the economic censuses has continued to expand. The census of construction industries began on a regular basis in 1967, and the scope of service industries was broadened in 1967, 1977, and 1987. The census of transportation began in 1963 as a set of surveys covering travel, transportation of commodities, and trucks, but expanded in 1987 to cover business establishments in several transportation industries. For 1992, these statistics are incorporated into a broadened census of transportation, communications, and utilities. Also new for 1992 is the census of financial, insurance, and real estate industries. This is part of a gradual expansion in coverage of industries previously subjected to government regulation.

The Survey of Minority-Owned Business Enterprises was first conducted as a special project in 1969 and was incorporated into the economic census in 1972 along with the Survey of Women-Owned Businesses.

An economic census has also been taken in Puerto Rico since 1909, in the Virgin Islands of the United States and Guam since 1958, and in the Commonwealth of the Northern Mariana Islands since 1982.

Statistical reports from the 1987 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 data published since 1967 are still available for sale on microfiche from the Census Bureau.

## AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

While the census provides complete enumerations every 5 years, there are many needs for more frequent data as well. The Census Bureau conducts a number of monthly, quarterly, and annual surveys, with the results appearing in publication series such as Current Business Reports (retail and wholesale trade and service industries), the Annual Survey of Manufactures, Current Industrial Reports, and the Quarterly Financial Report. Most of these surveys, while providing more frequent observations, yield less kind-of-business and geographic detail than the census. The County Business Patterns program offers annual statistics on the number of establishments, employment, and payroll classified by industry within each county.

## 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 1992 Economic Census and Related Statistics. More information on the methodology, procedures, and history of the censuses will be published in the History of the 1992 Economic Census. Contact Customer Services for information on availability.

## Census of Construction

## GENERAL

The 1992 Census of Construction Industries covers all employer establishments (establishments with payroll) primarily engaged in contract construction or construction on their own account for sale as defined in the Standard Industrial Classification Manual: 1987 (SIC). This industrial classification system has been developed by experts on classification in government and private industry under the guidance of the Office of Management and Budget and is in general use among government agencies and among organizations outside the government.

Contract construction. The SIC manual defines construction in three broad types of activity:

1. Building construction by general contractors or by operative builders. General building contractors are primarily engaged in the construction of dwellings, office buildings, stores, farm buildings, and other building projects. Operative builders who build on their own account for sale are also included here. However, investment builders who build structures on their own account for rent are classified in Real Estate.
2. Heavy construction general contractors. Heavy construction general contractors are primarily engaged in the construction of highways, bridges, pipelines, sewers and water lines, marine construction, power, and petro-chemical plants and other nonbuilding construction projects. Special trade contractors are classified in heavy construction, if they are specifically engaged in the following activities: grading for highway and airport runways; guardrail construction; installation of highway signs; asphalt and concrete construction of roads, highways, streets, and public sidewalks; trenching, cable laying; conduit construction; underwater rock removal; pipeline wrapping; or land clearing and leveling.
3. Construction by other special trade contractors. These contractors include plumbers, painters, carpenters, electricians, brick layers, roofers, etc. For the most part, they perform their work at the site of construction, although they may also have shops where they perform work incidental to the job site.
[^0]General contractors in both the building and the heavy construction field usually assume responsibility for an entire construction project, but may subcontract to others all of the actual construction work or those portions of the project requiring special skills or equipment. Special trade contractors may work for general contractors, for other subcontractors, or may work directly for the owner of the property.

Each establishment receiving a questionnaire was requested to report the percent of total dollar value of business done for each kind-of-business activity engaged in during 1992. This information was used for the computer assignment of appropriate industry classifications. During this work, various tests were also made using other data reported on the questionnaire. The proportion of construction work to total business was checked to verify that the establishment was primarily in construction. Also taken into consideration were the types of structures worked on during the year and the extent of work undertaken for other contractors.

Construction establishments often engage in various construction activities. It is necessary, however, to assign a single industry code to the establishment based on its major activity. Therefore, the statistics shown for an industry reflect not only the primary activity of the establishments in the industry but also their secondary activities. The industry reports, however, do present data on the extent of secondary activities.

Prior to 1992, this census also included one industry classified in the Real Estate area, SIC 6552, Land Subdividers and Developers, Except Cemeteries. This industry is covered in the 1992 Census of Financial, Insurance, and Real Estate Industries.

## ESTABLISHMENT BASIS OF REPORTING

The census of construction industries 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 all or any part of 1992. The census of construction industries figures represent a summary 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 (wholesale or retail trade, service, manufacturing, mining, etc.) 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 or substantially accurate estimates could be prepared.

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 1992 value of construction work exceeded the gross receipts from each of its other activities.

Construction businesses with no payroll during 1992 (nonemployers) were not required to file census reports. Tabulation of data for these businesses are based on administrative records and are shown only in U.S. summary publications and the geographic area reports series. Refer to the section on "Sample Design" for details. Foreign construction activities were not included in this census.

## SAMPLE DESIGN, ESTIMATION PROCEDURES, AND RELIABILITY OF ESTIMATES

The companies included in the 1992 Census of Construction Industries were identified as part of an operation common to all 1992 Economic Censuses. Construction companies were divided into employers (companies with payroll) and nonemployers (companies without payroll). Statistical information for the employers was obtained in the census by a survey which included all medium size and large employers and a sample of the smaller ones. Census reports were not required from the nonemployers. Statistics on nonemployers were obtained from administrative records of other agencies of the Federal Government.

## Employer Companies

Developing the sampling frame for employer companies. This operation started with obtaining a list of all construction companies in the active records of the Internal Revenue Service (IRS) which were subject to payment of Federal Insurance Contributions Act (FICA) taxes. The basic source for this list has been the Internal Revenue Service Business Master File, a comprehensive list of companies engaged in business activities in the United States. The file contains the name, address, and form of
ownership of each company and also indicates whether or not the company is subject to the FICA. Each company in this file is assigned a unique employer identification (EI) number which it uses in filing its various reports with the IRS. The Social Security Administration (SSA) maintains a similar list using the same identification numbers, which also contains information on the industrial classification of each company. The Bureau of the Census obtained both of these lists and combined them.

Under special arrangements which safeguarded the confidentiality of the information, the Bureau also obtained administrative-record data on payrolls and receipts and added these data to the combined list. The list, thus created from the IRS-SSA information, was a list of employer companies. However, for the 1992 Economic Census the basic reporting unit is the "establishment." Therefore, steps were taken to identify the individual establishments of those companies which operate more than one place of business. The information for making this determination was obtained by means of the Company Organization Survey (COS), an annual canvass of all known multiestablishment companies and large single-establishment companies. Thus, the 1992 Economic Census list for singleestablishment employer companies was obtained from the IRS-SSA, but the list of establishments of multiestablishment employer companies was obtained directly from those companies in the COS. Refer to the section on "Establishment Basis for Reporting" for details.

In general, the IRS-SSA list provided sufficient industrial classification data to assign a company to the proper economic census, but there were a number of companies for which this information was inadequate or unavailable. A special form, NC-9923, General Schedule, was mailed to all such companies, requesting information on the nature of the company's activities. From the information reported, the company was given an industrial classification code and assigned to the appropriate economic census. Since construction companies found in this way were identified only after the regular census mailing had taken place, they were treated as a supplement to the basic list.

Selecting the employer sample. The sample was designed to provide reliable State and metropolitan area estimates for each construction industry. It consisted of all construction establishments in multiestablishment companies, all single-establishment companies with 1991 administrative payroll of $\$ 480,000$ or more and a probability sample of single-establishment companies with payroll under that amount. Supplementing the sample were construction companies identified from the NC-9923, General Schedule. Also affecting the sample were the misclassified companies; i.e., companies included in the samples of other trade areas which reported they were construction companies and companies originally classified in construction which reported they were not construction companies.

Of the 547,000 single-establishment employer companies initially classified as construction companies, 158,000 were included in the sample. All of the 11,000 establishments of multiestablishment companies were included in
the sample. There was a net increase in the sample of 48,000 establishments resulting from establishments originally unclassified (receiving the NC-9923) or misclassified.

The probability sample of the smaller single-establishment companies was a stratified random sample. Strata were formed from all establishments with the same initial fourdigit SIC code, in the same State, in the same metropolitan area, or in the balance of the State, and in the same size class based on estimated total employment. If the fourdigit SIC code for an establishment was incomplete, the establishment was placed in a stratum for miscellaneous companies. Because they were small, all companies were included in the sample for the following three industries: SIC 1622, Bridge, Tunnel, and Elevated Highway Construction Contractors; SIC 1795, Wrecking and Demolition Work Special Trade Contractors; and SIC 1796, Installation or Erection of Building Equipment Special Trade Contractors.

Estimation procedures for 1992 and 1987 data. Since all larger employer companies and some smaller ones were included in the census, sample estimation was required only for the universe of companies not selected with certainty. The published statistics are the totals of the estimates for the sampled companies and the aggregates for the certainty companies. All estimates for 1992 and 1987 published here are simple unbiased estimates of the form:

$$
\begin{aligned}
& \quad n_{c} \\
& x_{c}^{\prime}=\Sigma x_{i} / p_{i} \\
& i=1
\end{aligned}
$$

where: $x_{c}$ is the simple unbiased estimate of a characteristic for a publication cell.
$x_{i}$ is the reported value of a characteristic for an individual establishment in the publication cell.
$p_{i}$ is the selection probability of that firm.
$n_{c}$ is the number of firms in the sample for the cell.

Data for certain characteristics were reported as a percentage of the dollar value of business done. Before this formula was applied to those characteristics, it was necessary to convert the reported percentages into dollars.

Reliability of employer statistics. Since the estimates for employer establishments in these reports are based on the samples, they are subject to sampling variability and may be expected to differ from results which would have been obtained if a complete census had been taken using the same forms and procedures. The sampling errors shown in the tables were estimated directly from the sample reports, using methods appropriate for the sample design and form of estimation used. The relative standard error is a measure of sampling variability; i.e., the variation that might occur by chance because only a sample of the population is surveyed. As calculated for this report, the
relative standard error also partially reflects the effect of random errors of response and processing, but it does not take into account the effect of any consistent biases due to those types of errors. The chances are about 68 out of 100 that an estimate from the sample would differ from a complete census by less than the relative standard error. The chances are about 95 out of 100 that the difference is less than twice the relative standard error and about 99 out of 100 that it is less than 2-1/2 times the relative standard error. Individual estimates with large relative standard errors have been shown in the published tables. Any such estimates should be used with caution. The very large relative standard errors generally occur for the smaller estimates.

Relative standard errors have been calculated for all of the published statistics, although they are shown for each statistic only in the tables presenting detailed statistics. Other tables show relative standard errors only for certain characteristics because of lack of space.

As calculated for this report, the relative standard error measures certain nonsampling errors, but does not measure any systematic biases in the data. Bias is the difference, averaged over all possible samples with the same size and design, between the estimates and the true value being estimated. Nonsampling errors can be attributed to many sources: inability to obtain information about all cases in the sample; definitional difficulties; differences in interpretation of questions; inability or unwillingness of respondents to provide correct information; and errors made in processing the data. Although no direct measurements of the biases have been obtained, it is believed that most of the important response and operational errors were detected in the course of reviewing the data for reasonableness and consistency.

A potential source of bias is in the imputation for those establishments that have not responded by the time of final publication. Data were estimated for establishments that did not report by that date, although selected establishments were contacted again to obtain as much information on the telephone as possible. Some publication cells in which more than 40 percent of the data were not reported have been suppressed.

## Nonemployer Companies

As described earlier, the information derived from the business income tax returns of all companies was matched to the census employer file on the basis of common identification numbers. Those business income tax returns which could not be matched were further classified on the basis of several characteristics. Returns with characteristics consistent with companies without payroll were treated as nonemployers. The nonemployer construction companies were not required to file census reports.

For "number of establishments," each separate income tax return was assumed to be an establishment. "All business receipts" was based on receipts information reported on the tax return.

Since no sampling was involved in the nonemployer establishments, the statistics for nonemployers are not subject to sampling variability. However, these data are subject to an unknown amount of reporting and processing errors which could not be detected by the Census Bureau.

One such "nonsampling" issue was raised in the processing of the 1992 statistics. For 1992, a relatively small number of nonemployer records with revenues more than $\$ 1$ million were excluded from tabulations. The exclusion of these records resulted in a significant decrease in total nonemployer revenues from 1987, where no upper limit was used. The large revenues are now assumed to be unreasonable for firms without employees. It is also likely that these revenues are duplicated in revenues reported by (or imputed to) firms with paid employees. A comprehensive study of this issue is planned prior to the 1997 census.

## CENSUS REPORT FORMS

Information for the 1992 Census of Construction Industries was obtained from employer establishments primarily through the use of 22 questionnaires, determined by industry classification and size. Standard forms and short forms were developed for each of the following SIC groups: 15, 16, 171, 172, 173, 174, 175, 176, 177, 178, and 179. Establishments with 1991 administrative payroll of $\$ 1,080,000$ or more all received the standard form. For those sample establishments with payroll under that amount, half received the standard form and half received the short form. The short forms covered only major items and omitted some of the detail found in the longer forms.

In reviewing and developing the questionnaires, comments and recommendations were elicited from construction trade associations and advisory groups.

Also, approximately 6,000 establishments in SIC's 1521, 1629, and 1799 were surveyed in the Census of Construction Industries 1989 Pretest. This survey consisted of four panels which received one of four experimental questionnaries and one panel which received the control questionnaire. Along with the questionnaire, these establishments received an evaluation questionnaire, which requested information about respondents' reactions to the questionnaire, problems in completing the questionnaire, and how long it took to complete the questionnaire. Results from the 1989 Pretest questionnaire are reflected as reworded questions, improved instructions, and restructured value of business questions in the 1992 questionnaires.

## DATA PROCESSING

The 1992 census report forms were mailed out in December 1992. They were mailed from and returned to the Census Bureau's Data Preparation Division in Jeffersonville, IN , where routine editing and coding of the report forms were also accomplished. Collection of these report forms was essentially completed in July 1993.

The returned reports underwent extensive processing. A preliminary edit done at the time of data entry identified obviously deficient reports and reports needing clarification. When necessary, these problems were resolved by further contact with the respondents. Next, the data were transmitted to Census Bureau headquarters near Washington, DC.

Data records, then, underwent a detailed computer review and analysis. The records containing significant problems were referred for further analytical review and, if necessary, contacts were made with the respondents. The computer performed most classification coding (such as industry coding, geographic coding, and size coding), and imputation for missing items or for reports not received in time for tabulation. The imputation was performed on an industry (or industry group) and State (or geographic group) basis using all available response and administrative data.

The data records were then tabulated on an industry basis. Industry totals were subjected to analytical review, and selected statistics were prepared for the preliminary reports. Corrections resulting from this review were made to the computer records and final tabulations were produced.

The review of a preliminary report for an industry often uncovered the need for corrections or revisions to the data for another industry for which a preliminary report had already been published. The final reports incorporate all revisions and corrections made during the review of the preliminary reports and contain considerable more data than were published in those reports.

## GEOGRAPHIC CLASSIFICATION

Information for the 1992 Census of Construction Industries' final industry report series is classified on the basis of two types of geographic distributions: (1) physical location of the establishment, and (2) location of construction work. A separate code was assigned on each basis allowing us to present data by both physical location of the establishment and location of construction work.

The geographic area reports series presents similar data by industry for each State (physical location of the establishment) and for selected MSA's, CMSA's and PMSA's.

## CHANGE IN COLLECTION METHODOLOGY FOR VALUE OF CONSTRUCTION WORK DONE

In 1987 and 1992, the "value of construction work" was collected to better measure actual construction activity done during the year. In 1992, this item was collected as a total of three separate items. These items (receipts from construction contract work, value of speculative construction work, and value of construction work done for own use) were collected separately to emphasize construction activity that had been poorly reported in previous censuses.

Receipts from the sale of land were not collected separately in 1992, as in 1987, but are still excluded from the value of construction work done.

All dollar values are shown in current dollars for the years specified and have not been adjusted for inflation.

## DUPLICATION IN VALUE OF CONSTRUCTION WORK

The aggregate of value of construction work reported by all construction establishments in each of the several industry, geographic area, or other groupings in this census contains varying amounts of duplication, since 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. To avoid this duplication, a "net" value of construction work figure has been derived for each establishment by subtracting the costs for construction work subcontracted to others from the value of construction work.

Duplication in value of business between other construction and nonconstruction industries results from the use of products of these other industries as input materials by construction establishments. "Value added" avoids this duplication and is, for most purposes, the best measure for comparing the relative economic importance of industries or areas. "Value added" is defined in the 1992 Census of Construction Industries as equal to dollar value of business done less costs for construction work subcontracted to others and payments for materials, components, supplies, and fuels.

## SPECIAL TABULATIONS

Special tabulations of data collected in the 1992 Census of Construction Industries may be obtained on computer tape or in tabular form. The data will be in summary form and 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) as are the regular publications.

Special tabulations are prepared on a cost basis. A request for a cost estimate, as well as exact and detailed specifications of the type and format of the data to be provided, should be directed to the Chief, Manufacturing and Construction Division, Bureau of the Census, Washington, DC 20233.

To discuss a special tabulation before submitting specifications, call 301-457-4680.

## COMPARABILITY OF CENSUS OF CONSTRUCTION INDUSTRIES DATA WITH OTHER DATA

Data contained in the reports of the 1992 Census of Construction Industries are not the same as the data published in the Census Bureau's monthly Construction

Reports, Series C30, Value of New Construction Put in Place. The main difference is that the C30 series covers all new construction put in place without regard to who is performing the construction activity; whereas, the construction census figures cover both new construction and maintenance and repair work done by establishments classified in the construction industry. Significant amounts of construction are done by establishments classified outside of construction (in real estate, manufacturing, utilities, and communications, for example), both as "force account" construction and construction done for others. In addition, the value in place series includes constructionrelated expenses such as architectural and engineering costs and the costs of materials supplied by owners which are normally not reflected in the census of construction industries.

Data contained in the reports of the census of construction industries 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.

## ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in this publication:

* $\quad$ Sampling error exceeds 40 percent.
** Represents the sum of all employees during pay periods including 12th of March, May, August, and November, divided by 4.
- Represents zero.
$\dagger$ Represents value of construction work less costs for construction work subcontracted to others. (See Duplication in Value of Construction Work.)
$\dagger \dagger \quad$ Represents dollar value of business done less costs for construction work subcontracted to others and costs for materials, components, supplies, and fuels. In 1987, for SIC 1531, land receipts were collected as a component of dollar value of business and, therefore, were subtracted from this value. (See Duplication in Value of Construction Work.)
(D) Withheld to avoid disclosing data for individual companies; data are included in higher level totals.
(NA) Not available.
(X) Not applicable.
(Z) Less than half of the unit shown.
n.s.k. Not specified by kind.


# Users' Guide for Locating Statistics in This Report by Table Number 

| Statistics | By State | By industry | By employment size | By size class of dollar value of business done | By CMSA, PMSA and MSA |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Assets and depreciation (gross book value): |  |  |  |  |  |
| Beginning of year-buildings, machinery, and equipment | 4 |  |  |  |  |
| End of year-total. . . . . . . . . . . . . . . . . . . . . . . | 2, 4 | 2 | 6 | 7 |  |
| End of year-buildings, machinery, and equipment | 4 |  |  |  |  |
| Depreciation charges during yearbuildings, machinery, and equipment | 4 |  |  |  |  |
| Capital expenditures: |  |  |  |  |  |
| Total capital expenditures | 2, 4 | 2 | 6 | 7 | 11 |
| New buildings-machinery and equipment | 4 |  |  |  |  |
| Used buildings-machinery and equipment. | 4 |  |  |  |  |
| Communication services, costs for | 3 |  |  |  |  |
| Employees: |  |  |  |  |  |
| All employees-average number | 1, 2, 3 | 2 | 6 | 7 | 11 |
| Construction workers-average number. | 2, 3, 9 | 2, 9 |  |  |  |
| Construction workers-quarterly | 3, 9 | 9 |  |  |  |
| Other employees-average number | 3 |  |  |  |  |
| Other employees-quarterly . | 3 |  |  |  |  |
| Establishments: |  |  |  |  |  |
| Number in business during year: |  |  |  |  |  |
| All | 1 |  |  |  |  |
| With payroll. | 1, 2, 3, 5, 9 | 2, 9 | 6 | 7 | 11 |
| Without payroll | 1 |  |  |  |  |
| Fringe benefits-legally required and voluntary expenditures. |  |  |  |  |  |
| Inventories | 5 |  |  |  |  |
| Materials, components, supplies, and fuels-costs for | 2, 3 | 2 | 6 | 7 | 11 |
| Ownership—private or government owned | 3 |  |  |  |  |
| Payroll: |  |  |  |  |  |
| First-quarter, all employees. | 3 |  |  |  |  |
| Annual: |  |  |  |  |  |
| All employees. | 2, 3 | 2 | 6 | 7 | 11 |
| Construction workers | 2, 3 | 2 |  |  |  |
| Other employees | 3 |  |  |  |  |
| Power, fuels, and lubricants-costs for. | 3 |  |  |  |  |
| Proprietors and working partners: |  |  |  |  |  |
| All establishments . . . | 1 |  |  |  |  |
| Establishments with payroll. | 1, 3 |  |  |  |  |
| Establishments without payroll | 1 |  |  |  |  |
| Ratios, selected industry | 10 | 10 |  |  |  |
| Receipts and value: |  |  |  |  |  |
| Dollar value of business done: |  |  |  |  |  |
| All establishments. | 1 |  |  |  |  |
| Establishments with payroll | 1, 3 |  | 6 | 7 |  |
| Establishments without payroll |  |  |  |  |  |
| Value of construction work, total | 2, 3, 5, 8 | 2 | 6 | 7 | 11 |
| For work subcontracted in from others. | 2, 3 | 2 |  |  |  |
| Other business receipts . . | 3 |  |  |  |  |



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## Summary of Findings

This report provides results from the 1992 Census of Construction Industries for Connecticut. The report includes data for construction establishments with payroll and shows limited data for establishments with no payroll (nonemployers). (Establishments with no payroll are, for the most part, companies owned and operated by a single person.)

Establishments covered in this report were primarily engaged in contract construction or construction on their own account for sale, as defined in the 1987 Standard Industrial Classification (SIC) Manual. ${ }^{1}$ The SIC Manual defines construction in three broad types: (1) building construction by general contractors or operative builders; (2) heavy construction (highways, power plants, etc.) done by general contractors and selected special trade contractors; and, (3) construction done by special trade contractors such as electricians, plumbers and painters.

During 1992, there were 29,958 establishments in this State operating in the construction industries. These establishments accounted for $\$ 8.1$ billion in total dollar value of business done.

Most of the 29,958 construction establishments were small. Of the total, 21,130 were nonemployers, and over half of the employer establishments had less than 5 employees. The 2,777 construction establishments with 5 employees or more, while representing only 9 percent of all establishments, accounted for more than 75 percent of the total dollar value of business done.

## ESTABLISHMENTS WITH PAYROLL

During 1992, the establishments with paid employees accounted for $\$ 7.3$ billion in total dollar value of business done. Of this amount, $\$ 7.1$ billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to $\$ 1.8$ billion, leaving net value of construction work of $\$ 5.4$ billion. In addition, these establishments paid out $\$ 2.3$ billion for the cost of materials, fuels, power, rental of equipment and buildings,

[^2]and the cost of selected purchased services. Value added for 1992 was $\$ 3.4$ billion. (See Introduction and appendixes for explanation of terms.)

There were 8,828 establishments with total employment averaging 55,314 during the year. Total payroll for 1992 was $\$ 1.7$ billion.

The data in this report covering establishments with payroll were obtained from a sample survey. 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. A separate census report was required from each sample establishment covering domestic operations. Separate reports were not required for each project or construction site.

For 1987 and earlier censuses, receipts from the sale of land were collected separately for general contractors and operative builders. These receipts were included in the total dollar value of business done, but excluded from the value of construction work done. For 1992, receipts from the sale of land were not collected separately, but are still excluded from the value of construction work done. All dollar values are shown in current dollars for the years specified and have not been adjusted for inflation.

Since the data in this report covering employer establishments are estimated from a sample survey, they are subject to sampling variability, as well as errors of response and nonreporting. The relative standard errors shown in the tables are measures of sampling variability. Descriptions of the sampling, estimating procedures, and data reliability are included in the Introduction.

## ESTABLISHMENTS WITHOUT PAYROLL

During 1992, there were 21,130 establishments with no payroll classified as construction. According to administrative records of the Federal Government, their dollar value of business done during 1992 was $\$ 870$ million. Most of these establishments, about 84 percent, were special trade contractors.

For the establishments without payroll, only information on total value of business done was available from administrative records. Statistics on establishments without payroll are shown in table 1 of this report.

Figure 1. Value of Construction Work by Type of Construction
(Percent)


Figure 2. Selected Costs per Dollar Value of Business Done


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1992 and 1987

| $\underset{\text { code }}{\text { SIC }}$ | Industry | All establishments |  |  |  | Establishments without payroll |  |  | Establishments with payroll |  |  |  | Relative standard error of estimate (percent) for column- |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Number | Proprietors and working partners | $\begin{array}{r} \text { All em- } \\ \text { ployees }^{* *} \end{array}$ | Dollar value of business done | Number | Proprietors and working partners | Dollar value of business done $^{1}$ | Number | Proprietors and working partners | All employees** | Dollar value of business done |  |  |
|  |  | A | B | C | D | E | F | G | H | 1 | J | K | J | K |
|  | 1992 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries .--------- | 29958 | 23376 | 55314 | 8121558 | 21130 | 20638 | 869549 | 8828 | 2738 | 55314 | 7252009 | 1 | 1 |
| 15 | Building construction-General contractors and operative builders | 5715 | 3469 | 11560 | 2884643 | 3283 | 2839 | 330626 | 2432 | 630 | 11560 | 2554017 | 2 | 2 |
| 16 | Heavy construction other than building construction-contractors $\qquad$ | 644 | 245 | 9982 | 1588452 | 186 | 166 | 8461 | 458 | 79 | 9982 | 1579991 | 1 | 1 |
| 17 | Special trade contractors | 23599 | 19662 | 33772 | 3648463 | 17661 | 17633 | 530462 | 5938 | 2029 | 33772 | 3118001 | 1 | 1 |
| 1711 | Plumbing, heating, and air-conditioning -- | 2608 | 1631 | 7665 | 861643 | 1372 | 1363 | 54952 | 1236 | 268 | 7665 | 806691 | 3 | 2 |
| 1731 | Electrical work------------------------- | 2416 | 1606 | 6009 | 611739 | 1412 | 1350 | 36950 | 1004 | (S) | 6009 | 574789 | 2 | 2 |
|  | 1987 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries ${ }^{2}$--------- | 34081 | 25401 | 89494 | 12021367 | 23326 | 23014 | 2111457 | 10755 | 2387 | 89494 | 9909910 | 1 | 1 |
| 15 | Building construction-General contractors and operative builders $\qquad$ | 7492 | 4386 | 25587 | 5237886 | 4297 | 3765 | 706501 | 3195 | 621 | 25587 | 4531385 | 2 | 2 |
| 16 | Heavy construction other than building construction-contractors $\qquad$ | 731 | 240 | 12698 | 1367265 | 152 | 144 | 21398 | 579 | 96 | 12698 | 1345867 | 2 | 1 |
| 17 | Special trade contractors .------------- | 24796 | 19802 | 50352 | 4710338 | 18005 | 18179 | 790069 | 6791 | 1623 | 50352 | 3920269 | 1 | 1 |
| 1711 | Plumbing, heating, and air-conditioning -- | 2536 | 1487 | 11107 | 1030821 | 1251 | 1242 | 73137 | 1285 | 245 | 11107 | 957684 | 2 | 2 |
| 1731 | Electrical work--------------------------- | 2085 | 1243 | 8534 | 692060 | 1068 | 1067 | 45609 | 1017 | 176 | 8534 | 646451 | 2 | 2 |

${ }^{1}$ For 1992, nonemployer records showing revenues greater than $\$ 1$ million were excluded. See Introduction text.
${ }^{2}$ Includes data for "Land Subdividers and Developers," SIC 6552.

Table 2. General Statistics for Establishments With Payroll by Industry: 1992 and 1987
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| $\begin{gathered} \text { SIC } \\ \text { code } \end{gathered}$ | Industry | 1992 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Employees** |  |  | Payroll |  | Value of construction work | Net value of construction work $\dagger$ | Value added $\dagger \dagger$ |
|  |  | Number of establishments | All | Construction workers | All <br> employees | Construction workers |  |  |  |
|  |  | A | B | C | D | E | F | G | H |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries ${ }^{1}$ | 8828 | 55314 | 41211 | 1679071 | 1139678 | 7142704 | 5351737 | 3399181 |
| 15 | Building construction-General contractors and operative builders: |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 152 \\ & 1521 \end{aligned}$ | General contractors, residential buildings: <br> Single-family houses | 1646 | 5149 | 3717 | 112452 | 74816 | 628974 | 449255 | 237053 |
| 1522 | Other residential buildings---------------- | 69 | 276 | 216 | 6373 | 3840 | 49096 | 27541 | 14235 |
| 1531 | Operative builders | 230 | 997 | 519 | 28882 | 12392 | 285748 | 196161 | 131226 |
| $\begin{aligned} & 154 \\ & 1541 \\ & 1542 \end{aligned}$ | General contractors, nonresidential buildings: Industrial buildings and warehouses $\qquad$ Nonresidential buildings, n.e.c. | 73 414 | 721 4419 | 504 2844 | 22798 160790 | 12903 91627 | 237991 1314341 | 100524 469475 | 74116 246816 |
| 16 | Heavy construction other than building constructioncontractors: |  |  |  |  |  |  |  |  |
| 1611 | Highway and street construction - | 163 | 2985 | 2375 | 103029 | 75596 | 470350 | 380721 | 185168 |
| 162 1622 | Heavy construction, except highway: Bridge, tunnel, and elevated highway construction | 26 | 1167 | 921 |  | 29437 | 182422 |  | 92845 |
| 1623 | Water, sewer, and utility lines------------------------------- | 105 | 1437 | 1063 | 56183 | 37437 | 180139 | 122811 | 86127 |
| 1629 | Heavy construction, n.e.c.------------------------------------------ | 164 | 4392 | 3132 | 188644 | 120887 | 723205 | 663463 | 551718 |
| 17 | Special trade contractors: |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and air-conditioning --------------------- | 1236 | 7665 | 5448 | 238989 | 163517 | 795322 | 694815 | 413725 |
| 1721 | Painting and paper hanging ----------------------------------- | 542 | 1948 | 1629 | 42674 | 33390 | 113843 | 108973 | 84908 |
| 1731 | Electrical work ----------------------------------------------- | 1004 | 6009 | 4576 | 191330 | 135729 | 570551 | 551858 | 326834 |
| $\begin{aligned} & 174 \\ & 1741 \end{aligned}$ | Masonry, stonework, tile setting, and plastering: Masonry, stone setting, and other stonework. | 369 | 1879 | 1607 | 48780 | 38564 | 140726 | 131984 | 89230 |
| 1742 | Plastering, drywall, and insulation work .--- | 215 | 1966 | 1568 | 57828 | 41741 | 166660 | 153035 | 99535 |
| 1743 | Terrazzo, tile, marble, and mosaic work--------------------- | 72 | 208 | 169 | 5602 | 4219 | 20071 | 19786 | 11816 |
| 175 | Carpentry and floor work: |  |  |  |  |  |  |  |  |
| 1751 | Carpentry --------------------------------------------- | 683 | 2098 | 1710 | 41496 | 32010 | 158303 | 139826 | 87156 |
| 1752 | Floor laying and other floor work---------------------------- | 141 | 745 | 544 | 19507 | 11740 | 80887 | 70031 | 45258 |
| 1761 | Roofing, siding, and sheet metal work ----------------------- | 353 | 2406 | 1872 | 68830 | 46739 | 234288 | 210817 | 126458 |
| 1771 | Concrete work ----------------------------------------------- | 356 | 1512 | 1246 | 34411 | 25933 | 106711 | 99597 | 66308 |
| 1781 | Water well drilling ------------------------------------------- | 41 | 200 | 150 | 5749 | 4531 | 19184 | 18636 | 10028 |
| 179 1791 | Miscellaneous special trade contractors: <br> Structural steel erection. | 53 | 549 | 408 | 17171 | 11642 | 61061 | 51962 | (D) |
| 1793 | Glass and glazing work --------------------------------------------------------- | 75 | 371 | 221 | 9451 | 5288 | 34965 | 31848 | 18432 |
| 1794 |  | 303 | 1898 | 1511 | 56141 | 43112 | 206001 | 185247 | 132751 |
| 1795 | Wrecking and demolition work ----------------------------------------------- | 14 | 119 | 89 | 2688 | 1741 | 10321 | 9977 | (D) |
| 1796 | Installing building equipment, n.e.c.--------------------------- | 48 | 1020 | 790 | 26813 | 19769 | 73544 | 71372 | 58541 |
| 1799 | Special trade contractors, n.e.c. --------------------------- | 433 | 3179 | 2381 | 89065 | 61077 | 278001 | 249091 | 177606 |

${ }^{1}$ For 1987, includes data for "Land Subdividers and Developers," SIC 6552. For 1992, SIC 6552 data are included in the Census of Financial, Insurance, and Real Estate Industries.


Table 3. Detailed Statistics for Establishments With Payroll: 1992 and Earlier Census Years
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Item | 1992 | 1987 | 1982 | 1977 | Relative standard error of estimate (percent) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 1992 | 1987 | 1982 | 1977 |
|  | 8828 | 10755 | 7202 | 7473 | 1 | 1 | 2 | 3 |
| Proprietors and working partners | 2738 | 2387 | 2257 | 3549 | 3 | 5 | 4 | 5 |
|  | 55314 | 89494 | 61233 | 50517 | 1 | 1 | 1 | 1 |
| Construction workers: | 34657 | 62409 | 44996 | 32607 | 1 | 1 | 1 | 1 |
| May ---- | 41967 | 72190 | 52721 | 43386 | 1 | 1 | 1 | 1 |
| August | 45533 | 74988 | 53022 | 46053 | 1 | 1 | 1 | 1 |
| November | 42688 | 71498 | 49970 | 44908 | 1 | 1 | 1 | 1 |
| Average | 41211 | 70271 | 50924 | 41805 | 1 | 1 | 1 |  |
| Other employees: |  |  |  |  |  |  |  |  |
| March----- | 13974 | 18825 | 10273 | 8287 | 1 | 1 | 2 | 2 |
| May --- | 14046 | 19047 | (NA) | (NA) | 1 | 1 | (NA) | (NA) |
| August --- | 14143 14247 | 19575 | (NA) | (NA) | 1 | 1 | (NA) | (NA) |
| November Average | 14247 14103 | 19446 19223 | (NA) | (NA) | 1 1 | 1 | (NA) (NA) | (NA) (NA) |
| Payroll, all employees | 1679071 | 2267162 | 1166941 | 678317 | 1 | 1 | 1 | 1 |
| Payroll, construction workers | 1139678 | 1587610 | 936845 | 537336 | 1 | 1 | 1 | 1 |
| Payroll, other employees .-- | 539393 | 679551 | 230095 | 140981 | 1 | 1 | 1 | 1 |
|  | 347737 | 476999 | 251917 | 131837 | 1 | 1 | 1 | 1 |
| Fringe benefits, all employees | 435214 | 530992 | 221813 | 130036 | 1 | 1 | 1 |  |
| Legally required expenditures | 266149 | 353932 | 169002 | 78092 | 1 | 1 | 1 | 1 |
| Voluntary expenditures------ | 169065 | 177059 | 52810 | 51945 | 1 | 1 | 1 | 1 |
| Dollar value of business done | 7252009 | 9909910 | 4193644 | 2623870 | 1 | 1 | 1 | 1 |
| Value of construction work | 7142704 | 9549266 | 4052488 | 2533900 | 1 | 1 | 1 | 1 |
| Value of construction work subcontracted in from others | 1776097 | 2268914 | 985636 | 527921 | 2 | 2 | (Z) | (Z) |
| Other business receipts .-- | 109306 | 179984 | 117125 | 89970 | 4 | 3 | 1 |  |
|  | 5351737 | 7335639 | 3107009 | 1979826 | 1 | 1 | 1 | 1 |
| Value addedt†-- | 3399181 | 4793254 | 2027595 | 1194620 | 1 | 1 | 1 | 1 |
| Selected costs ----- | 3852829 | 4935996 | 2142018 | 1392047 | 1 | , | 1 |  |
| Materials, components, and supplies | 1951235 | 2582005 | 1114575 | 793382 | 1 | 1 | 1 | 1 |
| Construction work subcontracted out to others | 1790966 | 2213627 | 945478 | 554074 | 1 | 2 | 1 | 2 |
| Selected power, fuels, and lubricants .- | 110628 | 140363 | 81964 | 44591 | 2 | 1 | 2 | 2 |
| Electricity--- | 18798 | 21446 | 12311 | 5630 | 3 | 2 | 2 | 3 |
| Natural gas ------- | 5067 | 4501 | 2518 | 1664 | 4 | 2 | 4 |  |
| Gasoline and diesel fuel | 79416 | 105365 | 61417 | 31211 | 2 | 2 |  | 2 |
| On highway use_- | 60204 | 77380 | (NA) | (NA) | 2 | 1 | (NA) | (NA) |
| Off highway use----------------------1.- | 19 7 7 | 27985 | ( NA) | (NA) | 3 | 3 | (NA) |  |
| Other, including lubricating oils and greases. | 7347 | 9051 | 5717 | 6087 | 4 | 3 | 4 | 5 |
| Rental cost for machinery, equipment, and buildings | 120358 | 132181 | 55718 | 33890 | 2 | 3 |  |  |
| For machinery and equipment For buildings | 75663 44696 | 88726 43455 | 42891 12827 | 27169 6721 | 3 3 | 4 3 | 2 3 | 3 |
|  | 113816 | 140936 | 61807 | 44625 | 2 |  |  |  |
| Communication services | 40652 | 43799 | 18525 | 13142 | 3 | 2 | 2 | 2 |
| Repairs to buildings and other structures Repairs to machinery and equipment | 6599 66565 | 8779 88357 | 3356 39925 | 29101 29382 | 4 | 6 2 | 4 | 2 |
| Ownership of construction projects: |  |  |  |  |  |  |  |  |
|  | 7142704 | 9549266 | 4052488 | 2533900 | 1 | 1 | 1 |  |
|  | 1887058 | 1389174 | 846191 | 509312 | 2 | 2 | 3 | 1 |
| Federal ----- | 206571 | 304024 | (NA) | (NA) | 5 | 3 | (NA) | (NA) |
| State and local - | 1688486 | 1085150 | (NA) | (NA) | 2 | 2 | (NA) | (NA) |
|  | 5255646 | 8160091 | 3206297 | 2024588 | 1 | 1 | 1 | 1 |

Note: Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of Financial, Insurance, and Real Estate Industries.

Table 4. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1992 and 1987

| Item | 1992 | 1987 | Relative standard error of estimate (percent) |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1992 | 1987 |
| BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT |  |  |  |  |
|  | 1078045 | 1011726 |  | 2 |
|  | 83466 | 192996 | 5 | 3 |
|  | 66805 | 162477 | 5 | 3 |
|  | 16661 51564 | 30519 43781 | 8 | 8 |
|  | 1109947 | 1160941 | 2 | 2 |
|  | 107453 | 153151 | 3 | 3 |
| Buildings and Other Structures, Additions, and Related Facilities |  |  |  |  |
|  | 145801 | 226954 | 6 | 6 |
|  | 8695 | 31238 | 8 | 10 |
|  | 6916 1779 | 25682 5555 | 6 19 | 12 9 |
|  | (S) | 10927 | (S) | 28 |
|  | 152284 | 247265 | 6 | 6 |
|  | 8843 | 24534 | 6 | 11 |
| Machinery and Equipment |  |  |  |  |
|  | 932243 | 784771 | 2 | 2 |
|  | 74771 | 161758 | 5 | 3 |
|  | 59889 25737 | $\begin{array}{r}136794 \\ 69324 \\ \hline\end{array}$ | 6 8 | 3 |
| Used machinery and equipment, including automobiles and trucks | 14882 | 24964 | 8 | 6 |
| Retirements and disposition of depreciable assets ---------------- | 49352 | 32853 | 6 | 5 |
|  | 957663 | 913676 | 2 | 2 |
| Depreciation charges during year | 98610 | 128616 | 3 | 2 |

Note: Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of Financial, Insurance, and Real Estate Industries.

Table 5. Value of Inventories for Establishments With Payroll: 1992 and 1991
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Item | Establishments with payroll | Relative standard error of estimate (percent) |
| :---: | :---: | :---: |
| All establishments: |  |  |
| Number $\qquad$ | \% 88828 | 1 |
| Value of construction work | 7142704 | 1 |
| Establishments with inventories: |  |  |
| Number ------------ | 2744 | 3 |
| Value of construction work | 3176789 | 1 |
| Inventories ${ }^{\text {1 }}$ : ${ }^{\text {and of }} 1992$, materials and supplies |  | 7 |
| End of 1991, materials and supplies | 95135 | 6 |
| Establishments with no inventories: |  |  |
| Number --------------------- | - 2966 | 3 |
| Value of construction work | 2479390 | 1 |
| Establishments not reporting: |  |  |
| Number ------------------ | $\begin{array}{r}3119 \\ 1486525 \\ \hline\end{array}$ | 2 |
| Value of construction work | 1486525 |  |

${ }^{1}$ Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 6. Selected Statistics for Establishments With Payroll by Employment Size Class:
1992 and 1987
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Selected statistics | Total | Establishments with an average of- |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{array}{r} 1 \text { to } 4 \\ \text { employees } \end{array}$ | $\begin{array}{r} 5 \text { to } 9 \\ \text { employees } \end{array}$ | $\begin{array}{r} 10 \text { to } 19 \\ \text { employees } \end{array}$ | $\begin{array}{r} 20 \text { to } 49 \\ \text { employees } \end{array}$ | $\begin{array}{r} 50 \text { to } 99 \\ \text { employees } \end{array}$ | 100 to 249 employees | 250 to 499 employees | $\begin{aligned} & 500 \text { to } 999 \\ & \text { employees } \end{aligned}$ | $\begin{array}{r} 1,000 \\ \text { employees } \\ \text { or more } \end{array}$ |
| 1992 |  |  |  |  |  |  |  |  |  |  |
| Number of establishments | 8828 | 6052 | 1554 | 742 | 364 | 82 | 28 | ${ }^{6}$ | - | 1 |
| All employees** | 55314 | 11010 | 9700 | 9825 | 10593 | 5603 | 4233 | 4352 | - | (D) |
| Payroll, all employees | 1679071 | 225316 | 254934 | 291635 | 348504 | 205241 | 155504 | 197936 | - | (D) |
| Dollar value of business done | 7252009 | 1152062 | 1011759 | 1067877 | 1379204 | 1039430 | 838158 | 763520 | - | (D) |
| Value of construction work ---- | $\begin{array}{llll}7142704 \\ 5 & 351737\end{array}$ | 1137748 | 994570 | 1053415 | 1364163 | 1011751 | 833526 | 747531 <br> 68391 | - | (D) |
| Net value of construction workt ------------------------------------ | 5351737 | 944795 | 800318 | 859470 | 997406 | 604541 | 461616 | $\underline{683591}$ | - | (D) |
| Value addedt† ----------------------------------------- | 3399181 | 562904 | 483356 | 535783 | 640602 | 366696 | 231530 | 578310 | - | (D) |
| Cost of materials, components, supplies, and fuels ----- | 2061862 | 396206 | 334151 | 338148 | 371845 | 265524 | 234718 | $\frac{121270}{63940}$ | - | (D) |
| Cost of construction work subcontracted out to others -- | 1790966 | 192952 | 194252 | 193945 | 366757 | 407210 | 371910 | $\frac{63940}{17701}$ | - | (D) |
| Rental cost for machinery, equipment, and buildings ---- | 120358 | 16709 | 12980 | 17482 | 19406 | 16389 | 19691 | $\begin{array}{r}17701 \\ \hline 3923\end{array}$ | - | (D) |
| Capital expenditures, other than land ---------------- End-of-year gross book value of depreciable assets ---- | 83466 1109947 | 16701 188063 | 11640 195665 | 20511 216529 | 12345 206143 | 10138 150286 | 8208 112727 | $\begin{array}{r} 3923 \\ 40534 \end{array}$ | - | (D) |
| 1987 |  |  |  |  |  |  |  |  |  |  |
| All employees** | 89494 | 12528 | 15490 | 17726 | 18713 |  | 7462 | 8593 | (D) |  |
| Value of construction work----------------------------- | 9549266 | 1297640 | 1313705 | 1824121 | 2118358 | 1180284 | 1815155 |  | (D) | (D) |
|  | 4793254 | 610829 | 630043 | 962366 | 1045541 | 558948 | -389652 | 595874 | (D) | (D) |
| 1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT) |  |  |  |  |  |  |  |  |  |  |
| All employees** ------------ | 1 | 3 |  | 4 |  |  |  | (Z) | - |  |
|  | 1 | 4 | 5 | 3 | 1 | (Z) | (Z) | (Z) | - | (D) |
| Capital expenditures, other than land ------------------ | 5 | 12 | 14 | 15 | 3 | (Z) | (Z) | (Z) | - | (D) |

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies. Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of Financial, Insurance, and Real Estate Industries.

Table 7. Selected Statistics by Size Class of Dollar Value of Business Done for Establishments With Payroll: 1992 and 1987
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Selected statistics | Total | Establishments with dollar value of business done- |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{gathered} \text { Less than } \\ \$ 25,000 \end{gathered}$ | $\begin{array}{r} \$ 25,000 \\ \text { to } \\ \$ 49,999 \end{array}$ | $\begin{array}{r} \$ 50,000 \\ \text { to } \\ \$ 99,999 \end{array}$ | $\begin{array}{r} \$ 100,000 \\ \text { to } \\ \$ 249,999 \end{array}$ | $\begin{aligned} & \$ 250,000 \\ & \text { to } \\ & \$ 499,999 \end{aligned}$ | $\begin{aligned} & \$ 500,000 \\ & \text { to } \\ & \$ 999,999 \end{aligned}$ | $\begin{array}{r} \$ 1,000,000 \\ \text { to } \\ \$ 2,499,999 \end{array}$ | $\begin{array}{r} \$ 2,500,000 \\ \text { to } \\ \$ 4,999,999 \end{array}$ | $\begin{array}{r} \$ 5,000,000 \\ \text { to } \\ \$ 9,999,999 \end{array}$ | $\begin{array}{r} \$ 10,000,000 \\ \text { or more } \end{array}$ |
| 1992 |  |  |  |  |  |  |  |  |  |  |  |
| Number of establishments | 8828 | (S) | (S) | 1324 | 2565 | 1533 | 1122 | 744 | 244 | 109 | 84 |
| All employees** | 55314 | (S) | (S) | 2001 | 5937 | 6655 | 7937 | 10255 | 6036 | 4728 | 10822 |
| Payroll, all employees | 1679071 | (S) | (S) | 27572 | 111723 | 152108 | 214104 | 300644 | 206439 | 179589 | 478178 |
| Dollar value of business done | 7252009 | (S) | (S) | 97437 | 414862 | 541521 | 789868 | 1126120 | 841819 | 763031 | 2648245 |
| Value of construction work ----------------------------- Net value of | 7142704 5351737 | (S) |  | 96865 90587 | 410632 374775 | 536348 471913 | 776379 655856 | 1106201 913672 | 827635 651451 | 756062 560 | 2603846 1605965 |
| Net value of construction work $\dagger$---------------- | 5351737 | (S) | (S) | 90587 | 374775 | 471913 | 655856 | 913672 | 651451 | 560296 | 1605965 |
| Value addedtt ----------------------------1-1 | 3399181 | (S) | (S) | 57769 | 229890 | 285244 | 398455 | 568372 | 423654 | 350611 | 1068796 |
| Cost of materials, components, supplies, and fuels | 2061862 | (S) | (S) | 33390 | 149114 | 191842 | 270890 | 365218 | 241981 | 216653 | 581568 |
| Cost of construction work subcontracted out to others $\qquad$ | 1790966 | (S) | (S) | 6279 | 35857 | 64436 | 120523 | 192530 | 176184 | 195766 | 997881 |
| Rental cost for machinery, equipment, and buildings | 120358 |  | (S) |  |  |  | 13012 |  |  |  |  |
| Capital expenditures, other than land --------------- | 83466 | (S) | (S) | 1196 | 8014 | 6760 | (S) | 17053 | 9204 | 8343 | 18558 |
| End-of-year gross book value of depreciable assets | 1109947 | (S) | (S) | 14973 | 93482 | 92405 | 191927 | 220271 | 122254 | 122970 | 247204 |
| 1987 |  |  |  |  |  |  |  |  |  |  |  |
| All employees** -------------------------------- | 89494 | (S) | (S) | (S) | (S) | 10278 | 12571 | 16009 | 11966 | 8040 | 17903 |
| Value addedt†--------------------------------------------- | 4793254 | (S) | (S) | (S) | (S) | 380886 | 537394 | 882 241 | 746965 | 504412 | 29893899 |
| 1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT) |  |  |  |  |  |  |  |  |  |  |  |
| All employees** -------------- | 1 |  |  | 7 |  |  | 5 | 3 | 2 |  |  |
| Net value of construction work $\dagger$--------------- | 1 | (S) | (S) | 6 | 4 | 5 | 5 | 3 | 4 | 2 | (Z) |
| Capital expenditures, other than land----------- | 5 | (S) | (S) | 26 | 21 | 17 | (S) | 13 | 16 | (Z) | (Z) |

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies. Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of Financial, Insurance, and Real Estate Industries.

# Table 8. Value of Construction Work for Establishments With Payroll by Type of Construction: 1992 and 1987 

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 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 |
| 1992 |  |  |  |  |  |  |  |  |
| Value of construction work | 7142704 | 3520062 | 2071296 | 1295756 | 1 | 1 | 1 | 1 |
| Building construction -- Single-family houses | 5037356 1544496 | 2665347 913837 | 1688720 426899 | 683290 203761 | 1 | 2 4 | 2 | 2 |
|  | 1415415 | 831582 | 404633 | 179199 | 3 | 4 5 | 4 | 5 |
| Single-family houses, attached, including townhouses and townhouse-type condominiums | 129082 | 82254 | 22266 | 24561 | 7 | 9 | 12 | 9 |
| Apartment buildings with two or more units, including rentals, apartment---1ype condominiums, and cooperatives $\qquad$ | 141397 | 62111 | 40989 | 38297 | 5 | 5 | 12 | 7 |
|  | 84922 | 60152 | 17129 | 7641 | 7 | 8 | 11 | 18 |
|  | 38355 | 28432 | ${ }_{12}$ (S) | *2 (S) | 3 | 3 | (S) | (S) |
| Other residential buildings -------------------------------------------------- | 46567 697 | 31720 301352 | 12171 291124 | $* 2676$ 104737 | 12 | 16 | 15 | 51 |
| Office buildings | 697213 | 301352 | 291124 | 104737 | 2 | 2 | 2 | 5 |
|  | 576175 | 289982 | 188098 | 98094 | 3 | 3 | 6 | 7 |
| Industrial buildings and warehouses. | 755886 | 368108 | 278488 | 109291 |  | 3 | 4 | 4 |
| Industrial buildings | 660670 | 318416 | 243130 | 99124 | 2 | 3 | 3 | 4 |
| Warehouses-- | 95216 | 49692 | 35358 | 10167 | 9 | 5 | 22 | 18 |
| Religious buildings - | 56760 | 19325 | 19298 | 18137 |  | 7 | 6 3 | 4 |
| Educational buildings -.- | 560380 413646 | 299152 <br> 208255 <br> 18550 | 225051 156631 | 36177 48760 | 2 | 3 5 5 | 3 3 3 | 3 5 |
| Amusement, social, and recreational buildings, indoors | 60118 | 46550 | 10598 | 2970 | 1 | 1 | 6 | 3 |
| Other nonresidential buildings ---------------------1-1-1- | 146362 | 96523 | 34414 | 15425 | 3 | 2 | 5 | 17 |
| Nonbuilding construction_ | 1849757 | 854715 | 382576 | 612466 | 1 | 1 | 2 | 1 |
| Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc. | 457537 | 245567 | 116668 | 95303 | 2 | 2 | 4 | 5 |
|  | 20299 | (D) | (D) | (D) | (Z) | (D) | (D) | (D) |
| Private driveways and parking areas | 39613 | 21141 | 5917 | 12554 | 12 | 17 | 15 |  |
| Fencing--- | 32021 | 15245 | 12478 | 4298 | 13 | 20 | 8 | 23 |
| Recreational facilities -- | 15332 | (D) | 1496 103155 | (D) | 9 | (D) | 15 | (D) |
|  | $\begin{array}{r}217 \\ 72130 \\ \hline 13\end{array}$ | 100529 51943 | 103155 12175 | 13389 8012 | 2 | 1 <br> 5 | 2 3 | 29 |
|  | 132716 | 80589 | 30320 | 21806 |  | 8 | 9 | 11 |
|  | 94445 | 60596 | 23998 | 9851 | 7 | 7 | 10 | 21 |
| Water mains and related facilities | 38271 | 19994 | 6322 | 11955 | 9 | 15 | 5 | 6 |
| Sewage treatment and water treatment plants | 103433 | 59945 | 37775 | 5712 | 5 | 4 | 8 | 8 |
| Sewage treatment plants --- | 60636 | 31994 | (D) | (D) | 9 | 8 | (D) | (D) |
| Water treatment plants Other nonbuilding construction | 42797 759601 | 27952 266251 | 50 (D) | 443 (D) | ${ }_{1}^{2}$ | 2 1 | (D) | (D) |
| Construction work, n.s.k.- | 255590 | (NA) | (NA) | (NA) | 6 | (NA) | (NA) | (NA) |
| 1987 |  |  |  |  |  |  |  |  |
| Value of construction work | 9549266 | 5822082 | 2145684 | 1046318 | 1 | 1 | 2 | 2 |
| Building construction | 7285244 | 4861658 | 1765518 | 612300 | 1 | 1 | 2 | 2 |
| Single-family houses --------- | 2593249 | 1863705 | 543552 | 185991 | 2 | 3 | 4 | 5 |
|  | 1981997 | 1342060 | 478052 | 161884 | 3 | 3 | 5 | 5 |
| Single-family houses, attached, including townhouses and townhouse-type condominiums | 611252 | 521644 | 65499 | 24107 | 5 | 6 | 10 | 6 |
| Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives | 467155 | 301746 | 121893 | 43515 | 5 | 7 | 8 | 7 |
| Other residential buildings, including hotels, motels, and tourist cabins-.----- | 326288 | 229374 | 73101 | 23812 | 6 | 5 | 19 | 6 |
|  | 98512 | 68668 | 21157 | 8686 |  | 11 | 10 | 11 |
| Other residential buildings | 227775 | 160705 | 51944 | 15126 | 7 | 6 | 27 | 8 |
|  | 1416266 | 1021155 | 299873 | 95237 | 1 | 1 | 3 | 3 |
| Other commercial buildings such as stores, restaurants, and automobile service stations | 905688 | 544458 | 258205 | 103024 | 2 | 2 | 3 | 4 |
| Industrial buildings and warehouses. | 763155 | 462279 | 200791 | 100084 | 3 | 4 | 2 | 4 |
| Industrial buildings . | 635750 | 367258 | 180640 | 87851 | 3 | 4 | 2 | 4 |
| Warehouses | 127405 | 95020 | 20150 | 12233 | 5 | 6 | 8 | 7 |
| Religious buildings ---- | 64358 282873 | $\begin{array}{r}26156 \\ 141901 \\ \hline 2281\end{array}$ | 26450 111842 | 11751 29130 | 3 3 3 | 3 4 4 | 4 <br> 3 | 7 10 |
| Educational buildings ------------ Hospitals and institutional buildings | 282873 339195 | 141901 222826 | 111842 92168 | 29130 24200 | 3 2 2 | 4 1 4 | 3 8 8 | 10 5 |
|  | 127017 | $\begin{array}{r}74 \\ \hline 289\end{array}$ | 39686 | 12877 | 2 | 4 | 3 | 24 |
|  | 1728839 | 934022 | 378119 | 416697 | 1 | 2 | 3 | 2 |
| Highways, streets, and related work such as installation of guard rails, <br> highway signs, lighting, etc. | 500133 | 205926 | 192817 | 101389 | 3 | 5 | 4 | 4 |
| Private driveways and parking areas | 72847 | 47697 | 12684 | 12466 | 12 | 14 | 17 | 17 |
| Power and communication transmission lines, towers, and related facilities--- | 141477 | 74773 | 48856 | 17846 | 2 | 2 | 2 | 12 |
| Sewers, water mains, and related facilities---------------------------1.-- | 208747 | 145899 | 38044 | 24802 | 4 | 3 | 6 | 13 |
| Sewers, sewer lines, septic systems, and related facilities ---------------- | 124529 | 88837 | 23595 14449 | 12095 | 3 | 3 | ${ }^{6}$ | 13 |
| Water mains and related facilities-------------------- | 84218 | 57061 | 14449 | 12707 | 7 | 5 | 13 | 17 |
| Sewage treatment and water treatment plants | 66783 | 37237 | 27733 | 1812 | 6 | 8 | 10 | 12 |
| Sewage treatment plants Water treatment plants | 45219 | 17723 | + 26312 | 1183 | 8 | 16 | 9 | 9 |
| Water treatment plants ---------------------------------------------------------------------------- | 21564 | 19513 | *1420 | 629 | 4 | 2 | 46 | 28 |
| Other nonbuilding construction --------------------------------------------- | 738852 | 422490 | 57985 | 258382 | (NA) | (NA) | (NA) | (NA) |
| Construction work, n.s.k.----------------------------------------------------------- | 535181 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |

Note: Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992 . SIC 6552 is covered in the Census of Financial, Insurance, and Real Estate Industries.

# Table 9. Quarterly Construction Worker Employment for Establishments With Payroll by Industry: 1992 

\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multirow{3}{*}{SIC code} \& \multirow{3}{*}{Industry} \& \multirow[b]{2}{*}{Number of establishments} \& \multirow[t]{2}{*}{Average number of construction workers} \& \multicolumn{4}{|c|}{Construction workers \({ }^{1}\)} \& \multicolumn{6}{|l|}{\multirow[b]{2}{*}{Relative standard error of estimate (percent) for column-}} \\
\hline \& \& \& \& \begin{tabular}{l}
January \\
to March
\end{tabular} \& \[
\begin{aligned}
\& \text { April } \\
\& \text { to June }
\end{aligned}
\] \& \begin{tabular}{l}
July \\
to September
\end{tabular} \& \begin{tabular}{l}
October \\
to December
\end{tabular} \& \& \& \& \& \& \\
\hline \& \& A \& B \& C \& D \& E \& F \& A \& B \& c \& D \& E \& F \\
\hline \[
\begin{gathered}
15,16, \\
17
\end{gathered}
\] \& Construction industries .------ \& 8828 \& 41211 \& 34657 \& 41967 \& 45533 \& 42688 \& 1 \& 1 \& 1 \& 1 \& 1 \& 1 \\
\hline 15 \& \multirow[t]{3}{*}{\begin{tabular}{l}
contractors and operative builders: \\
General contractors, residential buildings: \\
Single-family houses \(\qquad\) \\
Other residential buildings \(\qquad\)
\end{tabular}} \& \& \& \& \& \& \& \& \& \& \& \& \\
\hline 152 \& \& \& \& \& \& \& \& \& \& \& \& \& \\
\hline \[
\begin{aligned}
\& 1521 \\
\& 1522
\end{aligned}
\] \& \& 1646
69 \& \(\begin{array}{r}3717 \\ \hline 216\end{array}\) \& \(\begin{array}{r}3261 \\ \hline 27\end{array}\) \& 3883

201 \& $\begin{array}{r}4210 \\ 237 \\ \hline\end{array}$ \& $\begin{array}{r}3513 \\ \hline 200 \\ \hline\end{array}$ \& 23 \& 4
25 \& 4
27 \& 4
22 \& 4
26 \& 4
25 <br>
\hline 1531 \& Operative builders ---------------- \& 230 \& 519 \& 519 \& 519 \& 519 \& 521 \& 11 \& 10 \& 10 \& 9 \& 9 \& 10 <br>
\hline 154 \& General contractors, nonresidential buildings: \& \& \& \& \& \& \& \& \& \& \& \& <br>
\hline 1541 \& Industrial buildings and warehouses $\qquad$ \& 73 \& 504 \& 402 \& 496 \& 485 \& (S) \& 16 \& 12 \& 10 \& 9 \& 9 \& (S) <br>
\hline 1542 \& Nonresidential buildings, n.-.-.-.------- \& 414 \& 2844 \& 2538 \& 2774 \& 3191 \& 2875 \& 8 \& 4 \& 4 \& 5 \& 4 \& 4 <br>
\hline 16 \& Heavy construction other than building construction-contractors: \& \& \& \& \& \& \& \& \& \& \& \& <br>
\hline 1611 \& Highway and street construction.---- \& 163 \& 2375 \& 1475 \& 2771 \& 2859 \& 2395 \& 9 \& 3 \& 3 \& 3 \& 3 \& 3 <br>

\hline $$
\begin{aligned}
& 162 \\
& 1622
\end{aligned}
$$ \& Heavy construction, except highway: Bridge, tunnel, and elevated \& \& \& \& \& \& \& \& \& \& \& \& <br>

\hline 1623 \& Water, sewer, and utility lines------ \& 105 \& 1063 \& 942 \& 1118 \& 1149 \& 1044 \& 7 \& 5 \& 5 \& 5 \& 5 \& 2 <br>
\hline 1629 \& Heavy construction, n.e.c. -------- \& 164 \& 3132 \& 2581 \& 3580 \& 2531 \& 3838 \& 13 \& 3 \& 3 \& 3 \& 4 \& <br>
\hline 17 \& Special trade contractors: \& \& \& \& \& \& \& \& \& \& \& \& <br>
\hline 1711 \& Plumbing, heating, and airconditioning \& 1236 \& 5448 \& 5092 \& 5241 \& 5758 \& 5704 \& 2 \& 3 \& 2 \& 3 \& 3 \& 4 <br>
\hline 1721 \& Painting and paper hanging --------- \& 542 \& 1629 \& 1153 \& 1642 \& 2174 \& 1545 \& 4 \& 4 \& 7 \& 5 \& 4 \& 5 <br>
\hline 1731 \& Electrical work-------------------- \& 1004 \& 4576 \& 4389 \& 4422 \& 4846 \& 4645 \& 2 \& 2 \& 2 \& 2 \& 2 \& 2 <br>
\hline 174 \& Masonry, stonework, tile setting, and plastering: \& \& \& \& \& \& \& \& \& \& \& \& <br>
\hline 1741 \& Masonry, stone setting, and other stonework \& 369 \& 1607 \& 1160 \& 1740 \& 1980 \& 1549 \& 5 \& 8 \& 7 \& 8 \& 11 \& 7 <br>
\hline 1742 \& Plastering, drywall, and insulation work \& 215 \& 1568 \& 1447 \& 1491 \& 1632 \& 1704 \& 7 \& 6 \& 7 \& 7 \& 5 \& 5 <br>
\hline 1743 \& Terrazzo, tile, marble, and mosaic work \& 72 \& 169 \& 158 \& 172 \& 199 \& 147 \& 17 \& 16 \& 17 \& 16 \& 15 \& 16 <br>

\hline $$
\begin{aligned}
& 175 \\
& 1751
\end{aligned}
$$ \& Carpentry and floor work: Carpentry \& 683 \& 1710 \& 1447 \& 1708 \& 2030 \& 1652 \& 4 \& 8 \& 8 \& 9 \& 11 \& 7 <br>

\hline 1752 \& Floor laying and other floor work -- \& 141 \& 544 \& 527 \& 585 \& 566 \& 499 \& 7 \& 14 \& 14 \& 15 \& 13 \& 12 <br>
\hline 1761 \& Roofing, siding, and sheet metal work $\qquad$ \& 353 \& 1872 \& 1467 \& 1912 \& 2219 \& 1892 \& 6 \& 3 \& 4 \& 3 \& 2 \& 3 <br>
\hline 1771 \& Concrete work----------- \& 356 \& 1246 \& 660 \& 1246 \& 1607 \& 1470 \& 6 \& 7 \& 10 \& 7 \& 8 \& 10 <br>
\hline 1781 \& Water well drilling ------------------- \& 41 \& 150 \& 128 \& 161 \& 163 \& 146 \& 18 \& 11 \& 2 \& 10 \& 10 \& 7 <br>
\hline 179 \& Miscellaneous special trade contractors: \& \& \& \& \& \& \& \& \& \& \& \& <br>
\hline 1791 \& Structural steel erection \& 53

75 \& $$
408
$$ \& \& 386

216 \& $$
446
$$ \& 421 \& 16 \& 13 \& 12 \& 12 \& \& <br>

\hline 1793 \& Glass and glazing work --------------------- \& 75
303 \& + 221 \& + 212 \& 216
1516 \& $1 \begin{array}{r}220 \\ 1706\end{array}$ \& 235
1659 \& $\begin{array}{r}13 \\ 7 \\ \hline\end{array}$ \& 6
6
6 \& ${ }_{7}^{6}$ \& 6
5
5 \& 6
5
5 \& 7
6 <br>
\hline 1795 \& Wrecking and demolition work----- \& 14 \& 89 \& 89 \& 80 \& 92 \& 96 \& (Z) \& (Z) \& (Z) \& (Z) \& (Z) \& (Z) <br>
\hline 1796

1799 \& | Installing building equipment, |
| :--- |
| n.e.c. |
| Special trade contractors, n.e.c. --- | \& 48

433 \& $$
\begin{array}{r}
790 \\
2381
\end{array}
$$ \& \[

$$
\begin{array}{r}
681 \\
1893
\end{array}
$$

\] \& \[

$$
\begin{array}{r}
707 \\
2518
\end{array}
$$

\] \& \[

$$
\begin{array}{r}
857 \\
2752
\end{array}
$$

\] \& \[

$$
\begin{array}{r}
915 \\
2362
\end{array}
$$

\] \& \[

$$
\begin{aligned}
& 4 \\
& 8
\end{aligned}
$$
\] \& 3

5 \& 4
5 \& 3
5 \& 4
5 \& 2
5 <br>
\hline
\end{tabular}

[^3]Table 10. Selected Industry Ratios for Establishments With Payroll in This State: 1992
[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| $\underset{\text { code }}{\text { SIC }}$ | Industry | Average number of employees** per establishment | $\begin{array}{r} \text { Payroll } \\ \text { per } \\ \text { employee } \\ (\$ 1,000) \end{array}$ | $\begin{array}{r} \text { Value of } \\ \text { construction } \\ \text { work } \\ \text { per } \\ \text { construction } \\ \text { worker } \\ (\$ 1,000) \end{array}$ | Average per dollar value of construction work |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Payroll, employees | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted out to others | Value of construction work subcontracted in from others | $\begin{array}{r} \text { Rental } \\ \text { cost } \\ \text { for } \\ \text { machinery, } \\ \text { equipment, } \\ \text { and } \\ \text { buildings } \end{array}$ |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries .- | 6.3 | 30.4 | 173.3 | . 235 | . 289 | . 251 | . 249 | . 017 |
| 15 | Building construction-General contractors and operative builders: |  |  |  |  |  |  |  |  |
| 152 1521 152 | General contractors, residential buildings: Single-family houses. | 3.1 | 21.8 | 169.2 | . 179 | . 351 | . 286 | . 052 | . 011 |
| 1522 |  | 4.0 | 23.1 | 227.3 | . 130 | . 278 | . 439 | . 038 | . 010 |
| 1531 | Operative builders ----------------------------------------------- | 4.3 | 29.0 | 550.6 | . 101 | . 258 | . 314 | . 004 | . 004 |
| 154 1541 154 | General contractors, nonresidential buildings: Industrial buildings and warehouses $\qquad$ | 9.8 | 31.6 | 472.2 | . 096 | . 113 | . 578 | . 015 | . 010 |
| 1542 | Nonresidential buildings, n.e.c.------------------------------ | 10.7 | 36.4 | 462.1 | . 122 | . 184 | . 643 | . 037 | . 008 |
| 16 | Heavy construction other than building constructioncontractors: |  |  |  |  |  |  |  |  |
| 1611 | Highway and street construction ----------------------------- | 18.3 | 34.5 | 198.0 | . 219 | . 427 | . 191 | . 173 | . 041 |
| $\begin{aligned} & 162 \\ & 1622 \end{aligned}$ | Heavy construction, except highway: <br> Bridge, tunnel, and elevated highway construction | 44.6 | 37.2 | 198.1 | . 238 | . 286 | . 216 | . 091 |  |
| 1623 | Water, sewer, and utility lines------------------------------ | 13.7 | 39.1 | 169.5 | . 312 | . 216 | . 318 | . 110 | . 020 |
| 1629 |  | 26.8 | 43.0 | 230.9 | . 261 | . 175 | . 083 | . 114 | . 017 |
| 17 | Special trade contractors: |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and air-conditioning --------------------- | 6.2 | 31.2 | 146.0 | . 300 | . 368 | . 126 | . 456 | . 014 |
| 1721 | Painting and paper hanging ----------------------------------- | 3.6 | 21.9 | 69.9 | . 375 | . 212 | . 043 | . 395 | . 013 |
| 1731 | Electrical work .-- | 6.0 | 31.8 | 124.7 | . 335 | . 402 | . 033 | . 477 | . 012 |
| 174 1741 | Masonry, stonework, tile setting, and plastering: | 5.1 | 26.0 | 87.6 | 347 | (D) | 062 | 644 | . 017 |
| 1742 | Plastering, drywall, and insulation work ----------------------- | 9.1 | 29.4 | 106.3 | . 347 | . 336 | . 082 | . 795 | . 015 |
| 1743 | Terrazzo, tile, marble, and mosaic work---------------------------- | 2.9 | 26.9 | 118.8 | . 279 | . 398 | . 014 | . 909 | . 013 |
| 175 | Carpentry and floor work: |  |  |  |  |  |  |  |  |
| 1751 |  | 3.1 | 19.8 | 92.6 | . 262 | . 340 | . 117 | . 359 | . 009 |
| 1752 | Floor laying and other floor work--------------------------- | 5.3 | 26.2 | 148.7 | . 241 | . 378 | . 134 | . 511 | . 011 |
| 1761 | Roofing, siding, and sheet metal work ----------------------- | 6.8 | 28.6 | 125.2 | . 294 | . 360 | . 100 | . 449 | . 016 |
| 1771 | Concrete work -- | 4.2 | 22.8 | 85.6 | . 322 | . 320 | . 067 | . 503 | . 023 |
| 1781 | Water well drilling ---------------------------------------------- | 4.9 | 28.7 | 127.9 | . 300 | . 449 | . 029 | . 263 | . 022 |
| 179 | Miscellaneous special trade contractors: |  |  |  |  |  |  |  |  |
| 1791 1793 | Structural steel erection $\qquad$ <br> Glass and glazing work | 10.3 5.0 | 31.3 25.5 | 149.7 158.2 | . 281 | .470 .419 | . 149 | . 492 | . 050 |
| 1794 | Excavation work --------------------------------------------------------- | 6.3 | 29.6 | 136.3 | . 273 | . 290 | . 101 | . 601 | . 046 |
| 1795 |  | 8.5 | 22.6 | 116.0 | . 260 | (D) | . 033 | . 462 | . 010 |
| 1796 | Installing building equipment, n.e.c.------------------------ | 21.2 | 26.3 | 93.1 | . 365 | . 175 | . 030 | . 356 | . 018 |
| 1799 | Special trade contractors, n.e.c. ----------------------------- | 7.3 | 28.0 | 116.8 | . 320 | . 296 | . 104 | . 345 | . 025 |

## Table 11. Selected Statistics for Establishments With Payroll for Selected Metropolitan Areas: 1992



CT-14 CONNECTICUT

Table 11. Selected Statistics for Establishments With Payroll for Selected Metropolitan
Areas: 1992-Con.


# Table 11. Selected Statistics for Establishments With Payroll for Selected Metropolitan Areas: 1992-Con. 



# Table 11. Selected Statistics for Establishments With Payroll for Selected Metropolitan 

Areas: 1992-Con.

| SIC code | Geographic area and industry | Number of establishments | $\underset{\text { employees** }}{\text { All }}$ | Payroll, all employees | Value of construction work | Net value of construction work $\dagger$ | Value added $\dagger \dagger$ | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted out to others | Capital expenditures, other than land | Rela stan erro estir (perc for colur |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | A | B | C | D | E | F | G | H | 1 | B | E |
|  | NEW YORK-NORTHERN NEW JERSEY-LONG ISLAND, NY-NJ-CT-PA CMSA-Con. <br> Bridgeport, CT PMSA |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries .--------- | 1032 | 5940 | 178098 | 698909 | 529942 | 347931 | 194890 | 168967 | 8091 | 3 | 3 |
| 15 | Building construction-General contractors and operative builders: |  |  |  |  |  |  |  |  |  |  |  |
| 152 | General contractors, residential buildings: |  |  |  |  |  |  |  |  | 493 |  |  |
| 1522 | Other residential buildings ---------------- | *17 | *50 | ${ }_{* 1} 135$ | 60 (D) | 45 | *2 049 | 22668 3023 | $\begin{gathered} 201 \\ (\mathrm{D}) \end{gathered}$ | 493 | 44 | (D) |
| 1531 | Operative builders ------------------- | 29 | 80 | 2357 | *18605 | (D) | * 8148 | 6032 | (D) | *685 | 23 | (D) |
| 154 | General contractors, nonresidential buildings: |  |  |  |  |  |  |  |  |  |  |  |
| 1541 | Industrial buildings and warehouses $\qquad$ | (S) | (D) | (D) | (S) | (D) | (D) | (S) | (D) | (D) | (D) | (D) |
| 1542 | Nonresidential buildings, n.e.c. ----- | 55 | 628 | 21218 | 116334 | 61395 | (D) | 28021 | 54939 | 1370 | 5 | 7 |
| 16 | Heavy construction other than building construction-contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1611 | Highway and street construction ----- | (S) | (S) | (S) | 16531 | (D) | (D) | 8067 | (D) | (D) | (S) | (D) |
| $\begin{aligned} & 162 \\ & 1622 \end{aligned}$ | Heavy construction, except highway: <br> Bridge, tunnel, and elevated <br> highway construction | 2 |  |  | (D) | (D) | D) | (D) | (D) |  |  |  |
| 1623 | Water, sewer, and utility lines-------- | (S) | 448 | 23223 | 84261 | (D) | 24295 | 13330 | (D) | 1383 | 4 | (D) |
| 1629 | Heavy construction, n.e.c. --------- | (S) | (S) | (S) | (D) | (D) | (S) | (S) | (D) | (D) | (S) | (D) |
| 17 | Special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and airconditioning - | 132 | 828 | 26435 | 86822 | 77670 | 49169 | 28729 | 9152 | 226 | 7 | 5 |
| 1721 | Painting and paper hanging ---------- | 63 | 281 | 7198 | 16889 | 16488 | 13093 | 3432 | 401 | *125 | 12 | 9 |
| 1731 | Electrical work ---------------------- | 150 | 791 | 20301 | 61411 | 59650 | (D) | 25901 | (S) | (D) | 9 | 9 |
| 174 | Masonry, stone work, tile setting, and plastering: |  |  |  |  |  |  |  |  |  |  |  |
| 1741 | Masonry, stone setting, and other stone work | (S) | (S) | (S) | (S) | (S) | (S) | (S) | 2445 | (D) | (S) | (S) |
| 1742 | Plastering, drywall, and insulation work | (S) | (S) | (S) | (S) | (S) | (S) | (S) | 1920 | (S) | (S) | (S) |
| 1743 | Terrazzo, tile, marble, and mosaic work $\qquad$ | 11 | 25 | 607 | 2593 | 2481 | 1395 | 1086 | 112 | (D) | (Z) | (Z) |
| 175 1751 175 | Carpentry and floor work: <br> Carpentry | 101 | 320 | 5696 | 25761 | 23222 | 14602 | 8712 |  |  | 25 |  |
| 1752 | Floor laying and other floor work --- | 14 | 33 | 512 |  | (D) | 1301 | 1391 | 317 | (S) | 2 | (D) |
| 1761 | Roofing, siding, and sheet metal work | 49 | 268 | 6226 | 24825 | 19862 | 12205 | 7657 | 4963 | (D) | 7 | 7 |
| 1771 | Concrete work ----------------------- | 30 | 150 | 3825 | 9874 | 9510 | 5837 | 3673 | 365 | *100 | 18 | 15 |
| 1781 | Water well drilling ------------------- | 2 | (D) | (D) | (D) | (D) | (D) | (D) | - | (D) | (D) | (D) |
| 179 | Miscellaneous special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1791 | Structural steel erection | 3 | 57 | 3070 |  |  |  |  |  | (D) | (Z) | (D) |
| 1793 1794 | Glass and glazing work Excavation work $\qquad$ | (S) 39 | $\begin{array}{r}49 \\ 115 \\ \hline\end{array}$ | 1126 3064 | 3042 15965 | 3029 15417 | 1755 12601 | 1280 3110 | *13 | *984 | 12 27 | 10 19 |
| 1795 | Wrecking and demolition work -.---- | (S) | (D) |  |  |  |  | (D) | - |  | (D) | (D) |
| 1796 1799 | Installing building equipment, n.e.c. Special trade contractors, n.e.c. | (S) | 185 261 |  | (S) |  | (S) | (S) 3464 | (D) 1500 | 147 | (Z) | (D) |
|  | Danbury, CT PMSA |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries .--------- | 710 | 3255 | 98901 | 453931 | 324836 | 195875 | 133634 | 129095 | 6059 | 4 | 4 |
| 15 | Building construction-General contractors and operative builders: |  |  |  |  |  |  |  |  |  |  |  |
| 152 | General contractors, residential buildings: |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 1521 \\ & 1522 \end{aligned}$ | Single-family houses $\qquad$ Other residential buildings | $\begin{array}{r} 163 \\ \text { (S) } \end{array}$ | $\begin{array}{r} 555 \\ \text { (D) } \end{array}$ | $\begin{array}{r} 12731 \\ \quad \text { (D) } \end{array}$ | $\begin{array}{r} 62366 \\ \text { (D) } \end{array}$ | $\begin{array}{r} 46483 \\ \quad \text { (D) } \end{array}$ | $\begin{array}{rr} 25014 \\ \\ & \text { (D) } \end{array}$ | $\begin{array}{rr} 22137 \\ \\ \text { (D) } \end{array}$ | $\begin{array}{r} 15883 \\ \text { (D) } \end{array}$ | 343 | $\begin{aligned} & 11 \\ & \text { (D) } \end{aligned}$ | (D) |
| 1531 | Operative builders ------------------- | 19 | 64 | 2637 | (D) | (D) | *3 053 | (S) | (D) | (D) | 23 | (D) |
| 154 | General contractors, nonresidential buildings: |  |  |  |  |  |  |  |  |  |  |  |
| 1541 | Industrial buildings and warehouses | (S) | 44 |  | 7336 | 4472 | 2780 | 1692 | 2864 | (D) | (Z) | (Z) |
| 1542 | Nonresidential buildings, n.e.c. ----- | 20 | 251 | 12009 | 118760 | (D) | 23744 | 12227 | (D) | 299 | (Z) | (D) |

Table 11. Selected Statistics for Establishments With Payroll for Selected Metropolitan
Areas: 1992-Con.


CT-18 CONNECTICUT

# Table 11. Selected Statistics for Establishments With Payroll for Selected Metropolitan <br> Areas: 1992-Con. 



Table 11. Selected Statistics for Establishments With Payroll for Selected Metropolitan
Areas: 1992-Con.

| $\begin{gathered} \text { SIC } \\ \text { code } \end{gathered}$ | Geographic area and industry | Number of establishments | $\text { employees** }^{\text {All }}$ | Payroll, all employees | Value of construction work | Net value of construction work $\dagger$ | Value added $\dagger \dagger$ | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted out to others | Capital expenditures, other than land | Rela |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | A | B | c | D | E | F | G | H | I | B | E |
|  | NEW YORK-NORTHERN NEW JERSEY-LONG ISLAND, NY-NJ-CT-PA CMSA-Con. <br> Stamford-Norwalk, CT PMSA |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries ---------- | 987 | 6211 | 183104 | 1076075 | 620111 | 355313 | 276985 | 455964 | (S) | 2 | 3 |
| 15 | Building construction-General contractors and operative builders: |  |  |  |  |  |  |  |  |  |  |  |
| 152 | General contractors, residential buildings: |  |  |  |  |  |  |  |  |  |  |  |
| 1521 1522 | Single-family houses $\qquad$ Other residential buildings $\qquad$ | ${ }_{*}^{216}$ | 1031 $* 30$ | ${ }^{25} \times 096$ | 136642 1925 | (D) 1514 | 55385 (D) | ${ }^{42}$ * 944 | (D) | 930 | 6 46 | (D) |
| 1531 | Operative builders ------------------- | 39 | (S) | 6015 | 76154 | 53607 | *37 373 | (S) | (S) | 134 | (S) | 35 |
| 154 | General contractors, nonresidential buildings: |  |  |  |  |  |  |  |  |  |  |  |
| 1541 | Industrial buildings and warehouses $\qquad$ | (S) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 1542 | Nonresidential buildings, n.e.c. ----- | (S) | (S) | (S) | 364665 | 95790 | (D) | 87338 | 268876 | (S) | (S) | 1 |
| 16 | Heavy construction other than building construction-contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1611 | Highway and street construction ----- | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| $\begin{aligned} & 162 \\ & 1622 \end{aligned}$ | Heavy construction, except highway: <br> Bridge, tunnel, and elevated highway construction | 1 | (D) | (D) |  |  | (D) |  | (D) | (D) | (D) |  |
| 1623 | Water, sewer, and utility lines--------- | 10 | 114 | 3510 | 11125 | 10552 | 7680 | (S) | 573 | (D) | 30 | 18 |
| 1629 | Heavy construction, n.e.c. ------------ | *19 | 117 | 3323 | 10746 | 9951 | 7214 | 2798 | 796 | *337 | 21 | 22 |
| 17 | Special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and airconditioning | 152 | 825 | 25392 | 80683 | 75005 | 43767 | 31270 | 5677 | *884 | 9 | 6 |
| 1721 | Painting and paper hanging ---------- | 71 | 302 | 5855 | 14827 | 13741 | 11067 | 2674 | 1086 | 206 | 10 | 10 |
| 1731 | Electrical work ----------------------- | 121 | 554 | 18534 | 49142 | 48750 | (D) | 18865 | 392 | *283 | 9 | 10 |
| 174 | Masonry, stone work, tile setting, and plastering: |  |  |  |  |  |  |  |  |  |  |  |
| 1741 | Masonry, stone setting, and other stone work $\qquad$ | 44 | (S) | (S) | (S) | (S) | (S) | 3650 | (S) | (S) | (S) | (S) |
| 1742 | Plastering, drywall, and insulation work | (S) | (S) | (S) | (S) | (S) | (S) | (S) | 312 | (S) | (S) | (S) |
| 1743 | Terrazzo, tile, marble, and mosaic work $\qquad$ | *15 | *37 | *1 117 | (S) | (S) | (S) | (S) | (S) | (D) | 42 | (S) |
| $\begin{aligned} & 175 \\ & 1751 \\ & 1752 \end{aligned}$ | Carpentry and floor work: <br> Carpentry $\qquad$ <br> Floor laying and other floor work $\qquad$ | (S) | (S) | 4 1 1 296 | 16250 6860 | 6 (S) | 9845 5385 | ${ }_{1}$ (S) | $\begin{array}{r}1 \\ \times \\ \times 774 \\ \\ \hline\end{array}$ | * (S) | (S) | (S) |
| 1761 | Roofing, siding, and sheet metal work $\qquad$ | 33 | (S) | (S) | (S) | (S) | (S) | (S) | *1364 | (D) | (S) | (S) |
| 1771 | Concrete work ----------------------- | 11 | 58 | 2097 | 5735 | (D) | 2700 | 3116 | (D) | (S) | (Z) | (D) |
| 1781 | Water well drilling ------------------- | 4 | 12 | 188 | 846 | 810 | 365 | 445 | 36 | (D) | (Z) | (Z) |
| 179 | Miscellaneous special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1791 1793 | Structural steel erection ------------------ Glass and | (S) | (S) | 1 (D) | (D) | 4 (D) | 2 (D) | (D) 1508 | (D) | (D) | ( C ) | ( D ) |
| 1794 | Excavation work---------------------- | 29 | 207 | 6483 | (D) |  | 16463 |  | (S) | (S) | 22 | (D) |
| 1795 | Wrecking and demolition work ------- | 3 | (D) | (D) | (D) | (D) |  | (D) | ( ${ }^{\text {( }}$ | - | (D) | (D) |
| $\begin{aligned} & 1796 \\ & 1799 \end{aligned}$ | Installing building equipment, n.e.c.Special trade contractors, n.e.c. | (S) | (D) | 9 (D) 9049 |  | 24 (D) | 15903 | 9 (D) | 2 (D25) | (S) | (D) | (D) |
|  | Trenton, NJ PMSA |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries $\qquad$ <br> (See appropriate State for SIC detail.) | 691 | 4984 | 137822 | 746410 | 524888 | 345956 | 195957 | 221522 | 5847 | 2 | 1 |

# Table 11. Selected Statistics for Establishments With Payroll for Selected Metropolitan 

Areas: 1992-Con.

| $\begin{gathered} \text { SIC } \\ \text { code } \end{gathered}$ | Geographic area and industry | Number of establish ments | $\underset{\text { employees** }}{\text { All }}$ | Payroll, all employees | Value of construction work | value of construction work $\dagger$ | Value added $\dagger$ | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted out to others | Capital expend itures, other than land | Rela stan erro estim erer fo colur colu |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | A | B | C | D | E | F | G | H | I | B | E |
|  | NEW YORK-NORTHERN NEW JERSEY-LONG ISLAND, NY-NJ-CT-PA CMSA-Con. <br> Waterbury, CT PMSA |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries ---------- | 569 | 2891 | 84490 | 307681 | 254285 | 158646 | 101436 | 53396 | 4683 | 6 | 6 |
| 15 | Building construction-General contractors and operative builders: |  |  |  |  |  |  |  |  |  |  |  |
| 152 | General contractors, residential buildings: |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 1521 \\ & 1522 \end{aligned}$ | Single-family houses ------------------ Other residential buildings Other residential buildings | 100 (S) | $\begin{array}{r} 237 \\ (\mathrm{~S}) \end{array}$ | $\begin{array}{r} 4749 \\ (\mathrm{~S}) \end{array}$ | $23885 \text { (S) }$ | (D) | $8896$ | $8 \underset{\text { (D) }}{296}$ | (D) | (S) | (S) | (D) |
| 1531 | Operative builders ------------------- | *11 | *21 | *584 | (D) | (D) | *880 | *965 | (D) | (D) | 74 | (D) |
| 154 | General contractors, nonresidential buildings: |  |  |  |  |  |  |  |  |  |  |  |
| 1541 | Industrial buildings and warehouses. | *15 | (S) | (S) | (D) | (D) | (S) | *1930 | (D) | - | (S) | (D) |
| 1542 | Nonresidential buildings, n.---.---------- | 27 | 182 | 4767 | 30818 | 12996 | 4357 | 8676 | 17822 | (S) | 29 | 24 |
| 16 | Heavy construction other than building construction-contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1611 | Highway and street construction ----- | 3 | (D) | 2283 | 8273 | 7468 | 6726 | (D) | 805 | (D) | (D) | (Z) |
| $\begin{aligned} & 162 \\ & 1622 \end{aligned}$ | Heavy construction, except highway: <br> Bridge, tunnel, and elevated <br> highway construction | 1 | (D) | (D) | (D) | (D) | (D) | (D) |  |  |  |  |
| 1623 | Water, sewer, and utility lines-------- | 15 | 153 | 5013 | 15560 | 14409 | 12049 | 2440 | 1151 | *222 | 19 | ( ${ }_{7}$ |
| 1629 | Heavy construction, n.e.c. ---------- | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | 179 | (S) | (S) |
| 17 | Special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and airconditioning | 73 | 552 | 18591 | 55290 | 50163 | 29295 | 24313 | 5127 | 809 | 12 | 10 |
| 1721 | Painting and paper hanging ---------- | 39 | 71 | 1299 | 4820 | 4739 | 3906 | 833 | *81 | *146 | 34 | 28 |
| 1731 | Electrical work ----------------------- | 48 | 331 | 10845 | 31294 | 29614 | 19615 | 10709 | 1680 | 314 | 15 | 12 |
| 174 | Masonry, stone work, tile setting, and plastering: |  |  |  |  |  |  |  |  |  |  |  |
| 1741 | Masonry, stone setting, and other stone work | 35 | 72 | *1461 | *5 230 | *5 190 | *4 043 | (D) | (S) | (D) | 38 | 43 |
| 1742 | Plastering, drywall, and insulation work $\qquad$ | (S) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 1743 | Terrazzo, tile, marble, and mosaic work | - | - | - | - | - | - | - | - | - | - |  |
| 175 1751 | Carpentry and floor work: |  |  |  |  |  |  |  |  |  |  |  |
| 1752 | Floor laying and other floor work ---- | (S) | (S) |  |  |  |  | (S) | (D) | (D) | (S) | (S) |
| 1761 | Roofing, siding, and sheet metal work | 41 | 291 | 8481 | 24404 | 22800 | 13320 | 9481 | 1603 | 480 | 22 | 17 |
| 1771 | Concrete work ---------------------- | 9 | 115 | 3723 | 12272 | 9871 | 8465 | 1436 | *2 401 | 1182 | 28 | 31 |
| 1781 | Water well drilling ------------------- | - | - | - | - | - | - | - | - | - | - | - |
| 179 | Miscellaneous special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1791 1793 | Structural steel erection ------------------ Glass and glazing work | 1 $*$ | (D) | (D) $* 638$ | (D) $* 2590$ | (D) $* 2590$ | (D) $* 1336$ | (D) $* 1441$ | (D) | - | (D) | (D) |
| 1794 | Excavation work w-------------------- | 30 | 137 | 3921 | (D) | (D) | 10947 | (S) | (D) | *41 | 27 | ${ }^{47}$ |
| 1795 | Wrecking and demolition work -------- | (S) | (D) |  | (D) | (D) |  | (D) | (D) | - | (D) | (D) |
| 1796 | Installing building equipment, n.e.c.- | +17 | -69 | (D) |  | (D) | (D) | (D) | (D) | (D) | (Z) | (D) |
| 1799 | Special trade contractors, n.e.c.---- | *17 | 175 | 5739 | 17246 | (D) | (D) | (D) | (D) | (D) | 17 | (D) |
|  | HARTFORD, CT MSA |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} 15,16 \\ 17 \end{gathered}$ | Construction industries .--------- | 3091 | 22380 | 696481 | 2814684 | 2209178 | 1477782 | 774787 | 605506 | 35949 | 1 | 1 |
| 15 | Building construction-General contractors and operative builders: |  |  |  |  |  |  |  |  |  |  |  |
| 152 | General contractors, residential buildings: |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 1521 \\ & 1522 \end{aligned}$ | Single-family houses $\qquad$ Other residential buildings $\qquad$ | $\begin{array}{r} 545 \\ 20 \end{array}$ | $\begin{array}{r} 1446 \\ 145 \end{array}$ | $\begin{array}{r} 29256 \\ 3521 \end{array}$ | $\begin{array}{r} 180510 \\ \text { (D) } \end{array}$ | $\begin{array}{r} 124219 \\ 14414 \end{array}$ | $\begin{array}{r} 62937 \\ 8163 \end{array}$ | $\begin{array}{r} 64078 \\ 6448 \end{array}$ | $\begin{array}{rr} 56 \\ & 291 \\ \text { (D) } \end{array}$ | (S) | 8 29 | 9 |
| 1531 | Operative builders ------------------- | 77 | 313 | 10305 | 88456 | 60354 | (D) | 22498 | 28103 | 680 | 17 | 13 |
| 154 | General contractors, nonresidential buildings: |  |  |  |  |  |  |  |  |  |  |  |
| 1541 | Industrial buildings and warehouses | (S) | (S) | (S) | 17940 | (S) | (S) | 4360 | 11827 | (D) | (S) | (S) |
| 1542 | Nonresidential buildings, n.e.c. ----- | 155 | 1534 | 50863 | 412241 | 139141 | 78578 | 63412 | 273100 | 1813 | 6 | 6 |

Table 11. Selected Statistics for Establishments With Payroll for Selected Metropolitan Areas: 1992-Con.

| $\begin{gathered} \text { SIC } \\ \text { code } \end{gathered}$ | Geographic area and industry | Number of establishments | $\underset{\text { employees** }^{\text {All }}}{ }$ | Payroll, all employees | Value of construction work | value construction work $\dagger$ | Value added $\dagger \dagger$ | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted out to others | Capital expenditures, other than land | Rel stan errr estir per f |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | A | B | C | D | E | F | G | H | 1 | B | E |
|  | HARTFORD, CT MSA-Con. |  |  |  |  |  |  |  |  |  |  |  |
| 15,16, | Construction industries-Con. |  |  |  |  |  |  |  |  |  |  |  |
| 16 | Heavy construction other than building construction-contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1611 | Highway and street construction ----- | 76 | 2171 | 74996 | 353591 | 276514 | 121684 | 158528 | 77078 | 14643 | 2 | 2 |
| $\begin{aligned} & 162 \\ & 1622 \end{aligned}$ | Heavy construction, except highway: Bridge, tunnel, and elevated highway construction | 17 | 462 | 16283 | 53400 | 44665 | 29198 | 15675 | 8735 |  |  |  |
| 1623 | Water, sewer, and utility lines -------- | 40 | 547 | 18310 | 48951 | (D) | 29994 | 15187 | (D) | 776 | 7 | (D) ${ }^{6}$ |
| 1629 | Heavy construction, n.e.c. --------- | 43 | 2881 | (D) | (D) | (D) | (D) | 17391 | 26122 | 1769 | 2 |  |
| 17 | Special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and airconditioning | 431 | 2840 | 87342 | 274732 | 241354 | 144492 | 100875 | 33379 | 3226 | 5 | 3 |
| 1721 | Painting and paper hanging ---------- | 181 | 678 | 16705 | (D) | (D) | 32814 | 9850 | 2122 | 752 | 11 | (D) |
| 1731 | Electrical work ---------------------- | 298 | 1976 | 59198 | 184449 | 177978 | 98388 | 79997 | 6472 | 1961 | 5 | 4 |
| 174 | Masonry, stone work, tile setting, and plastering: |  |  |  |  |  |  |  |  |  |  |  |
| 1741 | Masonry, stone setting, and other stone work | 175 | 1243 | 32679 | 89097 | 84100 | (D) | 29691 | 4997 | 403 | 12 | 9 |
| 1742 | Plastering, drywall, and insulation work $\qquad$ | 100 | 678 | 19100 | 52003 | 47766 | 31313 | 16492 | 4237 | 659 | 6 | 6 |
| 1743 | Terrazzo, tile, marble, and mosaic work $\qquad$ | 19 | 72 | 2044 | *7941 | *7857 | *4 482 | *3 393 | 84 | 36 | 30 | 42 |
| 175 1751 | Carpentry and floor work: Carpentry | 227 | 625 | 13384 | 49681 | 44825 | 27031 | 17811 | 856 |  |  |  |
| 1752 | Floor laying and other floor work ---- | 55 | 363 | (D) | 40992 | (D) | 21195 | 16391 | (D) | (D) | 22 | (D) |
| 1761 | Roofing, siding, and sheet metal work | 130 | 1001 | 30761 | 98422 | 90026 | (D) | 36874 | 8396 | 1044 | 4 | 4 |
| 1771 | Concrete work ----------------------- | 143 | 504 | (D) | (D) | (D) | 20740 | (S) | (S) | (S) | 15 | (D) |
| 1781 | Water well drilling ------------------- | 8 | 36 | 1010 | 3170 | 3066 | 1438 | 1628 | 104 | (D) | 16 | 14 |
| 179 | Miscellaneous special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1791 | Structural steel erection ----------- | 38 | 404 | 11893 | 44774 | (D) | 13853 | 23576 | (D) | 595 | 15 | (D) |
| 1793 | Glass and glazing work ----------- | 21 | 81 | 2 017 | 7796 | 7637 | 4265 | 3 318 | 11 (D) | *34 | 23 | (D) |
| 1794 | Excavation work ------------------ | 96 | 829 | 25533 | 87926 | 76378 | (D) | 22674 | 11547 | 2690 | 3 | 4 |
| 1795 | Wrecking and demolition work ----- | 3 | 19 | 435 | 1213 | (D) | 1071 |  | (D) | (D) | (Z) | (D) |
| 1796 | Installing building equipment, n.e.c.- | 14 | 253 +131 | 11088 | 99 (D) | 83 (D) | 21493 | 5287 | 15 (D) | (D) | (Z) | (D) |
| 1799 | Special trade contractors, n.e.c.---- | 161 | 1131 | 30952 | 99331 | 83435 | (D) | 27227 | 15895 | 757 | 6 | 7 |

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## Summary of Findings

This report provides results from the 1992 Census of Construction Industries for Maine. The report includes data for construction establishments with payroll and shows limited data for establishments with no payroll (nonemployers). (Establishments with no payroll are, for the most part, companies owned and operated by a single person.)

Establishments covered in this report were primarily engaged in contract construction or construction on their own account for sale, as defined in the 1987 Standard Industrial Classification (SIC) Manual. ${ }^{1}$ The SIC Manual defines construction in three broad types: (1) building construction by general contractors or operative builders; (2) heavy construction (highways, power plants, etc.) done by general contractors and selected special trade contractors; and, (3) construction done by special trade contractors such as electricians, plumbers and painters.

During 1992, there were 15,960 establishments in this State operating in the construction industries. These establishments accounted for $\$ 2.3$ billion in total dollar value of business done.

Most of the 15,960 construction establishments were small. Of the total, 11,967 were nonemployers, and over half of the employer establishments had less than 5 employees. The 1,106 construction establishments with 5 employees or more, while representing only 7 percent of all establishments, accounted for more than 68 percent of the total dollar value of business done.

## ESTABLISHMENTS WITH PAYROLL

During 1992, the establishments with paid employees accounted for $\$ 2.0$ billion in total dollar value of business done. Of this amount, $\$ 1.9$ billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to $\$ 379$ million, leaving net value of construction work of $\$ 1.6$ billion. In addition, these establishments paid out $\$ 747$ million for the cost of materials, fuels, power, rental of equipment and buildings,

[^4]and the cost of selected purchased services. Value added for 1992 was $\$ 979$ million. (See Introduction and appendixes for explanation of terms.)

There were 3,993 establishments with total employment averaging 21,445 during the year. Total payroll for 1992 was $\$ 453$ million.

The data in this report covering establishments with payroll were obtained from a sample survey. 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. A separate census report was required from each sample establishment covering domestic operations. Separate reports were not required for each project or construction site.

For 1987 and earlier censuses, receipts from the sale of land were collected separately for general contractors and operative builders. These receipts were included in the total dollar value of business done, but excluded from the value of construction work done. For 1992, receipts from the sale of land were not collected separately, but are still excluded from the value of construction work done. All dollar values are shown in current dollars for the years specified and have not been adjusted for inflation.

Since the data in this report covering employer establishments are estimated from a sample survey, they are subject to sampling variability, as well as errors of response and nonreporting. The relative standard errors shown in the tables are measures of sampling variability. Descriptions of the sampling, estimating procedures, and data reliability are included in the Introduction.

## ESTABLISHMENTS WITHOUT PAYROLL

During 1992, there were 11,967 establishments with no payroll classified as construction. According to administrative records of the Federal Government, their dollar value of business done during 1992 was $\$ 310$ million. Most of these establishments, about 84 percent, were special trade contractors.

For the establishments without payroll, only information on total value of business done was available from administrative records. Statistics on establishments without payroll are shown in table 1 of this report.

Figure 1. Value of Construction Work by Type of Construction
(Percent)


Figure 2. Selected Costs per Dollar Value of Business Done


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1992 and 1987

| $\underset{\text { code }}{\text { SIC }}$ | Industry | All establishments |  |  |  | Establishments without payroll |  |  | Establishments with payroll |  |  |  | Relative standard error of estimate (percent) for column- |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Number | Proprietors and working partners | All employees** | Dollar value of business don | Number | Proprietors and working partners | Dollar value of business done ${ }^{1}$ | Number | Proprietors and working partners | All employees** | Dollar value of business don |  |  |
|  |  | A | B | c | D | E | F | G | H | 1 | $J$ | K | J | K |
|  | 1992 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries .--------- | 15960 | 13794 | 21445 | 2327515 | 11967 | 11869 | 310176 | 3993 | 1925 | 21445 | 2017339 | 2 | 2 |
| 15 | Building construction-General contractors and operative builders $\qquad$ | 2928 | 2172 | 5169 | 766817 | 1710 | 1623 | 80557 | 1218 | 549 | 5169 | 686260 | 4 | 5 |
| 16 | Heavy construction other than building construction-contractors $\qquad$ | 519 | 331 | 4879 | 514677 | 256 | 249 | 8772 | 263 | (S) | 4879 | 505905 | 3 | 2 |
| 17 | Special trade contractors .------------- | 12512 | 11290 | 11397 | 1046021 | 10001 | 9997 | 220847 | 2511 | 1293 | 11397 | 825174 | 3 | 3 |
| 1711 | Plumbing, heating, and air-conditioning -- | 1328 | 1050 | 2318 | 232571 | 833 | 817 | 32991 | 495 | 233 | 2318 | 199580 | 5 | 5 |
| 1731 | Electrical work---------------------------- | 1185 | 965 | 1543 | 138275 | 822 | 816 | 19869 | 363 | 149 | 1543 | 118406 | 7 | 7 |
|  | 1987 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries ${ }^{2}$--------- | 16008 | 12957 | 32706 | 3356436 | 11583 | 11498 | 554644 | 4425 | 1459 | 32706 | 2801792 | 2 | 2 |
| 15 | Building construction-General contractors and operative builders $\qquad$ | 3372 | 2231 | 9948 | 1236365 | 1910 | 1822 | 141369 | 1462 | 409 | 9948 | 1094996 | 3 | 3 |
| 16 | Heavy construction other than building construction-contractors $\qquad$ | 548 | (D) | (D) | (D) | 244 | 244 | 15584 | 304 | (D) | (D) | (D) | (D) | (D) |
| 17 | Special trade contractors .------------- | 11683 | 10077 | 15062 | 1276194 | 9065 | 9108 | 291613 | 2618 | 969 | 15062 | 984581 | 3 | 3 |
| 1711 | Plumbing, heating, and air-conditioning -- | 1114 | 800 | 2875 | 250606 | 693 | 692 | 35817 | 421 | 108 | 2875 | 214789 | 5 | 5 |
| 1731 | Electrical work--------------------------- | 999 | 758 | 2065 | 153286 | 644 | 643 | 21701 | 355 | 115 | 2065 | 131585 | 5 | 5 |

${ }_{2}^{1}$ For 1992, nonemployer records showing revenues greater than $\$ 1$ million were excluded. See Introduction text.
${ }^{2}$ Includes data for "Land Subdividers and Developers," SIC 6552.

Table 2. General Statistics for Establishments With Payroll by Industry: 1992 and 1987
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| $\begin{gathered} \text { SIC } \\ \text { code } \end{gathered}$ | Industry | 1992 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Employees** |  |  | Payroll |  | Value of construction work | Net value of construction work $\dagger$ | Value added $\dagger \dagger$ |
|  |  | Number of establishments | All | Construction workers | $\begin{array}{r} \text { All } \\ \text { employees } \end{array}$ | Construction workers |  |  |  |
|  |  | A | B | C | D | E | F | G | H |
| $\begin{gathered} 15,16 \\ 17 \end{gathered}$ | Construction industries ${ }^{1}$. | 3993 | 21445 | 16585 | 453040 | 334492 | 1949900 | 1571233 | 979122 |
| 15 | Building construction-General contractors and operative builders: |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 152 \\ & 1521 \end{aligned}$ | General contractors, residential buildings: <br> Single-family houses | 940 | 3367 | 2459 | 55805 | 40156 | 320310 | 237240 | 133678 |
| 1522 | Other residential buildings ------------1-1 | 46 | 116 | 95 | 1457 | 980 | 8749 | 6616 | 3854 |
| 1531 | Operative builders _ | 61 | 259 | 148 | 6087 | 2916 | 81904 | 57089 | 34024 |
| $\begin{aligned} & 154 \\ & 1541 \end{aligned}$ | General contractors, nonresidential buildings: Industrial buildings and warehouses | 50 | 400 | 306 | 9484 | 6295 | 50302 | 31433 | 18412 |
| 1542 | Nonresidential buildings, n.e.c.--------- | 121 | 1028 | 738 | 25859 | 16261 | 209698 | 91410 | 52503 |
| 16 | Heavy construction other than building constructioncontractors: |  |  |  |  |  |  |  |  |
| 1611 | Highway and street construction | 70 | 2691 | 2168 | 72449 | 55427 | 234715 | 202932 | 142760 |
| $\begin{aligned} & 162 \\ & 1622 \end{aligned}$ | Heavy construction, except highway: <br> Bridge, tunnel, and elevated highway construction | 3 | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 1623 | Water, sewer, and utility lines------------------------------ | 38 | 642 | 498 | 17224 | 12420 | 76519 | 60142 | 42683 |
| 1629 | Heavy construction, n.e.c.------------------------------------- | 153 | 1452 | 1160 | 34874 | 27384 | 155056 | 127181 | 84988 |
| 17 | Special trade contractors: |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and air-conditioning --------------------- | 495 | 2318 | 1607 | 52208 | 35548 | 191826 | 172185 | 107541 |
| 1721 | Painting and paper hanging | 171 | 586 | 482 | 8636 | 7169 | 25514 | 24616 | 18420 |
| 1731 | Electrical work | 363 | 1543 | 1192 | 35347 | 26512 | 113860 | 110485 | 64717 |
| $\begin{aligned} & 174 \\ & 1741 \end{aligned}$ | Masonry, stonework, tile setting, and plastering: Masonry, stone setting, and other stonework. | 154 | 557 | 477 | 9723 | (D) | (D) | 30441 | 21488 |
| 1742 | Plastering, drywall, and insulation work .--- | 73 | 621 | 482 | 12871 | 9041 | 38637 | 35909 | 20024 |
| 1743 | Terrazzo, tile, marble, and mosaic work-- | 6 | (D) | 11 | *172 | *111 | *632 | *632 | *330 |
| 175 | Carpentry and floor work: |  |  |  |  |  |  |  |  |
| 1751 | Carpentry ------------------------------------------------- | 369 | 983 | 840 | 16370 | 14253 | 76178 | 68583 | 41294 |
| 1752 | Floor laying and other floor work-------------------------- | 68 | 193 | 144 | 3409 | 2595 | 14674 | 13510 | 9033 |
| 1761 | Roofing, siding, and sheet metal work ----------------------- | 125 | 746 | 604 | 16429 | 11363 | 58014 | 56732 | 30318 |
| 1771 | Concrete work | 245 | 1162 | 982 | 21968 | 17434 | 83865 | 79142 | 47355 |
| 1781 | Water well drilling ------------------------------------------- | 55 | 213 | 171 | 4071 | 3427 | 18658 | 18429 | 10250 |
| 179 1791 | Miscellaneous special trade contractors: <br> Structural steel erection. | 7 | (D) | 58 | *1797 | *1458 | *4375 | *4375 | *2 690 |
| 1793 | Glass and glazing work | 11 | 38 | 23 | 799 | 400 | 3338 | 3329 | 1394 |
| 1794 | Excavation work .---- | 227 | 1185 | 935 | 23770 | 18495 | 87175 | 82694 | 56416 |
| 1795 | Wrecking and demolition work ----------------------------------------------- | 3 | (S) | (S) | (S) | (S) | (S) | (D) | (S) |
| 1796 | Installing building equipment, n.e.c.------------------------- | 23 | 409 | 328 | 6172 | 4848 | 13896 | 13475 | 10709 |
| 1799 | Special trade contractors, n.e.c. -------------------------- | 116 | 746 | (D) | (D) | 10100 | 38567 | (D) | (D) |

${ }^{1}$ For 1987, includes data for "Land Subdividers and Developers," SIC 6552. For 1992, SIC 6552 data are included in the Census of Financial, Insurance, and Real Estate Industries.

\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{6}{|c|}{1992-Con.} \& \multicolumn{3}{|c|}{1987} \& \multicolumn{3}{|l|}{\multirow[b]{2}{*}{Relative standard error of estimate (percent) for column-}} \& \multirow{3}{*}{$$
\underset{\text { code }}{\text { SIC }}
$$} <br>
\hline Cost of materials, components, supplies, and fuels \& Cost of construction work subcontracted out to others \& Value of contruction work subcontracted in from others \& Rental cost of machinery, equipment, and buildings \& Capital expenditures, other than land \& End-of-year gross book value of depreciable assets \& $$
\underset{\text { employees** }}{\text { All }}
$$ \& $$
\begin{array}{r}
\text { Value } \\
\text { of } \\
\text { construction } \\
\text { work }
\end{array}
$$ \& Value added $\dagger \dagger$ \& \& \& \& <br>
\hline 1 \& J \& K \& L \& M \& N \& 0 \& P \& Q \& B \& G \& M \& <br>
\hline 659550 \& 378667 \& 428976 \& 33824 \& 47760 \& 549794 \& 32706 \& 2701081 \& 1374526 \& 2 \& 2 \& 5 \& $$
\begin{gathered}
15,16, \\
17 \\
15
\end{gathered}
$$ <br>
\hline 110677
3026 \& 83070
2133 \& 19436
538 \& 3446

68 \& 4124
$* 86$ \& 36574
408 \& $\begin{array}{r}5468 \\ 787 \\ \hline\end{array}$ \& 421697
103294 \& 171027
33702 \& 26 \& 27 \& 28

56 \& $$
\begin{aligned}
& 152 \\
& 1521 \\
& 1522
\end{aligned}
$$ <br>

\hline 23367 \& 24815 \& (S) \& *952 \& *402 \& 2605 \& 765 \& 145632 \& (D) \& 26 \& 28 \& 63 \& 1531 <br>
\hline 46369 \& 18869
118289 \& (S)
$* 8153$ \& 776
1750 \& (D) \& 12935
17580 \& 365
2563 \& 66774
317027 \& 13692
91 \& 11
11 \& 7 \& (D) \& 154
1541
1542 <br>
\hline \& \& \& \& \& \& \& \& \& \& \& \& 16 <br>
\hline 79267 \& 31783 \& 59004 \& 6988 \& 10532 \& 121212 \& 2152 \& 192991 \& 106208 \& 3 \& 4 \& 10 \& 1611 <br>

\hline $$
\begin{aligned}
& \text { (D) } \begin{array}{l}
\text { (D) } \\
22178 \\
46 \\
254
\end{array}
\end{aligned}
$$ \& (D)

16337
27875 \& 184
24837
26636 \& (D)
1259
5761 \& (D)
2916
12841 \& (D)
44189
92285 \& (D)
932
4236 \& (D)
103797
354726 \& (D)
61580
242682 \& (D)
7
9 \& (D) \& (D) \& 162
1622
1623
1629 <br>
\hline \& \& \& \& \& \& \& \& \& \& \& \& 17 <br>
\hline 72399 \& 19641 \& 68858 \& 3566 \& 1910 \& 27356 \& 2875 \& 206533 \& 109869 \& 5 \& 5 \& 25 \& 1711 <br>
\hline 6428 \& 898 \& 10839 \& 768 \& 615 \& 3797 \& 1218 \& 39157 \& 31023 \& 11 \& 10 \& 19 \& 1721 <br>
\hline 50314 \& 3375 \& 48448 \& 869 \& *1 136 \& 10897 \& 2065 \& 131004 \& 76734 \& 7 \& 6 \& 44 \& 1731 <br>

\hline $$
\begin{array}{r}
8991 \\
16678 \\
305
\end{array}
$$ \& (D) \& \[

$$
\begin{array}{r}
15384 \\
33520 \\
\\
\text { (D) }
\end{array}
$$
\] \& 515

$* 429$ \& \[
$$
\begin{array}{r}
* 857 \\
* 22 \\
\text { (D) }
\end{array}
$$

\] \& \[

$$
\begin{array}{r}
12076 \\
5684 \\
41
\end{array}
$$
\] \& 1103

1522
109 \& 48684
106069

8854 \& $$
\begin{array}{r}
34530 \\
76901 \\
3662
\end{array}
$$ \& 14

16
(D) \& 14
15
45 \& 46
42
(D) \& 174
1741
1742
1743 <br>

\hline $$
\begin{array}{rr}
27 & 426 \\
\text { (D) }
\end{array}
$$ \& \[

$$
\begin{array}{r}
7595 \\
1164
\end{array}
$$
\] \& 14383

8476 \& 725
177 \& 1040
127 \& 7860
2986 \& $\begin{array}{r}1628 \\ 158 \\ \hline\end{array}$ \& 101329
12458 \& 53604
7682 \& 11
9 \& 12

9 \& 24 \& $$
\begin{aligned}
& 175 \\
& 1751 \\
& 1752
\end{aligned}
$$ <br>

\hline 26626 \& 1282 \& 24702 \& 651 \& *667 \& 11843 \& 943 \& 65868 \& 39295 \& 12 \& 11 \& 51 \& 1761 <br>
\hline 31787 \& 4724 \& 26472 \& 741 \& 2374 \& 33740 \& 1086 \& 65415 \& 35026 \& 9 \& 9 \& 19 \& 1771 <br>
\hline 8320 \& 229 \& 1042 \& *357 \& *764 \& *27 220 \& 181 \& 15591 \& 11403 \& 29 \& 24 \& 45 \& 1781 <br>
\hline \& \& \& \& \& \& \& \& \& \& \& \& 179
1791 <br>
\hline 2 2880 \& \& 2422 \& 170 \& \& \& 37 \& 2308
3692 \& 1455
1496 \& (Z) \& (Z) \& (D) \& 1791 <br>
\hline 32550 \& 4481 \& 22100 \& 2728 \& 5279 \& 62690 \& 1273 \& 95173 \& 65318 \& 12 \& 11 \& 26 \& 1794 <br>
\hline 32 (S) \& (D) \& (D) \& (D) \& (D) \& (D) \& (S) \& (D) \& *1096 \& (S) \& (D) \& (D) \& 1795 <br>
\hline \& 421 \& 2296 \& 171 \& *210 \& 2126 \& 150 \& 14951 \& 9563 \& 6 \& 9 \& 44 \& 1796 <br>
\hline 17976 \& (D) \& 6651 \& 638 \& *436 \& 7812 \& 637 \& 40391 \& 26592 \& 15 \& (D) \& 45 \& 1799 <br>
\hline
\end{tabular}

Table 3. Detailed Statistics for Establishments With Payroll: 1992 and Earlier Census Years
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Item | 1992 | 1987 | 1982 | 1977 | Relative standard error of estimate (percent) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 1992 | 1987 | 1982 | 1977 |
|  | 3993 | 4425 | 2696 | 3312 | 1 | 1 | 3 | 4 |
|  | 1925 | 1459 | 1135 | 1974 | 3 | 6 | 6 | 7 |
|  | 21445 | 32706 | 17490 | 19606 | 2 | 2 | 3 | 2 |
| Construction workers: | 12410 |  | 11024 | 13472 |  |  |  |  |
| May - | 16792 | 27470 | 14690 | 18310 | 2 | 2 | 2 | 3 |
| August | 19802 | 30640 | 16970 | 19407 | 2 | 2 | 3 | 2 |
| November Average | 17336 | 26590 26779 | 15354 <br> 14 <br> 89 | 16476 16930 | 2 | 2 | 4 | 2 |
| Other employees: |  |  |  |  |  |  |  |  |
| March-------- | 4745 | 6078 | 2641 | 3155 | 3 | 7 | (NA) ${ }^{4}$ | (NA) ${ }^{3}$ |
| May --- | 4812 4825 |  |  |  | 3 3 | 2 2 |  | (NA) |
| November- | 5059 | 5867 | (NA) | (NA) | 3 | 3 | (NA) | (NA) |
| Average | 4860 | 5926 | (NA) | (NA) | 3 | 3 | (NA) | (NA) |
| Payroll, all employees . | 453040 | 636884 | 251290 | 191037 | 1 | 1 |  | 2 |
| Payroll, construction workers | 334492 | 488532 | 201362 | 158830 | 1 | 1 | 2 | ${ }_{3}^{2}$ |
| Payroll, other employees ---- | 118548 | 148352 | 49928 | 32207 | 2 | 2 | 3 |  |
|  | 86446 | 130758 | 48830 | 37372 | 2 | 2 | 2 | 2 |
| Fringe benefits, all employees | 107728 | 145534 | 47285 | 31520 |  |  |  |  |
| Legally required expenditures Voluntary expenditures | 77721 30008 | 106063 39470 | 36695 10590 | 23163 8356 | 3 4 | 2 2 | 3 3 | 2 |
| Dollar value of business done | 2017339 | 2801792 | 1015302 | 736249 | 2 |  |  |  |
| Value of construction work -- | 1949900 | 2701081 | 985663 | 705930 | 2 | 2 | 2 | 2 |
| Value of construction work subcontracted in from others | 428976 | 605725 | 180370 | 140972 | 5 | 7 | 5 | 3 |
| Other business receipts --------------------------------- | 67439 | 64188 | 25476 | 30320 | 6 | 5 | 6 |  |
| Net value of construction $\dagger$-- | 1571233 | 2164313 | 805037 | 587401 | 2 | 2 | 2 | 2 |
| Value addedtt- | 979122 | 1374526 | 486011 | 344809 | 2 | 3 | 2 | 2 |
| Selected costs . | 1038216 | 1390743 | 525127 | 387474 |  |  |  |  |
| Materials, components, and supplies -------- | 607730 | 801561 | 315710 | 250647 | 2 | 2 | 2 | 3 |
| Construction work subcontracted out to others | 378667 | 536767 | 180625 | 118528 | 4 | 3 | 4 | 5 |
| Selected power, fuels, and lubricants.. | 51819 | $\begin{array}{r}52414 \\ 6 \\ \hline\end{array}$ | 28791 | 18 189 1814 | 3 | 2 3 | 3 | 3 |
| Electricity--------- | 7131 1 | 6397 | 3290 | 1814 | 6 | 3 | 3 | 6 |
| Natural gas ------------- | 11223 37769 | 994 40882 | 23058 | 14292 | 8 | 9 <br> 3 | 18 4 4 | 23 3 |
| On highway use.- | 25883 | 28474 | (NA) | (NA) | 3 | 3 | (NA) | (NA) |
| Off highway use--- | 11886 | 12408 | (NA) | (NA) | 5 | 3 | (NA) |  |
| Other, including lubricating oils and greases | 5696 | 4193 | 1896 | 1988 | 5 | 5 | 5 | 8 |
| Rental cost for machinery, equipment, and buildings | 33824 | 55706 | 23769 | 10391 | 6 | 3 | 2 |  |
| For machinery and equipment --------- | 22885 | 45034 | 21113 | 8971 | 8 | 4 | 2 | 3 |
| For buildings-------------------------- | 10939 | 10671 | 2656 | 1421 | 8 | 6 | 8 | 6 |
| Selected purchased services . | 53859 | 55607 | 23718 | 19728 | 6 | 3 | 4 |  |
| Communication services | 12598 | 11127 | 4763 | 3906 | 10 | 4 | 4 | 6 |
| Repairs to buildings and other structures | 1791 | 4840 | 1141 | 667 | 14 | 10 | 9 | 14 |
|  | 39471 | 39639 | 17814 | 15155 | 6 | 4 | 4 | 3 |
| Ownership of construction projects: |  |  |  |  |  |  |  |  |
| Value of construction work -- | 1949900 | 2701081 | 985663 | 705930 | 2 | 2 | 2 | 2 |
| Government owned | 534025 | 468953 | 282934 | 148764 | 4 | 4 | ${ }^{6}$ | ${ }^{1}$ |
| Federal ------- | 91590 442435 | 168760 <br> 300192 | (NA) | (NA) | 9 | 7 <br> 5 | (NA) | (NA) |
| Privately owned --------------- | 1415875 | 2232127 | 702728 | 557166 | 4 | $\begin{aligned} & 5 \\ & 3\end{aligned}$ | (NA) | ${ }_{2}$ |

Note: Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of Financial, Insurance, and Real Estate Industries.

Table 4. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1992 and 1987

| Item | 1992 | 1987 | Relative standard error of estimate (percent) |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1992 | 1987 |
| BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT |  |  |  |  |
| Beginning-of-year gross book value of depreciable assets | 521735 | 481358 |  | 5 |
| Capital expenditures, other than land ----------------- | 47760 | 89436 | 5 | 6 |
| New -------------------------- | 35083 | 74387 | 4 | ${ }^{6}$ |
|  | 12676 19 | 15049 25466 | 13 11 | 15 18 |
|  | 549794 | 545329 | 5 | 4 |
| Depreciation charges during year_ | 58229 | 65430 | 6 | 5 |
| Buildings and Other Structures, Additions, and Related Facilities |  |  |  |  |
|  | 62858 | 80 <br> 11445 <br> 095 | 12 | 9 |
| Capital expenditures, other than land $\qquad$ <br> New buildings and other structures $\qquad$ | 3519 2918 | 11445 8024 | 11 8 | 12 |
| New buildings and other structures Used buildings and other structures $\qquad$ | 2918 (S) | 8024 3420 | (S) | 12 29 |
| Retirements and disposition of depreciable assets | *1772 | 1441 | 67 | 27 |
|  | 64604 | 90099 | 12 | 9 |
|  | 6927 | 8458 | 23 | 14 |
| Machinery and Equipment |  |  |  |  |
|  | 458878 44241 | 401263 77991 | 6 | 5 |
|  |  | 66362 | 5 | 7 |
|  | 10357 | 31745 | 10 | 10 |
|  | 12075 | 11629 | 13 | 18 |
|  | 17928 | 24025 | 10 | 19 |
|  | 485190 | 455229 | 5 | 5 |
|  | 51302 | 56971 | 6 | 5 |

Note: Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of Financial, Insurance, and Real Estate Industries.

Table 5. Value of Inventories for Establishments With Payroll: 1992 and 1991
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

${ }^{1}$ Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 6. Selected Statistics for Establishments With Payroll by Employment Size Class:
1992 and 1987
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Selected statistics | Total | Establishments with an average of- |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{array}{r} 1 \text { to } 4 \\ \text { employees } \end{array}$ | $\begin{array}{r} 5 \text { to } 9 \\ \text { employees } \end{array}$ | $\begin{array}{r} 10 \text { to } 19 \\ \text { employees } \end{array}$ | $\begin{array}{r} 20 \text { to } 49 \\ \text { employees } \end{array}$ | $\begin{array}{r} 50 \text { to } 99 \\ \text { employees } \end{array}$ | 100 to 249 employees | 250 to 499 employees | $\begin{aligned} & 500 \text { to } 999 \\ & \text { employees } \end{aligned}$ | $\begin{array}{r} 1,000 \\ \text { employees } \\ \text { or more } \end{array}$ |
| 1992 |  |  |  |  |  |  |  |  |  |  |
| Number of establishments | 3993 | 2886 | 623 | 324 | 122 | 25 | 10 | 1 | - | 1 |
| All employees** | 21445 | 5160 | 3947 | 4221 | 3442 | 1645 | 3032 | (D) | - | (D) |
| Payroll, all employees | 453040 | 78494 | 74711 | 96337 | 81798 | 42036 | 79664 | (D) | - | (D) |
| Dollar value of business done | 2017339 | 424014 | 322697 | 452892 | 358359 | 182716 | 276660 | (D) | - | (D) |
| Value of construction work ---- | 1949900 | 416135 | 312949 | 441394 | 341345 | 175700 | $\frac{262377}{203}$ | (D) | - | (D) |
| Net value of construction workt ------------------------------------ | 1571233 | 362845 | 262108 | 339122 | 251812 | 135038 | $\underline{220309}$ | (D) | - | (D) |
| Value addedt† ----------------------------------------- | 979122 | 217161 | 156500 | 208503 | 159151 | 86681 | 151126 | (D) | - | (D) |
| Cost of materials, components, supplies, and fuels ----- | 659550 | 153563 | 115356 | 142117 | 109675 | 55372 | $\frac{83466}{42068}$ | (D) | - | (D) |
| Cost of construction work subcontracted out to others --- Rental cost for machinery, equipment, and buildings | $\begin{array}{r}378 \\ 33627 \\ \hline 824\end{array}$ | 53290 5913 | 50841 5899 | 102271 6033 | 89533 7215 | 40663 3380 | 42068 | (D) | - | (D) |
| Capital expenditures, other than land -.-.-------------- | 47760 | 6758 | 5719 | 6831 | 7216 | 5411 | 15825 | (D) | - | (D) |
| End-of-year gross book value of depreciable assets ----- | 549794 | 99657 | 76537 | 76230 | 108055 | 75723 | 1113592 | (D) | - | (D) |
| 1987 |  |  |  |  |  |  |  |  |  |  |
| All employees** | 32706 | (S) | 6572 | 4424 | 6603 | 3204 | 2771 | 3465 | - | (D) |
| Value addedt† ----------------------------------------------------- | 1374526 | (S) | 251744 | 178188 | 263499 | 147546 | - 1256537 | 194532 | - | (D) |
| 1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT) |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | - |  |
| Net value of construction work $\dagger$ $\qquad$ Capital expenditures, other than land | 2 5 | -6 | -9 | 7 19 | 4 8 | (Z) ${ }^{4}$ | (Z) | (D) | - | (D) |

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies. Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of Financial, Insurance, and Real Estate Industries.

Table 7. Selected Statistics by Size Class of Dollar Value of Business Done for Establishments With Payroll: 1992 and 1987
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Selected statistics | Total | Establishments with dollar value of business done- |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { Less than } \\ & \$ 25,000 \end{aligned}$ | $\begin{array}{r} \$ 25,000 \\ \text { to } \\ \$ 49,999 \end{array}$ | $\begin{array}{r} \$ 50,000 \\ \text { to } \\ \$ 99,999 \end{array}$ | $\begin{aligned} & \$ 100,000 \\ & \text { to } \\ & \$ 249,999 \end{aligned}$ | $\begin{aligned} & \$ 250,000 \\ & \text { to } \\ & \$ 499,999 \end{aligned}$ | $\begin{aligned} & \$ 500,000 \\ & \text { to } \\ & \$ 999,999 \end{aligned}$ | $\begin{aligned} & \$ 1,000,000 \\ & \text { to } \\ & \$ 2,499,999 \end{aligned}$ | $\begin{aligned} & \$ 2,500,000 \\ & \text { to } \\ & \$ 4,999,999 \end{aligned}$ | $\begin{aligned} & \$ 5,000,000 \\ & \text { to } \\ & \$ 9,999,999 \end{aligned}$ | $\begin{array}{r} \$ 10,000,000 \\ \text { or more } \end{array}$ |
| 1992 |  |  |  |  |  |  |  |  |  |  |  |
| Number of establishments | 3993 | (S) | (S) | 702 | 1262 | 693 | 357 | 255 | 73 | 31 | 19 |
| All employees** | 21445 | (S) | (S) | 1072 | 2965 | 3217 | 3323 | 3770 | 2169 | 1180 | 3276 |
| Payroll, all employees | 453040 | (S) | (S) | 12883 | 45088 | 57260 | 62797 | 90690 | 55067 | 30782 | 94577 |
| Dollar value of business done | 2017339 | (S) | (S) | 51085 | 199433 | 245501 | 251527 | 403573 | 241264 | 200914 | 408030 |
| Value of construction work - | 1949900 | (S) | (S) | 50229 | 195530 | 238867 | 242264 | 388645 | 237183 | 194212 | 387091 |
| Net value of construction work $\dagger$ - | 1571233 | (S) | (S) | 47523 | 178258 | 215145 | 211070 | 313596 | 190511 | 113492 | 287035 |
| Value addedtt-- | 979122 | (S) | (S) | 28936 | 107788 | 130386 | 135547 | 185566 | 114081 | 74527 | 193661 |
| Cost of materials, components, supplies, and fuels | 659550 | (S) | (S) | 19443 | 74373 | 91393 | 84786 | 142957 | 80511 | 45667 | 114313 |
| Cost of construction work subcontracted out to others | 378667 | (S) | (S) | 2706 | 17272 | 23723 | 31194 | 75050 | 46672 | 80720 | 100056 |
| Rental cost for machinery, equipment, and |  |  |  |  |  |  |  |  |  |  |  |
|  | 33824 47760 | (S) | (S) | 514 1136 | 2798 2815 | 4838 5507 | $\begin{aligned} & 2702 \\ & 3 \\ & 3 \end{aligned}$ | $\begin{array}{ll} 5 & 897 \\ 6 & 7 \end{array}$ | $\begin{aligned} & 6658 \\ & 5 \end{aligned}$ | $3069$ | $\begin{array}{r} 7086 \\ 18774 \end{array}$ |
| Capital expenditures, other than land End-of-year gross book value of depreciable assets $\qquad$ | 47760 549794 | (S) | (S) | 1136 (S) | 2815 48412 | 5607 103667 | 3291 19544 | 6789 86236 | 5956 82722 | 3049 48492 | 18774 147887 |
| 1987 |  |  |  |  |  |  |  |  |  |  |  |
| All employees** | 32706 | (S) | (S) |  | (S) | 4165 | 4090 |  | 3576 | 2427 |  |
| Value added $\dagger \dagger$----------- | 2 1 374526 | (S) | (S) | (S) | (S) | 142123 | 169048 | 229517 | 196028 | 125721 |  |
| 1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT) |  |  |  |  |  |  |  |  |  |  |  |
|  | 2 |  | (S) |  |  |  | 9 | 7 | 4 | 7 |  |
| Net value of construction work $\dagger$---------------- | 2 | (S) | (S) | 9 | 7 | 9 | 9 | 8 | 6 | 8 | (Z) |
| Capital expenditures, other than land ------------ | 5 | (S) | (S) | 28 | 25 | 25 | 28 | 18 | 12 | 4 | (Z) |

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies. Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of Financial, Insurance, and Real Estate Industries.

# Table 8. Value of Construction Work for Establishments With Payroll by Type of Construction: 1992 and 1987 

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 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 |
| 1992 |  |  |  |  |  |  |  |  |
| Value of construction work ----------------------------------------- | 1949900 | 936444 | 555048 | 329790 | 2 | 3 | 3 | 3 |
|  | $\begin{array}{r}1236155 \\ 594287 \\ \hline\end{array}$ | 686348 355437 | 327801 141631 | 222006 97218 | 3 5 | 4 8 8 | 4 6 | 5 8 |
|  | 567628 | 336628 | 137666 | 93334 | 5 | 8 | 6 6 | 8 |
| Single-family houses, attached, including townhouses and townhouse-type condominiums | 26659 | 18810 | 3966 | 3883 | 23 | 31 | 20 | 22 |
| Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives | 42862 | 23864 | 10704 | 8294 | 11 | 17 | 18 | 16 |
| Other residential buildings, including hotels, motels, and tourist cabins------- | 14431 | - 5109 | 4925 | 4397 | 14 | 21 | 23 13 | 24 |
|  | 66781 | 33256 | 22231 | 11295 | 8 | 9 | 13 | 14 |
| Other commercial buildings such as stores, restaurants, and automobile service stations | 176535 | 109769 | 43234 | 23532 | 7 | 7 | 16 | 11 |
|  | 131609 | 56305 | 38253 | 37051 | 5 | 7 | 8 | 8 |
| Industrial buildings ------ | 111184 | 43411 | 33766 | 34007 | 5 | 8 | 9 | 8 |
| Warehouses-- | 20425 | 12895 | 4487 | 3043 | 10 | 10 | 14 | 21 |
| Educational buildings ------------ | $\begin{array}{r}115613 \\ 55 \\ \hline\end{array}$ | 52829 | 36619 | 26164 | 8 | 6 | 18 | 9 |
| Hospitals and institutional buildings Other nonresidential buildings | 55335 38701 | 29923 19855 | 21437 8766 | 3976 10081 | 9 ${ }^{9}$ | 9 27 | 13 17 | 12 5 |
| Nonbuilding construction_ | 585128 | 250097 | 227247 | 107784 | 2 | 4 | 3 | 5 |
| Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc. $\qquad$ | 247103 | 64499 | 147705 | 34899 | 3 | 7 | 3 | 7 |
| Private driveways and parking areas -----------------------------1-1-- | 23632 | 16220 | 3326 | 4085 | 15 | 17 | 13 | 23 |
| Bridges, tunnels, and elevated highways | 16192 | 8033 | 7245 | 914 | (Z) | (Z) | (Z) | 2 |
| Marine construction - | 14115 | (D) | (D) | 2906 | 19 | (D) | (D) | 38 |
| Conservation and development construction ---------------------1i------ | 46692 12527 | 37363 (D) | 8475 | (S) | 13 31 | 15 <br> 34 | 24 35 | (S) |
| Sewers, water mains, and related facilities.-------------------------------- | 100195 | 65039 | 22184 | 12972 | 5 | 6 | 8 | 7 |
| Sewers, sewer lines, septic systems, and related facilities | 70106 | 47416 | 17119 | 5572 | 5 | 6 | 6 | 13 |
|  | 30088 | 17623 | 5065 | (S) | 7 | 8 | 19 | (S) |
| Blast furnaces, petroleum refineries, chemical complexes, etc.--------------- | 38086 | 9280 | 5686 | 23119 | 4 | 4 | 2 | 4 |
|  | 17708 25139 | 20 (D) | 2275 | 13290 1983 | 17 5 | (D) | (D) | 22 35 |
| Sewage treatment plants | 13142 | 11951 | 632 | *559 | 3 | 1 | 10 | 57 |
| Water treatment plants - | 11997 | 8930 | 1643 | *1424 | 10 | 5 | 12 | 43 |
| Other nonbuilding construction | 43739 | 12956 | 18861 | 11923 | 10 | 20 | 10 | 15 |
| Construction work, n.s.k.-- | 128617 | (NA) | (NA) | (NA) | 11 | (NA) | (NA) | (NA) |
| 1987 |  |  |  |  |  |  |  |  |
| Value of construction work | 2701081 | 1619158 | 638636 | 297264 | 2 | 3 | 2 | 3 |
|  | 1794860 833750 | 1196541 613394 | 408080 144946 | 172640 75409 | 3 4 | 4 5 | 3 6 | 4 |
|  | 664039 | 459488 | 134461 | 70089 | 4 | 6 | 7 | 7 |
| Single-family houses, attached, including townhouses and townhouse-type condominiums | 169710 | 153905 | 10484 | 5320 | 10 | 10 | 14 | 21 |
| Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives |  | 68853 | 16707 | 7579 | 8 | 10 | 18 | 20 |
| Other residential buildings, including hotels, motels, and tourist cabins-------- | 96320 | 63028 | 22649 | 10642 | 10 | 13 | 13 | 18 |
|  | 146106 | 103235 | 34132 | 8738 | 4 | 4 | 9 | 6 |
| Other commercial buildings such as stores, restaurants, and automobile service stations | 209542 | 125890 | 65609 | 18042 | 4 | 4 | 9 | 11 |
|  | 236367 | 152031 | 46439 | 37896 | 11 | 16 | 4 | 9 |
| Industrial buildings | 183697 | 115566 | 32562 | 35567 | 13 | 20 | 6 | 9 |
|  | 52670 | 36465 | 13876 | 2329 | 8 | 11 | 3 | 11 |
| Educational buildings ----------- | 72262 | 33310 | 34042 | 4909 | 9 | 8 | 15 | 9 |
|  | 59104 48269 | 27420 21639 | 26888 19 | 4795 7521 | (NA) ${ }^{8}$ | (NA) | (NA) ${ }^{8}$ | (NA) ${ }^{9}$ |
| Other nonresidential buildings ---------------------------------------------------- | 48269 | 21639 | 19116 | 7521 | (NA) | (NA) | (NA) | (NA) |
|  | 760200 | 410358 | 228108 | 121734 | 2 | 3 | 2 | 3 |
| Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc. | 186478 | 100465 | 54514 | 31498 | 6 | 7 | 7 | 7 |
|  | 16877 23750 | 12543 15653 | *2045 | 2287 2650 | 21 12 | 23 16 | $\begin{array}{r}46 \\ 8 \\ \hline\end{array}$ | 37 15 |
|  | 100986 | 75339 | 16 269 | 2650 9 | 12 6 | +6 | ${ }_{9}^{8}$ | 15 14 |
| Sewers, sewer lines, septic systems, and related facilities -------------------- | 63519 | 49328 | 8182 | 6008 | 5 | 5 | 6 | 20 |
| Water mains and related facilities.---------------1-1 | 37466 | 26010 | 8087 | 3368 | 12 | 14 | 15 | 14 |
| Power plants -------------1 | 99770 | 75256 | 2557 | 21956 |  |  | (z) | (Z) |
| Sewage treatment and water treatment plants Other nonbuilding construction $\qquad$ | 14476 317863 | 13645 117457 | $\begin{array}{r}146841 \\ \hline 86\end{array}$ | $\begin{array}{r} 389 \\ 53577 \end{array}$ | (NA) | (NA) | ( NA ) | (NA) |
| Construction work, n.s.k.------------------------------------------------------------ | 146021 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |

Note: Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of Financial, Insurance, and Real Estate Industries.

# Table 9. Quarterly Construction Worker Employment for Establishments With Payroll by Industry: 1992 

| SIC code | Industry | Number of establishments | Average number of construction workers | Construction workers ${ }^{1}$ |  |  |  | Relative standard error of estimate (percent) for column- |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | January <br> to March | $\begin{aligned} & \text { April } \\ & \text { to June } \end{aligned}$ | July <br> to September | October <br> to December |  |  |  |  |  |  |
|  |  | A | B | C | D | E | F | A | B | c | D | E | F |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries .------ | 3993 | 16585 | 12410 | 16792 | 19802 | 17336 | 1 | 2 | 2 | 2 | 2 | 2 |
| 15 | contractors and operative builders: <br> General contractors, residential buildings: <br> Single-family houses $\qquad$ <br> Other residential buildings $\qquad$ |  |  |  |  |  |  |  |  |  |  |  |  |
| 152 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 1521 \\ & 1522 \end{aligned}$ |  | 940 46 | 2459 95 | 2079 78 | 2550 90 | 2870 136 | 2338 75 | 4 34 | 6 33 | 7 3 | 6 3 | 6 36 | 6 36 |
| 1531 | Operative builders ------------------ | 61 | 148 | 94 | 175 | 187 | 137 | 25 | 33 | 37 | 31 | 34 | 34 |
| 154 | General contractors, nonresidential buildings: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1541 | Industrial buildings and warehouses | 50 | 306 | 176 | 202 | 410 | 433 | 31 | 12 | 17 | 15 | 15 | 7 |
| 1542 | Nonresidential buildings, n.-.-.-.------- | 121 | 738 | 632 | 716 | 778 | 825 | 16 | 12 | 11 | 13 | 13 | 13 |
| 16 | Heavy construction other than building construction-contractors: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1611 | Highway and street construction----- | 70 | 2168 | 1481 | 2296 | 2525 | 2371 | 13 | 3 | 2 | 3 | 3 | 4 |
| $\begin{aligned} & 162 \\ & 1622 \end{aligned}$ | Heavy construction, except highway: <br> Bridge, tunnel, and elevated <br> highway construction | 3 |  | (D) |  |  |  |  |  |  |  |  |  |
| 1623 | Water, sewer, and utility lines------ | 38 | 498 | 331 | 519 | 598 | 544 | 24 | ${ }_{7}$ | 8 | $\left.{ }^{( }\right)$ | 9 | 9 |
| 1629 | Heavy construction, n.e.c. -------- | 153 | 1160 | 731 | 1104 | 1511 | 1294 | 16 | 9 | 12 | 9 | 10 | 9 |
| 17 | Special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and airconditioning | 495 | 1607 | 1382 | 1581 | 1876 | 1589 | 4 | 5 | 5 | 5 | 4 | 6 |
| 1721 | Painting and paper hanging --------- | 171 | 482 | 329 | 462 | 614 | 524 | 8 | 11 | 12 | 11 | 12 | 15 |
| 1731 | Electrical work----------------------- | 363 | 1192 | 1088 | 1098 | 1355 | 1227 | 5 | 7 | 8 | 7 | 9 | 8 |
| 174 | Masonry, stonework, tile setting, and plastering: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1741 | Masonry, stone setting, and other stonework | 154 | 477 | 359 | 502 | 564 | 481 | 9 | 13 | 15 | 14 | 13 | 14 |
| 1742 | Plastering, drywall, and insulation work | 73 | 482 | 452 | 490 | 459 | 526 | 18 | 15 | 14 | 14 | 17 | 15 |
| 1743 | Terrazzo, tile, marble, and mosaic work $\qquad$ | 6 | 11 | *10 | 11 | 11 | *10 | 24 | 39 | 42 | 39 | 39 | 42 |
| $\begin{aligned} & 175 \\ & 1751 \end{aligned}$ | Carpentry and floor work: <br> Carpentry $\qquad$ | 369 | 840 | 659 | 844 | 1015 | 840 | 6 | 10 | 11 | 10 | 11 | 11 |
| 1752 | Floor laying and other floor work -- | 68 | 144 | 149 | 149 | 150 | 129 | 15 | 12 | 14 | 11 | 12 | 13 |
| 1761 | Roofing, siding, and sheet metal work $\qquad$ | 125 | 604 | 471 | 582 | 694 | 671 | 15 | 13 | 10 | 13 | 13 | 14 |
| 1771 | Concrete work----------------------- | 245 | 982 | 473 | 1098 | 1351 | 1008 | 9 | 9 | 10 | 10 | 9 | 10 |
| 1781 | Water well drilling ------------------- | 55 | 171 | 153 | 173 | 178 | 180 | 20 | 28 | 28 | 28 | 27 | 27 |
| 179 | Miscellaneous special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1791 | Structural steel erection ---------- Glass and glazing work | 7 11 | 58 23 | (S) | 58 21 | 74 23 | 60 25 | (Z) | $\begin{array}{r}37 \\ \text { (Z) } \\ \hline\end{array}$ | (S) | 36 | 31 |  |
| 1794 | Excavation work wor---------------- | 227 | 935 | 540 | 1037 | 1224 | 937 | 12 | 12 | ${ }_{15}$ | 12 | (12 | 12 |
| 1795 | Wrecking and demolition work----- | 3 | (S) | (S) | (S) | (S) | (S) | (Z) | (S) | (S) | (S) | (S) | (S) |
| 1796 1799 | Installing building equipment, <br> n.e.c. $\qquad$ Special trade contractors, n.e.c. --- | $\begin{array}{r} 23 \\ 116 \end{array}$ | $\begin{gathered} 328 \\ \text { (D) } \end{gathered}$ | $\begin{array}{r} 215 \\ \text { (D) } \end{array}$ | $\begin{gathered} 301 \\ \text { (D) } \end{gathered}$ | $\begin{gathered} 369 \\ \text { (D) } \end{gathered}$ | $\begin{gathered} 425 \\ \text { (D) } \end{gathered}$ | $\begin{aligned} & 34 \\ & 16 \end{aligned}$ | $\left({ }_{(\mathrm{D})}^{8}\right.$ | (D) | (D) | (D) | (D) |

[^5]Table 10. Selected Industry Ratios for Establishments With Payroll in This State: 1992
[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| $\underset{\text { code }}{\text { SIC }}$ | Industry | Average number of employees** per establishment | $\begin{array}{r} \text { Payroll } \\ \text { per } \\ \text { employee } \\ (\$ 1,000) \end{array}$ | $\begin{array}{r} \text { Value of } \\ \text { construction } \\ \text { work } \\ \text { per } \\ \text { construction } \\ \text { worker } \\ (\$ 1,000) \end{array}$ | Average per dollar value of construction work |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Payroll, employees | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted out to others | Value of construction work subcontracted in from others | $\begin{array}{r} \text { Rental } \\ \text { cost } \\ \text { for } \\ \text { machinery, } \\ \text { equipment, } \\ \text { and } \\ \text { buildings } \end{array}$ |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries .- | 5.4 | 21.1 | 117.6 | . 232 | . 338 | . 194 | . 220 | . 017 |
| 15 | Building construction-General contractors and operative builders: |  |  |  |  |  |  |  |  |
| 152 1521 152 | General contractors, residential buildings: Single-family houses | 3.6 | 16.6 | 130.3 | . 174 | . 346 | . 259 | . 061 | . 011 |
| 1522 |  | 2.5 | 12.6 | 92.1 | . 167 | . 346 | . 244 | *. 061 | . 008 |
| 1531 | Operative builders ------------- | 4.3 | 23.5 | 553.4 | . 074 | . 285 | . 303 | (S) | *. 012 |
| $\begin{aligned} & 154 \\ & 1541 \\ & 1542 \end{aligned}$ | General contractors, nonresidential buildings: <br> Industrial buildings and warehouses $\qquad$ <br> Nonresidential buildings, n.e.c. | 8.0 8.5 | 23.7 25.2 | 164.4 284.1 | .189 .123 | (D) | .375 .564 | *.(S) | .015 .008 |
| 16 | Heavy construction other than building constructioncontractors: |  |  |  |  |  |  |  |  |
| 1611 | Highway and street construction ----------------------------- | 38.7 | 26.9 | 108.3 | . 309 | . 338 | . 135 | . 251 | . 030 |
| $\begin{aligned} & 162 \\ & 1622 \end{aligned}$ | Heavy construction, except highway: <br> Bridge, tunnel, and elevated highway construction |  |  |  |  | (D) | (D) | (D) | (D) |
| 1623 | Water, sewer, and utility lines------------------------------ | 16.9 | 26.8 | 153.7 | . 225 | . 290 | . 214 | . 325 | . 016 |
| 1629 |  | 9.5 | 24.0 | 133.7 | . 225 | . 298 | . 180 | . 172 | . 037 |
| 17 | Special trade contractors: |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and air-conditioning | 4.7 | 22.5 | 119.4 | . 272 | . 377 | . 102 | . 359 | . 019 |
| 1721 | Painting and paper hanging ----------------------------------- | 3.4 | 14.7 | 52.9 | . 338 | . 252 | . 035 | . 425 | . 030 |
| 1731 | Electrical work --------------------------------------------------- | 4.2 | 22.9 | 95.5 | . 310 | . 442 | . 030 | . 426 | . 008 |
| 174 1741 | Masonry, stonework, tile setting, and plastering: Masonry stone setting and other stonework | 3.6 |  |  | (D) |  |  |  |  |
| 1742 | Plastering, drywall, and insulation work ---------------------- | 8.5 | 20.7 | 80.2 | . 333 | 432 | (S) | . 868 | *.011 |
| 1743 | Terrazzo, tile, marble, and mosaic work-------------------- | (D) | (D) | 57.5 | . 272 | . 483 |  | (D) |  |
| 175 | Carpentry and floor work: |  |  |  |  |  |  |  |  |
| 1751 | Carpentry ---------------------------------------------- | 2.7 2.8 | 16.7 | 90.7 | . 215 | . 360 | . 100 | .189 .878 | . 010 |
| 1752 | Floor laying and other floor work-------------------------- | 2.8 | 17.7 | 101.9 | . 232 | (D) | . 079 | . 578 | . 012 |
| 1761 | Roofing, siding, and sheet metal work ---------------------- | 6.0 | 22.0 | 96.0 | . 283 | . 459 | . 022 | . 426 | . 011 |
| 1771 | Concrete work -- | 4.7 | 18.9 | 85.4 | . 262 | . 379 | . 056 | . 316 | . 009 |
| 1781 | Water well drilling ----------------------------------------------- | 3.9 | 19.1 | 109.1 | . 218 | . 446 | . 012 | . 056 | *. 019 |
| 179 1791 | Miscellaneous special trade contractors: Structural steel erection | (D) | (D) | 75.4 | 411 | . 385 |  | (S) |  |
| 1793 | Glass and glazing work ------------------------------------------------ | 3.5 | 21.0 | 145.1 | . 239 | . 713 | . 003 | . 725 | . 051 |
| 1794 | Excavation work ---------------------------------------------------------- | 5.2 | 20.1 | 93.2 | . 273 | . 373 | . 051 | . 254 | . 031 |
| 1795 |  | (S) | (S) | (S) | (S) | (S) | (D) | (D) | (D) |
| 1796 | Installing building equipment, n.e.c.------------------------- | 17.8 | 15.1 | 42.4 | . 444 | (D) | . 030 | . 165 | . 012 |
| 1799 | Special trade contractors, n.e.c. --------------------------- | 6.4 | (D) | (D) | (D) | . 466 | (D) | . 172 | . 017 |

## Table 11. Selected Statistics for Establishments With Payroll for Selected Metropolitan Areas: 1992



ME-14 MAINE

# Table 11. Selected Statistics for Establishments With Payroll for Selected Metropolitan 

Areas: 1992-Con.


Table 11. Selected Statistics for Establishments With Payroll for Selected Metropolitan Areas: 1992-Con.

| [Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes] |
| :--- |
| SIC <br> code |

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## Summary of Findings

This report provides results from the 1992 Census of Construction Industries for Massachusetts. The report includes data for construction establishments with payroll and shows limited data for establishments with no payroll (nonemployers). (Establishments with no payroll are, for the most part, companies owned and operated by a single person.)

Establishments covered in this report were primarily engaged in contract construction or construction on their own account for sale, as defined in the 1987 Standard Industrial Classification (SIC) Manual. ${ }^{1}$ The SIC Manual defines construction in three broad types: (1) building construction by general contractors or operative builders; (2) heavy construction (highways, power plants, etc.) done by general contractors and selected special trade contractors; and, (3) construction done by special trade contractors such as electricians, plumbers and painters.

During 1992, there were 55,254 establishments in this State operating in the construction industries. These establishments accounted for $\$ 13.0$ billion in total dollar value of business done.

Most of the 55,254 construction establishments were small. Of the total, 41,807 were nonemployers, and over half of the employer establishments had less than 5 employees. The 4,127 construction establishments with 5 employees or more, while representing only 7 percent of all establishments, accounted for more than 74 percent of the total dollar value of business done.

## ESTABLISHMENTS WITH PAYROLL

During 1992, the establishments with paid employees accounted for $\$ 11.5$ billion in total dollar value of business done. Of this amount, $\$ 11.4$ billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to $\$ 3.1$ billion, leaving net value of construction work of $\$ 8.2$ billion. In addition, these establishments paid out $\$ 3.7$ billion for the cost of

[^6]materials, fuels, power, rental of equipment and buildings, and the cost of selected purchased services. Value added for 1992 was $\$ 5.1$ billion. (See Introduction and appendixes for explanation of terms.)

There were 13,447 establishments with total employment averaging 86,755 during the year. Total payroll for 1992 was $\$ 2.5$ billion.

The data in this report covering establishments with payroll were obtained from a sample survey. 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. A separate census report was required from each sample establishment covering domestic operations. Separate reports were not required for each project or construction site.

For 1987 and earlier censuses, receipts from the sale of land were collected separately for general contractors and operative builders. These receipts were included in the total dollar value of business done, but excluded from the value of construction work done. For 1992, receipts from the sale of land were not collected separately, but are still excluded from the value of construction work done. All dollar values are shown in current dollars for the years specified and have not been adjusted for inflation.

Since the data in this report covering employer establishments are estimated from a sample survey, they are subject to sampling variability, as well as errors of response and nonreporting. The relative standard errors shown in the tables are measures of sampling variability. Descriptions of the sampling, estimating procedures, and data reliability are included in the Introduction.

## ESTABLISHMENTS WITHOUT PAYROLL

During 1992, there were 41,807 establishments with no payroll classified as construction. According to administrative records of the Federal Government, their dollar value of business done during 1992 was $\$ 1.4$ billion. Most of these establishments, about 85 percent, were special trade contractors.

For the establishments without payroll, only information on total value of business done was available from administrative records. Statistics on establishments without payroll are shown in table 1 of this report.

Figure 1. Value of Construction Work by Type of Construction
(Percent)


Figure 2. Selected Costs per Dollar Value of Business Done


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1992 and 1987

| $\underset{\text { code }}{\text { SIC }}$ | Industry | All establishments |  |  |  | Establishments without payroll |  |  | Establishments with payroll |  |  |  | Relative standard error of estimate (percent) for column- |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Number | Proprietors and working partners | All employees** | Dollar value of business done | Number | Proprietors and working partner | Dollar value of business done | Number | Proprietors and working partners | All em- | Dollar value of business done |  |  |
|  |  | A | B | C | D | E | F | G | H | 1 | J | K | J | K |
|  | 1992 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries ---------- | 55254 | 44772 | 86755 | 12974785 | 41807 | 40696 | 1425861 | 13447 | 4076 | 86755 | 11548924 | 1 | 1 |
| 15 | Building construction-General contractors and operative builders $\qquad$ | 9405 | 5952 | 17967 | 4687969 | 5838 | 5127 | 472932 | 3567 | 825 | 17967 | 4215037 | 2 | 3 |
| 16 | Heavy construction other than building construction-contractors $\qquad$ | 1282 | 564 | 12993 | 2257837 | 481 | 423 | 21100 | 801 | 141 | 12993 | 2236737 | 1 | 1 |
| 17 | Special trade contractors .------------- | 44568 | 38255 | 55795 | 6028979 | 35488 | 35146 | 931829 | 9080 | 3109 | 55795 | 5097150 | 1 | 1 |
| 1711 | Plumbing, heating, and air-conditioning -- | 5300 | 3777 | 12007 | 1456647 | 3385 | 3313 | 133858 | 1915 | (S) | 12007 | 1322789 | 2 | 2 |
| 1731 | Electrical work---------------------------- | 5338 | 4148 | 11639 | 1184765 | 3724 | 3664 | 88859 | 1614 | 484 | 11639 | 1095906 | 2 | 1 |
|  | 1987 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries ${ }^{2}$--------- | 61171 | 45908 | 143625 | 19210213 | 43312 | 42436 | 3563092 | 17859 | 3472 | 143625 | 15647121 | 1 | 1 |
| 15 | Building construction-General contractors and operative builders $\qquad$ | 13243 | 7787 | 41552 | 8247502 | 7732 | 6922 | 1102297 | 5511 | 865 | 41552 | 7145205 | 1 | 1 |
| 16 | Heavy construction other than building construction-contractors $\qquad$ | 1221 | 397 | 14475 | 1753732 | 370 | 334 | 42461 | 851 | 63 | 14475 | 1711271 | 1 | 1 |
| 17 | Special trade contractors --------------- | 45108 | 36406 | 86550 | 7963263 | 33868 | 33892 | 1356813 | 11240 | 2514 | 86550 | 6606450 | 1 | 1 |
| 1711 | Plumbing, heating, and air-conditioning -- | 4864 | 3081 | 17765 | 1749496 | 2691 | 2670 | 164891 | 2173 | 411 | 17765 | 1584605 | 2 | 2 |
| 1731 | Electrical work--------------------------- | 4610 | 3156 | 17067 | 1320774 | 2803 | 2782 | 111785 | 1807 | 374 | 17067 | 1208989 | 1 | 1 |

${ }^{1}$ For 1992, nonemployer records showing revenues greater than $\$ 1$ million were excluded. See Introduction text.
${ }^{2}$ Includes data for "Land Subdividers and Developers," SIC 6552.

Table 2. General Statistics for Establishments With Payroll by Industry: 1992 and 1987
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| $\underset{\text { Sode }}{\text { SIC }}$ | Industry | 1992 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Employees** |  |  | Payroll |  | Value of construction work | Net value of construction work $\dagger$ | Value added $\dagger \dagger$ |
|  |  | Number of establishments | All | Construction workers | $\begin{array}{r} \text { All } \\ \text { employees } \end{array}$ | Construction workers |  |  |  |
|  |  | A | B | C | D | E | F | G | H |
| $\begin{gathered} 15,16 \\ 17 \end{gathered}$ | Construction industries ${ }^{1}$-- | 13447 | 86755 | 64329 | 2508784 | 1705809 | 11383768 | 8249178 | 5073767 |
| 15 | Building construction-General contractors and operative builders: |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 152 \\ & 1521 \end{aligned}$ | General contractors, residential buildings: <br> Single-family houses | 2151 | 6766 | 4916 | 138735 | 90818 | 878341 | 605577 | 302552 |
| 1522 | Other residential buildings-------------------- | 168 | 782 | 550 | 21315 | 13311 | 111335 | 71027 | 42173 |
| 1531 | Operative builders | 372 | 1457 | 732 | 40896 | 18329 | 647281 | 414646 | 209810 |
| $\begin{aligned} & 154 \\ & 1541 \end{aligned}$ | General contractors, nonresidential buildings: Industrial buildings and warehouses -------------------- | 145 | 1150 | 720 | 37426 | 22211 | 225901 | 112124 | 80674 |
| 1542 | Nonresidential buildings, n.e.c.----------- | 731 | 7813 | 4953 | 254391 | 139980 | 2300667 | 835234 | 419185 |
| 16 | Heavy construction other than building constructioncontractors: |  |  |  |  |  |  |  |  |
| 1611 | Highway and street construction | 230 | 2858 | 2285 | 91552 | 70332 | 415591 | 336260 | 214453 |
| $\begin{aligned} & 162 \\ & 1622 \end{aligned}$ | Heavy construction, except highway: <br> Bridge, tunnel, and elevated highway construction | 32 | 1557 | 1178 | 69542 | 46639 | 497175 | 324593 | 212732 |
| 1623 | Water, sewer, and utility lines.---- | 249 | 3007 | 2373 | 97329 | 69665 | 390419 | 314118 | 196178 |
| 1629 | Heavy construction, n.e.c. --- | 290 | 5571 | 3291 | 227464 | 119608 | 897848 | 700045 | 505242 |
| 17 | Special trade contractors: |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and air-conditioning | 1915 | 12007 | 8747 | 374420 | 264823 | 1305949 | 1108895 | 663691 |
| 1721 | Painting and paper hanging --------------------------------- | 712 | 3055 | 2539 | 61771 | 48154 | 163573 | 154155 | 117088 |
| 1731 | Electrical work | 1614 | 11639 | 8918 | 362397 | 257001 | 1082981 | 1034318 | 645328 |
| $\begin{aligned} & 174 \\ & 1741 \end{aligned}$ | Masonry, stonework, tile setting, and plastering: Masonry, stone setting, and other stonework. | 539 | 2673 | 2253 | 60836 | 47781 | 193731 | 181082 | 124486 |
| 1742 | Plastering, drywall, and insulation work ------ | 424 | 2952 | 2391 | 79571 | 62070 | 245092 | 222640 | 149080 |
| 1743 | Terrazzo, tile, marble, and mosaic work | 84 | 330 | 261 | 9117 | (S) | 23422 | 22514 | 14177 |
| 175 | Carpentry and floor work: |  |  |  |  |  |  |  |  |
| 1751 | Carpentry ----------------------------------------------- | 1114 | 3418 | 2722 | 74238 | 55473 | 312528 | 260813 | 145715 |
| 1752 | Floor laying and other floor work | 237 | 833 | 614 | 17847 | 11332 | 105590 | 88427 | 43047 |
| 1761 | Roofing, siding, and sheet metal work ---------------------- | 460 | 3102 | 2355 | 79358 | 56408 | 292806 | 265447 | 154826 |
| 1771 | Concrete work ---------------------------------------------- | 555 | 3173 | 2711 | 73405 | 59325 | 263499 | 243691 | 150240 |
| 1781 | Water well drilling ----------------------------------------------- | 49 | 260 | 187 | 7994 | 5557 | 25825 | 25529 | 15961 |
| 179 | Miscellaneous special trade contractors: |  |  |  |  |  |  |  |  |
| 1791 | Structural steel erection.--- | 79 | 1693 | 1473 | 56479 | 46428 | 143975 | 131386 | 99631 |
| 1793 | Glass and glazing work ------------------------------------- | 107 | 536 | 342 | 12683 | 7184 | 42370 | 41327 | 25107 |
| 1794 | Excavation work -------------------------------------------- | 454 | 2382 | 1864 | 63183 | 47905 | 229682 | 202215 | 150797 |
| 1795 | Wrecking and demolition work ----------------------------------------------- | 34 | 342 | 291 | 8017 | 6083 | 29911 | 27111 | 23179 |
| 1796 | Installing building equipment, n.e.c.--------------------------- | 121 | 2786 | 2167 | 76995 | 57208 | 223823 | 217119 | 164174 |
| 1799 | Special trade contractors, n.e.c. --------------------------- | 581 | 4615 | 3495 | 111822 | 75553 | 334452 | 308888 | 204240 |

${ }^{1}$ For 1987, includes data for "Land Subdividers and Developers," SIC 6552. For 1992, SIC 6552 data are included in the Census of Financial, Insurance, and Real Estate Industries.

| 1992-Con. |  |  |  |  |  | 1987 |  |  | Relative standard error of estimate (percent) for column- |  |  | $\underset{\text { code }}{\text { SIC }}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted out to others | Value of contruction work subcontracted in from others | Rental cost of machinery, equipment, and buildings | Capital expenditures, other than land | End-of-year gross book value of depreciable assets | $\underset{\text { employees** }}{\text { All }}$ | $\begin{array}{r} \text { Value } \\ \text { of } \\ \text { construction } \\ \text { work } \end{array}$ | Value added $\dagger \dagger$ |  |  |  |  |
| 1 | J | K | L | M | N | 0 | P | Q | B | G | M |  |
| 3340568 | 3134589 | 3186392 | 161115 | 125187 | 1502862 | 143625 | 15082398 | 7056735 | 1 | 1 | 3 | $\begin{aligned} & \frac{15,16,}{17} \\ & 15 \end{aligned}$ |
| 319197 31599 | 272764 40308 | $\begin{array}{r}36300 \\ * 5284 \\ \hline\end{array}$ | (S) $* 1801$ | $\begin{array}{r}8 \\ * 1479 \\ \hline\end{array}$ | 79717 14152 | 15444 3985 | 1508197 885953 | $\begin{array}{ll} 636 & 125 \\ 210 & 180 \end{array}$ | 4 14 | [ ${ }^{5}$ | 14 61 | $\begin{aligned} & 152 \\ & 1521 \\ & 1522 \end{aligned}$ |
| 215869 | 232635 | 2257 | (S) | 2234 | 39209 | 5535 | 1275204 | 369665 | 8 | 15 | 25 | 1531 |
| 32248 436809 | 113777 1465434 | 10 70870 | 1667 13482 | 685 7500 | 21138 102346 | 3148 13440 | 607382 2528221 | 164943 767358 | 12 3 | 7 3 | 18 11 | $\begin{aligned} & 154 \\ & 1541 \\ & 1542 \end{aligned}$ |
|  |  |  |  |  |  |  |  |  |  |  |  | 16 |
| 134554 | 79331 | 88514 | 9812 | 12370 | 171920 | 3991 | 508928 | 262652 | 4 | 2 | 7 | 1611 |
| $\begin{aligned} & 122876 \\ & 122946 \\ & 201740 \end{aligned}$ | $\begin{array}{r} 172582 \\ 76301 \\ 197803 \end{array}$ | 13506 98093 196531 | 7223 13426 22170 | 6897 14789 9605 | 55210 142490 164198 | 514 3378 6592 | 60456 358332 723218 | 29143 224219 399637 | 3 5 2 | 1 4 1 | 5 11 10 | 162 1622 1623 1629 |
|  |  |  |  |  |  |  |  |  |  |  |  | 17 |
| 462043 | 197054 | 618989 | 19830 | 12185 | 140586 | 17765 | 1563375 | 832123 | 2 | 2 | 10 | 1711 |
| 37418 | 9417 | 88482 | 2729 | 2502 | 18737 | 5210 | 264982 | 198646 | 4 | 5 | 18 | 1721 |
| 401914 | 48664 | 662404 | 13045 | 10046 | 94007 | 17067 | 1203412 | 738819 | 2 | 2 | 14 | 1731 |
| 57245 | 12649 | 115030 | 3105 | 2232 | 33100 | 4968 | 298477 | 201844 | 9 | 4 | 19 | 174 1741 |
| 76593 | 22.453 | 177851 | 3315 |  |  | 6470 | 482165 | 287807 | 9 | 10 | 23 | 1742 |
| 10630 | ${ }^{*} 908$ | 12441 | 223 | (S) | (S) | 577 | 44310 | 26321 | 16 | 12 | (S) | 1743 |
| $\begin{array}{r} 118080 \\ 50623 \end{array}$ | 51715 17163 | 120920 69877 | 3593 <br> 1405 <br> 4671 | ${ }_{661}^{(S)}$ | 26900 7489 | 6703 1667 | 440947 157656 | 228119 83572 | ${ }_{7}^{6}$ | 5 6 | (S) | $\begin{aligned} & 175 \\ & 1751 \\ & 1752 \end{aligned}$ |
| 115724 | 27359 | 138167 | 4671 | (D) | 47092 | 6262 | 444392 | 252178 | 5 | 5 | (D) | 1761 |
| 94124 | 19809 | 177484 | 6288 | 4772 | 72157 | 4442 | 320081 | 197318 | 5 | 5 | 13 | 1771 |
| 9568 | 296 | 5934 | 448 | *492 | *18598 | 378 | 29631 | 18291 | 13 | 12 | 43 | 1781 |
| 31996 | 12589 | 129773 | 2046 | 2010 | 16872 | 2022 | 149182 | 110820 | 7 | 4 | 19 | 179 1791 |
| 19592 | 1044 | 26266 | 827 | *214 | 4457 | 1453 | 123305 | 61537 | 8 | 7 | 51 | 1793 |
| 61841 | 27468 | 100268 | 6672 | 6456 | 128872 | 4236 | 423366 | 295260 | 8 | 7 | 17 | 1794 |
| 5003 | 2799 | 16282 |  |  | 6516 |  | 32808 | 27366 | 13 | 4 | (D) | 1795 |
| 54508 | 6705 | 62719 | 3513 | *1727 | 12354 | 1 618 | 150103 3781 | 105236 | 2 | 2 | 44 | 1796 |
| 115827 | 25564 | 142139 | 7620 | 9719 | 62474 | 5385 | 378371 | 238724 | 5 | 4 | 11 | 1799 |

Table 3. Detailed Statistics for Establishments With Payroll: 1992 and Earlier Census Years
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]


Note: Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of Financial, Insurance, and Real Estate Industries.

Table 4. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1992 and 1987

| Item | 1992 | 1987 | Relative standard error of estimate (percent) |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1992 | 1987 |
| BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT |  |  |  |  |
|  | 1440168 | 1517186 |  | 4 |
|  | 125187 | 260507 | 3 | 3 |
|  | 95302 | 220422 | 4 | 3 |
|  | 62493 | 139122 | 11 | 18 |
|  | 1502862 | 1638571 | 2 | 3 |
|  | 160590 | 221060 | 3 | 2 |
| Buildings and Other Structures, Additions, and Related Facilities |  |  |  |  |
| Beginning-of-year gross book value of depreciable assets | 203848 9618 | 459168 33 | ${ }_{11}^{6}$ | 12 |
| Capital expenditures, other than land $\qquad$ <br> New buildings and other structures | 9618 7516 | 33361 24142 | 11 13 | 7 |
|  | 7103 2103 |  | 20 | ${ }_{16} 8$ |
|  | *9765 | 88361 | 57 | 29 |
|  | 203701 | 404168 | 6 | 9 |
|  | 15800 | 34631 | 10 | 8 |
| Machinery and Equipment |  |  |  |  |
|  | 1236320 | 1058018 | 2 | 2 |
|  | 115569 | 227145 | 3 | 3 |
|  |  |  | 4 5 5 | 3 |
|  | 27782 | 30866 | 5 | 6 |
| Retirements and disposition of depreciable assets ----------------1-1- | 52728 | 50761 | 7 | 9 |
|  | 1299161 | 1234403 | 2 | 2 |
| Depreciation charges during year_ | 144790 | 186429 | 3 | 2 |

Note: Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of Financial, Insurance, and Real Estate Industries.

Table 5. Value of Inventories for Establishments With Payroll: 1992 and 1991
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Item | Establishments with payroll | Relative standard error of estimate (percent) |
| :---: | :---: | :---: |
| All establishments: |  |  |
| Number ------ | 13447 | 1 |
| Value of construction work | 11383768 | 1 |
| Establishments with inventories: |  |  |
| Number --- | 3651 | 2 |
| Value of construction work | 3888996 | 1 |
| Inventories': End of 1992, materials and supplies | 122273 | 7 |
| End of 1991, materials and supplies | 117728 | 11 |
| Establishments with no inventories: |  |  |
| Number --------------- | 4706 | 2 |
| Value of construction work | 4421614 | 1 |
| Establishments not reporting: |  |  |
|  | 5091 | 2 |
|  | 3073158 | 1 |

${ }^{1}$ Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 6. Selected Statistics for Establishments With Payroll by Employment Size Class:
1992 and 1987
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Selected statistics | Total | Establishments with an average of- |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{array}{r} 1 \text { to } 4 \\ \text { employees } \end{array}$ | $\begin{array}{r} 5 \text { to } 9 \\ \text { employees } \end{array}$ | $\begin{array}{r} 10 \text { to } 19 \\ \text { employees } \end{array}$ | $\begin{array}{r} 20 \text { to } 49 \\ \text { employees } \end{array}$ | $\begin{array}{r} 50 \text { to } 99 \\ \text { employees } \end{array}$ | $100 \text { to } 249$ employees | 250 to 499 employees | 500 to 999 employees | 1,000 employees or more |
| 1992 |  |  |  |  |  |  |  |  |  |  |
| Number of establishments | 13447 | 9321 | 2238 | 1139 | 560 | 122 | 54 | 8 | 5 | 1 |
|  | 86755 | 17244 | 14346 | 14984 | 16411 | 8224 | 7543 | 2617 | 5386 | (D) |
| Payroll, all employees ----------------------------------- | 2 508784 | 331958 | - 352706 | 431964 1 | 528686 | 315810 | 247873 | 87640 | 212148 | (D) |
| Dollar value of business done | 11548924 | 1939372 | 1423413 1399881 | 1802335 1774237 1 | 2 2 2 1 19770818 | 1705048 1680032 | 1312148 1279576 | 434677 434264 | 704871 | (D) |
| Net value of construction workt------------------------------------- | 8249178 | 1530892 | 1110928 | 1329874 | 1597372 | 1066138 | 732499 | 277873 | $\underline{603603}$ | (D) |
| Value added $\dagger \dagger$ - | 5073767 | 841100 | 664145 | 821612 | 995451 | 690144 | 408237 | 185164 | 467914 | (D) |
| Cost of materials, components, supplies, and fuels ----- | 3340568 | 715965 | 470315 | 536360 | 631273 | 401010 | 356834 | 93122 | $\frac{135689}{}$ |  |
| Cost of construction work subcontracted out to others.-- | 3134589 | 382307 | 288952 | 444363 | 600337 | 613894 | 547077 | 156391 | 101268 | (D) |
| Rental cost for machinery, equipment, and buildings.--- | 161115 | 23852 | 25802 | 27091 | 34441 | 22704 | 15541 | 3724 | 7960 | (D) |
| Capital expenditures, other than land ----------------- | 125187 | 26665 | 17963 | 23569 | 22611 | 15419 | 17898 |  | 1062 | (D) |
| End-of-year gross book value of depreciable assets .---- | 1502862 | 285996 | 251021 | 306189 | 305512 | 157451 | 125886 | 70808 | (D) | (D) |
| 1987 |  |  |  |  |  |  |  |  |  |  |
| All employees** | 143625 | (S) | 26200 | 25767 | 29860 | 16171 | 14599 | 4735 | 5000 | (D) |
| Value of construction work | 15082398 | (S) | 2222872 | 2352997 | 3227491 | 2127814 | 1829885 | 1217153 | (D) | (D) |
| 1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT) |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | (Z) |  |  |
| Net value of construction work† ------------------------------- Capital expenditures, other than land --- |  |  | 11 |  | 2 |  | $(\mathrm{Z})$ | $\begin{aligned} & (\mathrm{Z}) \\ & (\mathrm{D}) \end{aligned}$ | (Z) | (D) |

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies. Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of Financial, Insurance, and Real Estate Industries.

Table 7. Selected Statistics by Size Class of Dollar Value of Business Done for Establishments With Payroll: 1992 and 1987
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]


Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies. Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of Financial, Insurance, and Real Estate Industries.

# Table 8. Value of Construction Work for Establishments With Payroll by Type of Construction: 1992 and 1987 

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 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 |
| 1992 |  |  |  |  |  |  |  |  |
| Value of construction work | 11383768 | 5545295 | 3708182 | 1821104 | 1 | 3 | 1 | 2 |
| Building construction -- Single-family houses | 8 228 121 <br> 2 361 364 | 4156946 1460174 | 2861448 588313 | $\begin{array}{r}1209727 \\ 312877 \\ \hline 288702\end{array}$ | 2 | 3 9 | 1 | 2 |
| Single-family houses ----------- | 2 <br> 2 <br> 2 <br> 121 <br> 194 | 1460174 1324947 | 5887313 527545 | 312877 268702 | 6 | 10 | 4 <br> 4 | 4 |
| Single-family houses, attached, including townhouses and townhouse-type condominiums | 240170 | (S) | 60768 | 44176 | 7 | (S) | 7 | 7 |
| Apartment buildings with two or more units, including rentals, apartment---1ype condominiums, and cooperatives $\qquad$ | 313610 | 96759 | 129959 | 86892 | 4 | 6 6 | 6 | 6 |
|  | 114112 | 54905 | 42949 | 16258 |  | 6 | 8 | 7 |
|  | 1112728 | 438181 | 506401 | 168146 | 2 | 3 | 3 | 4 |
| Other commercial buildings such as stores, restaurants, and automobile service stations | 1246838 | 642156 | 393390 | 211292 | 3 | 2 | 5 | 7 |
|  | 1061799 | 469655 | 357304 | 234840 | 2 | 2 | 3 3 3 | 3 |
|  | 889398 | 367198 | 318566 | 203635 | 2 | 2 | 3 | 4 |
|  | 172400 | 102457 | 38738 | 31205 | 3 | 4 | 5 <br> 7 | 9 |
| Religious buildings Educational building | 91303 | (S) | 47115 | 17220 | 5 | (S) | 7 | 8 |
| Educational buildings -----------1 | 759451 909383 | 419442 409413 | 272890 422869 | 67119 77101 | 3 2 2 | 1 1 | 8 <br> 3 | 4 |
| Amusement, social, and recreational buildings, indoors | 114087 | 56732 | (S) | 6450 |  | 3 | (S) | 19 |
|  | 143447 | 82560 | 49354 | 11532 | 4 | 5 | 7 | 15 |
| Nonbuilding construction- | 2846460 | 1388350 | 846734 | 611377 | 1 | 1 | 1 | 2 |
| Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc. $\qquad$ | 565499 | 171402 | 281999 | 112098 | 2 | 3 | 2 | 4 |
|  | 80869 | 31816 | 26410 | 22644 | 9 | 14 | 7 | 19 |
| Bridges, tunnels, and elevated highways | 571934 | 395841 | 147244 | 28849 | 2 | 2 | 2 | 11 |
| Tunnels ---------------------- | 265435 306499 | 255970 139871 | 9014 138229 | 451 2898 | 4 1 | 4 | (Z) | 17 |
| Power and communication transmission lines, towers, and related facilities-.- | 135234 | 55397 | 27093 | 52745 | 4 | 5 | 10 | 5 |
|  | 420102 | 295762 | 73369 | 50972 | 4 | 4 | 10 | 8 |
| Sewers, sewer lines, septic systems, and related facilities | 264549 | 191973 | 44763 | 27813 | 4 | 4 | 10 | 12 |
| Water mains and related facilities. | 155554 | 103788 | 28606 | 23159 | 6 | 7 | 14 | 8 |
| Pipeline construction other than sewer or water lines | 57817 | 34597 | 8573 | 14647 | 6 | 9 | 3 | 3 |
| Mass transit construction | 165078 | 37732 | 125474 | 1872 | 1 | 2 | 1 | (Z) |
|  | 330689 295313 | 42975 192626 | 17688 92128 | 270 10 10 | 2 | 8 | 7 1 | 1 31 |
| Other nonbuilding construction ------------- | 223924 | 130202 | 46757 | 46965 | 4 | 5 | 6 | 8 |
| Construction work, n.s.k._ | 309186 | (NA) | (NA) | (NA) | 5 | (NA) | (NA) | (NA) |
| 1987 |  |  |  |  |  |  |  |  |
| Value of construction work | 15082398 | 9251021 | 3509549 | 1580702 | 1 | 1 | 1 | 1 |
| Building construction | 11999502 | 7757748 | 2966236 | 1224586 | 1 | 1 | 1 | 2 |
| Single-family houses - | 3789369 | 2711130 | 760970 | 317268 | 2 | 3 | 4 | 4 |
|  | 3033099 | 2080143 | 686792 | 266164 | 2 | 3 | 4 | 4 |
| Single-family houses, attached, including townhouses and townhouse-type condominiums | 756269 | 630987 | 74177 | 51104 | 6 | 6 | 15 | 12 |
| Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives | 1068727 | 668113 | 309443 | 91170 | 2 | 2 | 5 | 5 |
| Other residential buildings, including hotels, motels, and tourist cabins------------- | 635016 | 476928 | 108470 | 49618 | 5 | 6 |  | 8 |
|  | 2293369 | 1558520 | 555868 | 178981 | 1 | 1 | 2 | 4 |
| Other commercial buildings such as stores, restaurants, and automobile service stations | 1324860 | 724467 | 408469 | 191924 | 2 | 2 | 3 | 3 |
|  | 1473380 | 920906 | 329548 | 222925 | 2 | 2 |  | 4 |
| Industrial buildings --------- | 1185913 | 714526 | 270168 | 201218 | 2 | 2 | 2 | 4 |
| Warehouses | 287467 | 206380 | 59380 | 21706 | 5 | 7 | 3 | 7 |
| Religious buildings | 103696 | 37683 | 43626 | 22387 | 5 | 4 | 7 | 15 |
| Educational buildings | 582664 | 322274 | 180545 | 79844 | 2 | 1 | 4 | 3 |
| Hospitals and institutional buildings --------- | 572163 | 302034 | 219316 | 50813 | 1 | 1 | 2 | 5 |
| Amusement, social, and recreational buildings, indoors | 53178 103080 | $\begin{array}{r}30288 \\ 37 \\ \hline 87\end{array}$ | 18353 36 | +4537 | 14 | 23 | 14 14 | 9 |
| Other nonresidential buildings --------------------1-1-1- | 103080 | 37857 | 36075 | 29152 | 11 | 8 | 14 | 26 |
| Nonbuilding construction--------------------------------------------------- | 2341771 | 1460821 | 538866 | 342083 | 1 | 1 | 2 | 3 |
| Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc. $\qquad$ | 552653 | 293833 | 176761 | 82058 | 2 | 3 | 4 | 5 |
| Private driveways and parking areas ------------------------------------------------------------ | 127660 | 91574 | 17924 | 18161 | 6 | 6 | 13 | 12 |
| Bridges, tunnels, and elevated highways | 143585 | 67032 | +47628 | 28923 | 7 | 9 | 5 | 19 |
|  | 19208 | 12922 | *5 192 | 1094 | 33 | 36 | 47 | 28 |
|  | 124376 | 54110 52284 | 42436 | $\begin{array}{r}27829 \\ 15 \\ \hline\end{array}$ | 6 | 7 | 1 | 20 |
| Sewers, water mains, and related facilities | 437648 | 352626 | 47091 | 37930 | 4 | 4 | 6 | 8 |
| Sewers, sewer lines, septic systems, and related facilities.------------------- | 263751 | 219955 | 28573 | 15221 | 4 | 4 | 6 | 10 |
|  | 173897 | 132670 | 18517 | 22709 | 6 | 7 | 11 | 10 |
|  | 145486 | 54123 | 85740 | 5622 | (Z) | (Z) |  | (Z) |
|  | 146602 209509 | $\begin{array}{r}83283 \\ 162678 \\ \hline\end{array}$ | 13758 32623 | 49560 14208 | 1 3 | 1 1 | 2 10 | 1 24 |
|  | 495739 | 1623688 | 102479 | 148888 | (NA) | (NA) | (NA) | (NA) |
|  | 741125 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |

Note: Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992 . SIC 6552 is covered in the Census of Financial, Insurance, and Real Estate Industries.

# Table 9. Quarterly Construction Worker Employment for Establishments With Payroll by Industry: 1992 

| SIC code | Industry | Number of establishments | Average number of construction workers | Construction workers ${ }^{1}$ |  |  |  | Relative standard error of estimate (percent) for column- |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | January <br> to March | $\begin{aligned} & \text { April } \\ & \text { to June } \end{aligned}$ | July <br> to September | October <br> to December |  |  |  |  |  |  |
|  |  | A | B | C | D | E | F | A | B | c | D | E | F |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries .------ | 13447 | 64329 | 56463 | 64057 | 69900 | 66895 | 1 | 1 | 1 | 1 | 1 | 1 |
| 15 | contractors and operative builders: <br> General contractors, residential buildings: <br> Single-family houses $\qquad$ Other residential buildings |  |  |  |  |  |  |  |  |  |  |  |  |
| 152 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 1521 \\ & 1522 \end{aligned}$ |  | $\begin{array}{r}2151 \\ \hline 168 \\ \hline\end{array}$ | 4916 550 | 4642 457 | 5044 551 | 5333 606 | 4642 587 | 3 16 | 4 15 | 5 18 | 4 16 | 4 15 | 5 |
| 1531 | Operative builders ------------------ | 372 | 732 | 661 | 746 | 801 | 719 | 9 | 10 | 10 | 10 | 10 | 11 |
| 154 | General contractors, nonresidential buildings: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1541 | Industrial buildings and warehouses | 145 | 720 | 585 | 730 | 755 | 811 | 14 | 13 | 14 | 13 |  |  |
| 1542 | Nonresidential buildings, n.---.-------- | 731 | 4953 | 4713 | 4855 | 5483 | 4762 | 6 | 4 | 3 | 4 | 5 | 4 |
| 16 | Heavy construction other than building construction-contractors: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1611 | Highway and street construction.---- | 230 | 2285 | 1181 | 2396 | 2871 | 2692 | 9 | 4 | 5 | 4 | 4 | 4 |
| $\begin{aligned} & 162 \\ & 1622 \end{aligned}$ | Heavy construction, except highway: Bridge, tunnel, and elevated highway construction |  |  |  |  |  |  |  |  |  |  |  |  |
| 1623 | Water, sewer, and utility lines------ | 249 | 2373 | 1640 | 2472 | 2707 | 2675 | 9 | 5 | 6 | 5 | 4 | 3 |
| 1629 | Heavy construction, n.e.c. -------- | 290 | 3291 | 2682 | 3311 | 3630 | 3540 | 9 | 2 | 2 | 2 | 2 |  |
| 17 | Special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and airconditioning | 1915 | 8747 | 8391 | 8724 | 8836 | 9036 | 2 | 2 | 2 | 3 | 2 | 2 |
| 1721 | Painting and paper hanging --------- | 712 | 2539 | 1721 | 2717 | 3319 | 2398 | 4 | 4 | 5 | 4 | 5 | 5 |
| 1731 | Electrical work-------------------- | 1614 | 8918 | 8623 | 8397 | 9394 | 9258 | 1 | 2 | 2 | 2 | 2 | 2 |
| 174 | Masonry, stonework, tile setting, and plastering: <br> Masonry, stone setting, and other stonework <br> Plastering, drywall, and insulation work <br> Terrazzo, tile, marble, and mosaic work |  |  |  |  |  |  |  |  |  |  |  |  |
| 1741 |  | 539 | 2253 | 1658 | 2316 | 2505 | 2531 | 5 | 10 | 11 | 11 | 10 | 9 |
| 1742 |  | 424 | 2391 | 2090 | 2098 | 2576 | 2801 | 6 | 11 | 5 | 5 | 18 | 17 |
| 1743 |  | 84 | 261 | 258 | 271 | 273 | 241 | 19 | 16 | 15 | 15 | 15 | 15 |
| $\begin{aligned} & 175 \\ & 1751 \\ & 1752 \end{aligned}$ | Carpentry and floor work: <br> Carpentry $\qquad$ <br> Floor laying and other floor work -- | $\begin{array}{r}1114 \\ \hline 237 \\ \hline\end{array}$ | 2722 614 | 2422 653 | 2730 635 | 3065 626 | 2670 544 | $\begin{aligned} & 4 \\ & 8 \end{aligned}$ | ${ }_{8}^{6}$ | ${ }_{8}^{6}$ | 8 | 6 9 | 6 9 |
| 1761 | Roofing, siding, and sheet metal work $\qquad$ | 460 | 2355 | 1935 | 2292 | 2725 | 2468 | 6 | 5 | 6 | 5 | 5 | 5 |
| 1771 | Concrete work----------------------- | 555 | 2711 | 1691 | 2850 | 3230 | 3074 | 6 | 5 | 7 | 5 | 6 | 5 |
| 1781 | Water well drilling ------------------- | 49 | 187 | 179 | 179 | 203 | 187 | 16 | 14 | 13 | 15 | 15 | 15 |
| 179 | Miscellaneous special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1791 | Structural steel erection ---------- | 79 | 1473 | 1806 | 1268 | 1017 | 1799 | 16 | 7 | 5 | 10 | 12 |  |
| 1793 | Glass and glazing work ------------ | 107 | + 342 | 1364 +371 | + 326 | 351 | 327 | 14 | 8 | 8 | 9 | 8 | 9 |
| 1794 1795 | Excavation work | 454 34 | $\begin{array}{r}1864 \\ \\ \hline 291\end{array}$ | 1371 | 1906 | 2112 | 2068 | ${ }^{8}$ | -88888 | $\stackrel{9}{15}$ | 8 | ${ }^{8} 1$ | 8 |
| 1796 | Installing building equipment, |  |  | 269 | 339 |  |  |  |  |  |  |  |  |
| 1799 | n.e.c. ------------------------ | 121 581 | 2167 3495 | 2582 2839 | 1918 3681 | $\begin{array}{r} 2074 \\ 3919 \end{array}$ | $\begin{aligned} & 2095 \\ & 3540 \end{aligned}$ | 10 7 | 2 5 | 1 5 | 2 5 | 2 5 | 2 |

[^7]Table 10. Selected Industry Ratios for Establishments With Payroll in This State: 1992
[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| $\underset{\text { SIC }}{\text { code }}$ | Industry | Average number of employees** per establishment | $\begin{array}{r} \text { Payroll } \\ \text { per } \\ \text { employee } \\ (\$ 1,000) \end{array}$ | Value of construction work per construction worker $(\$ 1,000)$ | Average per dollar value of construction work |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | $\begin{array}{r} \text { Payroll, } \\ \text { all } \\ \text { employees } \end{array}$ | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted out to others | Value of construction work subcontracted in from others | $\begin{array}{r} \text { Rental } \\ \text { cost } \\ \text { for } \\ \text { machinery, } \\ \text { equipment, } \\ \text { and } \\ \text { buildings } \end{array}$ |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries --- | 6.5 | 28.9 | 177.0 | . 220 | . 293 | . 275 | . 280 | . 014 |
| 15 | Building construction-General contractors and operative builders: |  |  |  |  |  |  |  |  |
| 152 1521 152 | General contractors, residential buildings: <br> Single-family houses. | 3.1 | 20.5 | 178.7 | . 158 | . 363 | . 311 | . 041 | (S) |
| 1522 | Other residential buildings ------------------------------------------ | 4.6 | 27.3 | 202.4 | . 191 | . 284 | . 362 | *. 047 | . 016 |
| 1531 | Operative builders -------------- | 3.9 | 28.1 | 884.3 | . 063 | . 334 | . 359 | . 003 | (S) |
| 154 1541 1542 | General contractors, nonresidential buildings: Industrial buildings and warehouses $\qquad$ | 7.9 | 32.5 | 313.8 | . 166 | . 143 | . 504 | . 044 | . 007 |
| 1542 | Nonresidential buildings, n.e.c.------------------------------ | 10.7 | 32.6 | 464.5 | . 111 | . 190 | . 637 | . 031 | . 006 |
| 16 | Heavy construction other than building constructioncontractors: |  |  |  |  |  |  |  |  |
| 1611 | Highway and street construction ----------------------------- | 12.4 | 32.0 | 181.9 | . 220 | . 324 | . 191 | 213 | . 024 |
| $162$ | Heavy construction, except highway: <br> Bridge, tunnel, and elevated highway construction | 48.8 |  | 422.1 | . 140 |  | . 347 | . 027 |  |
| 1623 | Water, sewer, and utility lines------------------------------- | 12.1 | 32.4 | 164.5 | . 249 | . 315 | . 195 | . 251 | . 034 |
| 1629 |  | 19.2 | 40.8 | 272.8 | . 253 | . 225 | . 220 | . 219 | . 025 |
| 17 | Special trade contractors: |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and air-conditioning --------------------- | 6.3 | 31.2 | 149.3 | . 287 | . 354 | . 151 | .474 | . 015 |
| 1721 | Painting and paper hanging | 4.3 | 20.2 | 64.4 | . 378 | . 229 | . 058 | . 541 | . 017 |
| 1731 | Electrical work -- | 7.2 | 31.1 | 121.4 | . 335 | . 371 | . 045 | . 612 | . 012 |
| 174 1741 | Masonry, stonework, tile setting, and plastering: | 5.0 | 22.8 | 86.0 | 314 |  |  |  |  |
| 1742 | Mlastering, drywall, and insulation work ------ | 7.0 | 27.0 | 102.5 | . 325 | . 213 | . 096 | . 729 | . 014 |
| 1743 | Terrazzo, tile, marble, and mosaic work---------------------------- | 3.9 | 27.6 | 89.7 | . 389 | . 454 | . 039 | . 531 | . 010 |
| 175 1751 | Carpentry and floor work: Carpentry | 3.1 | 21.7 | 114.8 | . 238 | . 378 | . 165 | . 387 | . 011 |
| 1752 | Floor laying and other floor work----------------------------------------------- | 3.5 | 21.4 | 172.0 | . 169 | . 479 | . 163 | . 662 | . 013 |
| 1761 | Rooofing, siding, and sheet metal work ---------------------- | 6.7 | 25.6 | 124.3 | . 271 | . 395 | . 093 | . 472 | . 016 |
| 1771 |  | 5.7 | 23.1 | 97.2 | . 279 | . 357 | . 075 | . 674 | . 024 |
| 1781 | Water well drilling --------------------------------------------- | 5.3 | 30.7 | 138.1 | . 310 | . 370 | . 011 | . 230 | . 017 |
| 179 | Miscellaneous special trade contractors: |  |  |  |  |  |  |  |  |
| 1791 1793 | Structural steel erection | 21.5 5.0 | 33.4 23.7 | 97.7 123.9 | . 392 | . 222 | . 087 | . 901 | . 014 |
| 1794 | Excavation work -------------------------------------------------------- | 5.3 | 26.5 | 123.2 | . 275 | . 269 | . 120 | 437 | . 029 |
| 1795 | Wrecking and demolition work ------------------------------ | 10.2 | 23.4 | 102.8 | . 268 | . 167 | . 094 | . 544 | (S) |
| 1796 | Installing building equipment, n.e.c.------------------------- | 23.0 | 27.6 | 103.3 | . 344 | . 244 | . 030 | 280 | . 016 |
| 1799 | Special trade contractors, n.e.c. ---------------------------- | 7.9 | 24.2 | 95.7 | . 334 | . 346 | . 076 | . 425 | . 023 |

## Table 11. Selected Statistics for Establishments With Payroll for Selected Metropolitan Areas: 1992

\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \[
\underset{\text { SIC }}{\text { code }}
\] \& Geographic area and industry \& Number of establishments \& \[
\underset{\text { employees** }^{\text {A }}}{\text { All }}
\] \& Payroll, all employees \& Value of construction work \& \begin{tabular}{l}
Net \\
value of construction work \(\dagger\)
\end{tabular} \& Value added \(\dagger\) \& Cost of materials, components, supplies, and fuels \& Cost of construction work subcontracted out to others \& Capital expenditures, other than land \& Rel
stan
erro
estir
(per
f
cor \& \\
\hline \& \& A \& B \& C \& D \& E \& F \& G \& H \& 1 \& B \& E \\
\hline \& \begin{tabular}{l}
BOSTON-WORCESTER- \\
LAWRENCE, MA-NH-ME-CT CMSA
\end{tabular} \& \& \& \& \& \& \& \& \& \& \& \\
\hline \[
\begin{gathered}
15,16, \\
17
\end{gathered}
\] \& Construction industries .--------- \& 12243 \& 81838 \& 2373923 \& 10850651 \& 7795632 \& 4779944 \& 3171595 \& 3055019 \& 114237 \& 1 \& 1 \\
\hline 15 \& Building construction-General contractors and operative builders: \& \& \& \& \& \& \& \& \& \& \& \\
\hline 152 \& General contractors, residential buildings: \& \& \& \& \& \& \& \& \& \& \& \\
\hline \[
\begin{aligned}
\& 1521 \\
\& 1522
\end{aligned}
\] \& Single-family houses \(\qquad\) Other residential buildings \(\qquad\) \& (S) \& 5708
813 \& 110750
22429 \& \[
\begin{aligned}
\& 706759 \\
\& 112671
\end{aligned}
\] \& \[
\begin{array}{r}
493053 \\
72527
\end{array}
\] \& \[
\begin{array}{r}
242509 \\
46531
\end{array}
\] \& \[
\begin{array}{r}
263814 \\
29106
\end{array}
\] \& \[
\begin{array}{r}
213705 \\
40144
\end{array}
\] \& \[
\begin{array}{r}
6606 \\
607
\end{array}
\] \& 5
13 \& r \({ }^{5}\) \\
\hline 1531 \& Operative builders ------------------- \& 385 \& 1578 \& 44821 \& 682250 \& 442959 \& 218538 \& 236385 \& 239291 \& 2619 \& 7 \& 14 \\
\hline 154 \& General contractors, nonresidential buildings: \& \& \& \& \& \& \& \& \& \& \& \\
\hline 1541 \& Industrial buildings and warehouses \& 156 \& 1029 \& 32600 \& 206537 \& 101940 \& 73206 \& 30157 \& 104597 \& (S) \& 10 \& 6 \\
\hline 1542 \& Nonresidential buildings, n.e.c. ------ \& 661 \& 7636 \& 251621 \& 2297588 \& 792724 \& 406931 \& 422836 \& 1504864 \& 8797 \& 3 \& 2 \\
\hline 16 \& Heavy construction other than building construction-contractors: \& \& \& \& \& \& \& \& \& \& \& \\
\hline 1611 \& Highway and street construction ----- \& 186 \& 2376 \& 76098 \& 351410 \& 283480 \& 167496 \& 119003 \& 67930 \& 9828 \& 4 \& 3 \\
\hline \[
\begin{aligned}
\& 162 \\
\& 1622
\end{aligned}
\] \& \begin{tabular}{l}
Heavy construction, except highway: \\
Bridge, tunnel, and elevated \\
highway construction
\end{tabular} \& 29 \& \& \& \& \& \& \& \& \& 3 \& \\
\hline 1623 \& Water, sewer, and utility lines----- \& 240 \& 2825 \& 88879 \& 361351 \& 287073 \& 179918 \& 113000 \& 74277 \& 13030 \& 5 \& 1 \\
\hline 1629 \& Heavy construction, n.e.c. ----------- \& 265 \& 5716 \& 231386 \& 916111 \& 708579 \& 507539 \& 208904 \& 207533 \& 11223 \& 1 \& 1 \\
\hline 17 \& Special trade contractors: \& \& \& \& \& \& \& \& \& \& \& \\
\hline 1711 \& Plumbing, heating, and airconditioning \& 1823 \& 11509 \& 353357 \& 1207486 \& 1033712 \& 613810 \& 435086 \& 173774 \& 10922 \& 2 \& 2 \\
\hline 1721 \& Painting and paper hanging -- \& 614 \& 2761 \& 55356 \& 148651 \& 138536 \& 104643 \& 34419 \& 10115 \& 2239 \& 5 \& 6 \\
\hline 1731 \& Electrical work ----------------------- \& 1468 \& 10685 \& 339496 \& 1016518 \& 969186 \& 600178 \& 382086 \& 47332 \& 8411 \& 2 \& 2 \\
\hline 174 \& Masonry, stone work, tile setting, and plastering: \& \& \& \& \& \& \& \& \& \& \& \\
\hline 1741 \& Masonry, stone setting, and other stone work \& (S) \& 2317 \& 51729 \& 165144 \& 154433 \& 107492 \& 47573 \& 10711 \& 1838 \& 10 \& 5 \\
\hline 1742 \& Plastering, drywall, and insulation work \& 429 \& 3271 \& 89477 \& 287958 \& 256401 \& 164927 \& 94202 \& 31557 \& 2020 \& 9 \& 9 \\
\hline 1743 \& Terrazzo, tile, marble, and mosaic work \(\qquad\) \& 74 \& - 282 \& (S) \& 20828 \& 20031 \& (S) \& 8978 \& *797 \& (S) \& 17 \& 12 \\
\hline 175 \& Carpentry and floor work: \& \& \& \& \& \& \& \& \& \& \& \\
\hline 1752 \& Carpentry --------------------------
Floor laying \& 924
244 \& 3085
969 \& 67890
21663 \& \[
\begin{array}{r}
287397 \\
122958
\end{array}
\] \& \[
237944
\] \& \[
\begin{array}{r}
132041 \\
51223
\end{array}
\] \& \[
\begin{array}{r}
108826 \\
58862
\end{array}
\] \& \[
49453
\] \& (S) \& 6
8 \& (D) \({ }^{6}\) \\
\hline 1761 \& Roofing, siding, and sheet metal work \(\qquad\) \& 431 \& 2833 \& 71126 \& 252638 \& 232396 \& 138680 \& 96777 \& 20242 \& (S) \& 5 \& 5 \\
\hline 1771 \& Concrete work ----------------------- \& 506 \& 2796 \& 63312 \& 229191 \& 212292 \& 132871 \& 80223 \& 16899 \& 4478 \& 6 \& 5 \\
\hline 1781 \& Water well drilling ------------------- \& 59 \& 344 \& 10038 \& 32704 \& 32475 \& 20418 \& 12117 \& 228 \& 671 \& 13 \& 12 \\
\hline 179 \& Miscellaneous special trade contractors: \& \& \& \& \& \& \& \& \& \& \& \\
\hline 1791
1793 \& Structural steel erection --------------- \& 97 \& 1818

527 \& 58940 \& 150435 \& ( ${ }^{\text {(D) }}$ \& 103748 \& 34133 \& (D) \& 2 110 \& 7 \& (D) <br>
\hline 1794 \& Excavation work----------------------- \& 417 \& 2138 \& 55937 \& 206929 \& 181644 \& 135178 \& 55880 \& 25285 \& 5767 \& 9 \& 8 <br>
\hline 1795 \& Wrecking and demolition work ----- \& (S) \& 342 \& 8672 \& 33380 \& 29628 \& 25313 \& 4978 \& 3752 \& 537 \& 2 \& 2 <br>
\hline 1796 \& Installing building equipment, n.e.c. - \& 104 \& 2698 \& 74030 \& 219189 \& 212956 \& 159611 \& 54929 \& 6233 \& 1411 \& 1 \& 1 <br>
\hline 1799 \& Special trade contractors, n.e.c.---- \& 502 \& 4428 \& 111827 \& 333580 \& 308834 \& 206493 \& 111877 \& 24745 \& 8170 \& 5 \& 5 <br>
\hline \& Boston, MA-NH PMSA \& \& \& \& \& \& \& \& \& \& \& <br>

\hline $$
\begin{gathered}
15,16 \\
17
\end{gathered}
$$ \& Construction industries ---------- \& 6890 \& 49004 \& 1486300 \& 7345622 \& 5037835 \& 3091565 \& 2036809 \& 2307788 \& 63841 \& 1 \& 1 <br>

\hline 15 \& Building construction-General contractors and operative builders: \& \& \& \& \& \& \& \& \& \& \& <br>
\hline 152 \& General contractors, residential buildings: \& \& \& \& \& \& \& \& \& \& \& <br>
\hline 1521 \& Single-family houses -------------- \& (S) \& 3300 \& 68901 \& 446379 \& 300398 \& 146791 \& 162628 \& 145980 \& 3439 \& 7 \& 7 <br>
\hline 1522 \& Other residential buildings --------- \& 108 \& 576 \& 17037 \& 91317 \& 56843 \& 34837 \& 24428 \& 34474 \& (D) \& 15 \& 12 <br>
\hline 1531 \& Operative builders ------------------- \& 221 \& 861 \& 24309 \& 415801 \& 250657 \& 125846 \& 130415 \& *165 143 \& 1510 \& 11 \& 24 <br>
\hline 154 \& General contractors, nonresidential buildings: \& \& \& \& \& \& \& \& \& \& \& <br>
\hline 1541 \& Industrial buildings and warehouses. \& 57 \& 482 \& (D) \& 151294 \& 66669 \& 49476 \& 17696 \& 84625 \& (S) \& 14 \& 7 <br>
\hline 1542 \& Nonresidential buildings, n.e.c. ----- \& 427 \& 5608 \& 188819 \& 1816995 \& 622029 \& 302192 \& 337134 \& 1194965 \& 5478 \& 4 \& 3 <br>
\hline 16 \& Heavy construction other than building construction-contractors: \& \& \& \& \& \& \& \& \& \& \& <br>
\hline 1611 \& Highway and street construction ----- \& 113 \& 1150 \& 38991 \& 163678 \& 131639 \& 85092 \& 47667 \& 32039 \& 4683 \& 6 \& 5 <br>

\hline \[
$$
\begin{aligned}
& 162 \\
& 1622
\end{aligned}
$$

\] \& | Heavy construction, except highway: |
| :--- |
| Bridge, tunnel, and elevated highway construction | \& 20 \& 1272 \& 58855 \& 446559 \& \& 194891 \& 105912 \& (D) \& 6201 \& 3 \& <br>

\hline 1623 \& Water, sewer, and utility lines--------- \& 135 \& 1610 \& 55071 \& 229030 \& 175225 \& 104244 \& 74843 \& 53805 \& 5833 \& 6 \& (D) <br>
\hline 1629 \& Heavy construction, n.e.c. --------- \& 139 \& 2531 \& 96601 \& 602815 \& 439445 \& 337881 \& 106030 \& 163370 \& 6046 \& 3 \& 2 <br>
\hline
\end{tabular}

MA-14 MASSACHUSETTS

# Table 11. Selected Statistics for Establishments With Payroll for Selected Metropolitan <br> Areas: 1992-Con. 

| $\underset{\text { sode }}{\text { SIC }}$ | Geographic area and industry | Number of establishments | $\underset{\text { employees** }^{\text {All }}}{ }$ | Payroll, all employees | Value of construction work | Net value of construction workt work $\dagger$ | Value added $\dagger \dagger$ | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted out to others | Capital expenditures, other than land | Rela stan erro estir (perc for colur |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | A | B | C | D | E | F | G | H | 1 | B | E |
| $\begin{aligned} & 15,16, \\ & 17 \\ & 17 \end{aligned}$ | BOSTON-WORCESTERLAWRENCE, MA-NH-ME-CT CMSA-Con. <br> Boston, MA-NH PMSA-Con. Construction industries-Con. Special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and airconditioning | 1097 | 7427 | 246148 | 829498 | 706013 | 421599 | 295600 | 123486 | 6448 | 3 | 2 |
| 1721 | Painting and paper hanging ---------- | 348 | 1991 | 42231 | 110551 | 103511 | 79234 | 24457 | 7040 | 1576 | 6 | 7 |
| 1731 | Electrical work ----- | 858 | 6808 | 228362 | 699973 | 664540 | 413695 | 262297 | 35433 | 6639 | 3 | 2 |
| 174 | Masonry, stone work, tile setting, and plastering: |  |  |  |  |  |  |  |  |  |  |  |
| 1741 | Masonry, stone setting, and other stone work $\qquad$ | (S) | 1735 | 39407 | 124325 | 117102 | 82266 | 35431 | 7223 | 1325 | 14 | 6 |
| 1742 | Plastering, drywall, and insulation work $\qquad$ | 200 | 1494 | 42452 | 120064 | 114562 | 81324 | 33691 | 5502 | (S) | 18 | 18 |
| 1743 | Terrazzo, tile, marble, and mosaic work $\qquad$ | 47 | (S) | (S) | 16654 | 15935 | (D) | 6758 | *719 | (D) | (S) | 12 |
| $\begin{aligned} & 175 \\ & 1751 \\ & 1752 \end{aligned}$ | Carpentry and floor work: <br> Carpentry $\qquad$ <br> Floor laying and other floor work | 505 $(S)$ | 1907 588 | $\begin{aligned} & 42807 \\ & 13525 \end{aligned}$ | $\begin{array}{r} 173543 \\ 80814 \end{array}$ | $145637$ | $\begin{aligned} & 77855 \\ & 32349 \end{aligned}$ | $\begin{array}{ll} 69 & 287 \\ 38 & 454 \end{array}$ | $27906$ | (S) | 9 9 | (D) ${ }^{7}$ |
| 1761 | Roofing, siding, and sheet metal work $\qquad$ | 235 | 1420 | 40173 | 144553 | 130610 | 78548 | 52888 | 13944 | (S) | 8 | 8 |
| 1771 | Concrete work | 242 | 1528 | 37792 | (D) | (D) | 73824 | 39999 | (D) | 1391 | 9 | (D) |
| 1781 | Water well drilling ------------------ | 22 | 62 | 1539 | (D) | (D) | 3939 | 2470 | (S) | (S) | 14 | (D) |
| 179 | Miscellaneous special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1791 1793 | Structural steel erection ------------------ Glass and glazing work | 34 50 | 520 313 | 7 (D) | 23 (D) | 22 (D) | (D) | 23075 9 | (D) | 1549 | 21 11 | (D) |
| 1794 | Excavation work --------------------- | 215 | 1219 | 32813 | 120403 | 104691 | 77081 | 34606 | 15712 | 3542 | 14 | 12 |
| 1795 | Wrecking and demolition work ----- | 18 | 145 | 3977 |  | (D) |  | 908 | (D) | (D) | 4 | (D) |
| 1796 | Installing building equipment, n.e.c.- | 76 | 2197 | 62831 | 186000 | (D) | 136850 | 47176 | (D) | 505 | 1 | (D) |
| 1799 | Special trade contractors, n.e.c.---- | 285 | 2057 | (D) | 152174 | (D) | 89054 | 53950 | (D) | 2525 | 8 | (D) |
|  | Brockton, MA PMSA |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries .--------- | 545 | 3110 | 82089 | 306915 | 253477 | 165924 | 94379 | 53437 | 3003 | 4 | 3 |
| 15 | Building construction-General contractors and operative builders: |  |  |  |  |  |  |  |  |  |  |  |
| 152 | General contractors, residential buildings: |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 1521 \\ & 1522 \end{aligned}$ | Single-family houses $\qquad$ Other residential buildings $\qquad$ | 73 (S) | 211 (S) | $\begin{array}{r} 4255 \\ \text { (S) } \end{array}$ | (S) $* 1987$ | $\begin{array}{rr} 18834 \\ & \text { (D) } \end{array}$ | $10 \times 247$ $* 941$ | $\begin{array}{r} 888 \\ (\mathrm{~S}) \end{array}$ | $\begin{aligned} & \text { (S) } \\ & \text { (D) } \end{aligned}$ | *306 | $\begin{aligned} & 21 \\ & \text { (S) } \end{aligned}$ | (D) |
| 1531 | Operative builders ------------------- | 12 | (D) | (D) | 9555 | 7055 | 2142 | 4953 | 2500 | 129 | (D) | 18 |
| 154 | General contractors, nonresidential buildings: |  |  |  |  |  |  |  |  |  |  |  |
| 1541 | Industrial buildings and warehouses $\qquad$ | (S) | (S) |  | 8555 | (S) | (S) | (S) | 3390 | (S) | (S) | (S) |
| 1542 | Nonresidential buildings, n.e.c. ----- | 23 | 196 | 4710 | 34593 | 12572 | 7424 | 5389 | 22021 | 228 | 4 | 4 |
| 16 | Heavy construction other than building construction-contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1611 | Highway and street construction ----- | (S) | 292 | 6954 | 37476 | 33566 | 23170 | 10702 | 3910 | (D) | 11 | 4 |
| $\begin{aligned} & 162 \\ & 1622 \end{aligned}$ | Heavy construction, except highway: <br> Bridge, tunnel, and elevated highway construction | - | - |  |  | *10 337 | - | - | - | - | - |  |
| $\begin{aligned} & 1623 \\ & 1629 \end{aligned}$ | Water, sewer, and utility lines Heavy construction, n.e.c. $\qquad$ | (S) | *91 | $* 2513$ +2468 | $* 11266$ 9 959 | $\begin{array}{r} * 10337 \\ 7449 \end{array}$ | $* 4192$ 5047 | *6145 | $* 928$ 1810 | (S) | 44 | 53 13 |
| 17 | Special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and airconditioning | (S) | 285 | 6618 | 22863 | 20935 | 12771 | 8439 | 1928 | 235 | 19 | 15 |
| 1721 | Painting and paper hanging---------- | 20 | *27 | 352 | 1590 | (D) | 987 | 496 | (D) | (D) | 57 | (D) |
| 1731 | Electrical work ---------------------- | 53 | 535 | 17901 | 41208 | 39686 | 30835 | 8851 | 1522 | 172 | 12 | 8 |
| 174 | Masonry, stone work, tile setting, and plastering: |  |  |  |  |  |  |  |  |  |  |  |
| 1741 | Masonry, stone setting, and other stone work | 26 | 121 | 2968 | 9334 | 7361 | 5013 | 2348 | 1973 | *80 | 39 | 24 |
| 1742 | Plastering, drywall, and insulation work | 26 | 165 | 5124 | 16181 | 14718 | 9838 | 7030 | *1463 | *409 | 10 | 15 |
| 1743 | Terrazzo, tile, marble, and mosaic work $\qquad$ | 4 | (D) | (D) | (D) | (D) | (S) | *79 | (D) | - | (D) | (D) |
| 175 | Carpentry and floor work: |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 1751 \\ & 1752 \end{aligned}$ | Carpentry $\qquad$ Floor laying and other floor work --- | $\begin{array}{r} 48 \\ * 14 \end{array}$ | $\begin{aligned} & 77 \\ & \text { (D) } \end{aligned}$ | $\begin{array}{r} 1434 \\ \text { (D) } \end{array}$ | $\begin{aligned} 6549 \\ \text { (D) } \end{aligned}$ | $\begin{aligned} 5649 \\ \text { (D) } \end{aligned}$ | $\begin{array}{r} 3527 \\ * \\ * \end{array}$ | $2270$ | $\begin{aligned} & \text { (S) } \\ & \text { (D) } \end{aligned}$ | $\begin{aligned} & * 85 \\ & \text { (D) } \end{aligned}$ | $\begin{aligned} & 25 \\ & \text { (D) } \end{aligned}$ | (D) |
| 1761 | Roofing, siding, and sheet metal work $\qquad$ | 20 | 156 | 4193 | 14421 | 13197 | 7315 | 6119 | 1224 | 90 | 7 | 9 |

Table 11. Selected Statistics for Establishments With Payroll for Selected Metropolitan
Areas: 1992-Con.


## MA-16 MASSACHUSETTS

Table 11. Selected Statistics for Establishments With Payroll for Selected Metropolitan
Areas: 1992-Con.


Table 11. Selected Statistics for Establishments With Payroll for Selected Metropolitan
Areas: 1992-Con.


MA-18 MASSACHUSETTS

Table 11. Selected Statistics for Establishments With Payroll for Selected Metropolitan
Areas: 1992-Con.


# Table 11. Selected Statistics for Establishments With Payroll for Selected Metropolitan <br> Areas: 1992-Con. 

| $\begin{gathered} \text { SIC } \\ \text { code } \end{gathered}$ | Geographic area and industry | Number of establishments | employees** | Payroll, all employees | Value of construction work | value of construction work $\dagger$ | Value added $\dagger \dagger$ | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted out to others | Capital expenditures, other than land | Rela stan erro estim (perc for colur |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | A | B | C | D | E | F | G | H | I | B | E |
| $\begin{aligned} & 15,16, \\ & 17 \\ & 17 \end{aligned}$ | BOSTON-WORCESTERLAWRENCE, MA-NH-ME-CT CMSA-Con. <br> Worcester, MA-CT PMSA-Con. Construction industries-Con. Special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and airconditioning | 152 | 887 | 22828 | 77802 | 66953 | 39451 | 28298 | 10848 | (S) | 15 | 14 |
| 1721 | Painting and paper hanging---------- | 55 | 192 | 3487 | 8869 | 8561 | (D) | 3016 | *307 | (D) | 32 | 30 |
| 1731 | Electrical work | 155 | 1133 | 34670 | 98565 | 91669 | 55659 | 36311 | 6896 | 402 | 9 | 7 |
| 174 | Masonry, stone work, tile setting, and plastering: |  |  |  |  |  |  |  |  |  |  |  |
| 1741 | Masonry, stone setting, and other stone work $\qquad$ | *20 | 97 | 2898 | 8610 | 8273 | 5751 | 2524 | *337 | 304 | 23 | 16 |
| 1742 | Plastering, drywall, and insulation work $\qquad$ | 58 | 200 | 4105 | 19148 | 14382 | 9600 | 4783 | 4766 | 43 | 26 | 24 |
| 1743 | Terrazzo, tile, marble, and mosaic work $\qquad$ | *3 | (S) | *399 | *1632 | *1 632 | *472 | *1 161 | - | - | (S) | 71 |
| $\begin{aligned} & 175 \\ & 1751 \\ & 1752 \end{aligned}$ | Carpentry and floor work: <br> Carpentry - $\qquad$ <br> Floor laying and other floor work --- | 94 34 | 331 $* 110$ | $\begin{array}{r}8640 \\ \times 2233 \\ \hline 2\end{array}$ | 40102 11106 | $\begin{array}{r}31241 \\ * 10151 \\ \hline\end{array}$ | 20 $*$ 5631 | 11744 $* 4520$ | *8861 ${ }_{*} 955$ | *30 | 19 42 | 22 40 |
| 1761 | Roofing, siding, and sheet metal work $\qquad$ | (S) | (S) | 5001 | (S) | (S) | (S) | (S) | *763 | (S) | (S) | (S) |
| 1771 | Concrete work -- | 38 | (D) | 2235 | (D) | (D) | 4774 | 3390 | (S) | (D) | (D) | (D) |
| 1781 | Water well drilling ------------------ | 11 | 123 | 4207 | (D) | (D) | (D) | 4455 | *81 | (D) | 23 | (D) |
| 179 | Miscellaneous special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1791 1793 | Structural steel erection ------------------- Glass and glazing work | *13 | * ${ }^{(\mathrm{D})}$ | (D) 1959 | (D) 4956 | (D) | (D) $* 3257$ | 4041 $\times 2966$ | (D) | (S) | (D) | (D) |
| 1794 | Excavation work----------------------- | 44 | 244 | 6544 | 23101 | 20070 | (D) | 4098 | 3031 | 1030 | 25 | 21 |
| 1795 | Wrecking and demolition work ----- | (S) | (D) |  |  |  | (D) |  |  |  | (D) | (D) |
| 1796 | Installing building equipment, n.e.c.- | 7 | 171 | 1665 | (D) | (D) | 2978 | 679 | (D) |  | (Z) | (D) |
| 1799 | Special trade contractors, n.e.c.---- | (S) | 292 | 7098 | 27911 | (D) | (D) | 13492 | (D) | 211 | 23 | (D) |
|  | PROVIDENCE-FALL RIVERWARWICK, RI-MA MSA |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries ---------- | 3085 | 15423 | 395978 | 1984282 | 1394678 | 850380 | 588115 | 589604 | 21873 | 1 | 1 |
| 15 | Building construction-General contractors and operative builders: |  |  |  |  |  |  |  |  |  |  |  |
| 152 | General contractors, residential buildings: |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 1521 \\ & 1522 \end{aligned}$ | Single-family houses Other residential buildings | 544 52 | $\begin{aligned} & 1420 \\ & \text { (D) } \end{aligned}$ | 26022 2723 | $\begin{array}{r}138125 \\ 19114 \\ \hline 68\end{array}$ | 104016 11303 | 57681 8167 | 47680 4247 | 34109 $* 7811$ | *(S) | (D) ${ }^{7}$ | ${ }_{2}^{8}$ |
| 1531 | Operative builders ------------------- | 76 | 188 | 4718 | 56780 | 38979 | 18887 | 20892 | 17802 | 103 | 15 | 11 |
| 154 | General contractors, nonresidential buildings: |  |  |  |  |  |  |  |  |  |  |  |
| 1541 | Industrial buildings and warehouses $\qquad$ | (S) | 429 | 16497 | (D) | (D) | 24208 | (D) | (D) | 640 | 5 | (D) |
| 1542 | Nonresidential buildings, n.e.c. ----- | 140 | 2106 | 55138 | 484706 | 248877 | 155299 | 101685 | 235829 | 1269 | 3 | 3 |
| 16 | Heavy construction other than building construction-contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1611 | Highway and street construction ----- | 35 | 927 | 30210 | 127377 | 105937 | 71876 | 49410 | 21440 | 3777 | 6 | 3 |
| $\begin{aligned} & 162 \\ & 1622 \end{aligned}$ | Heavy construction, except highway: Bridge, tunnel, and elevated highway construction |  |  | (D) | (D) | (D) | (D) | (D) | (D) | (D) |  |  |
| 1623 | Water, sewer, and utility lines ------- | 35 | 517 | 16237 | 65157 | 56519 | 39763 | 17031 | 8638 | 1336 | 5 | 19 |
| 1629 | Heavy construction, n.e.c. ---------- | 73 | 378 | 10137 | 42161 | 35889 | 24113 | 12553 | 6272 | 3257 | 7 | 6 |
| 17 | Special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and airconditioning | 352 | 1729 | 50446 | 183830 | 162962 | 95847 | 67832 | 20867 | (S) | 4 | 5 |
| 1721 | Painting and paper hanging ---------- | 169 | 513 | 8460 | 24445 | 22283 | 17020 | 5273 | 2163 | *457 | 10 | 7 |
| 1731 | Electrical work ----------------------- | 368 | 1650 | 44128 | 131524 | 128313 | 74737 | 55818 | 3212 | 1784 | 4 | 3 |
| 174 | Masonry, stone work, tile setting, and plastering: |  |  |  |  |  |  |  |  |  |  |  |
| 1741 | Masonry, stone setting, and other stone work $\qquad$ | 114 | (S) | (S) | (S) | (S) | (S) | (S) | (S) | 383 | (S) | (S) |
| 1742 | Plastering, drywall, and insulation work $\qquad$ | 119 | 715 | 18283 | 54538 | 51387 | 34828 | 16690 | 3151 | 431 | 9 | 6 |
| 1743 | Terrazzo, tile, marble, and mosaic work | (S) | 87 | 1494 | 6626 | 6341 | 3552 | 2891 | (S) | 15 | 19 | 17 |
| 175 | Carpentry and floor work: |  |  |  |  |  |  |  |  |  |  |  |
| 1751 | Carpentry ------------------------ Floor laying and other floor work --- | 281 50 | 702 141 | 13203 3441 | 48799 16824 | $\begin{aligned} & 42486 \\ & 15373 \end{aligned}$ | 24683 8787 | 18608 6911 | $\begin{aligned} & 6313 \\ & 1451 \end{aligned}$ | 629 (D) | 11 3 | 2 |

MA-20 MASSACHUSETTS

# Table 11. Selected Statistics for Establishments With Payroll for Selected Metropolitan Areas: 1992-Con. 



## Contents <br> New Hampshire

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## Summary of Findings

This report provides results from the 1992 Census of Construction Industries for New Hampshire. The report includes data for construction establishments with payroll and shows limited data for establishments with no payroll (nonemployers). (Establishments with no payroll are, for the most part, companies owned and operated by a single person.)

Establishments covered in this report were primarily engaged in contract construction or construction on their own account for sale, as defined in the 1987 Standard Industrial Classification (SIC) Manual. ${ }^{1}$ The SIC Manual defines construction in three broad types: (1) building construction by general contractors or operative builders; (2) heavy construction (highways, power plants, etc.) done by general contractors and selected special trade contractors; and, (3) construction done by special trade contractors such as electricians, plumbers and painters.

During 1992, there were 15,163 establishments in this State operating in the construction industries. These establishments accounted for $\$ 2.2$ billion in total dollar value of business done.

Most of the 15,163 construction establishments were small. Of the total, 11,844 were nonemployers, and over half of the employer establishments had less than 5 employees. The 948 construction establishments with 5 employees or more, while representing only 6 percent of all establishments, accounted for more than 65 percent of the total dollar value of business done.

## ESTABLISHMENTS WITH PAYROLL

During 1992, the establishments with paid employees accounted for $\$ 1.9$ billion in total dollar value of business done. Of this amount, $\$ 1.8$ billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to $\$ 403$ million, leaving net value of construction work of $\$ 1.4$ billion. In addition, these establishments paid out $\$ 717$ million for the cost of

[^8]materials, fuels, power, rental of equipment and buildings, and the cost of selected purchased services. Value added for 1992 was $\$ 815$ million. (See Introduction and appendixes for explanation of terms.)

There were 3,319 establishments with total employment averaging 17,158 during the year. Total payroll for 1992 was $\$ 412$ million.

The data in this report covering establishments with payroll were obtained from a sample survey. 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. A separate census report was required from each sample establishment covering domestic operations. Separate reports were not required for each project or construction site.

For 1987 and earlier censuses, receipts from the sale of land were collected separately for general contractors and operative builders. These receipts were included in the total dollar value of business done, but excluded from the value of construction work done. For 1992, receipts from the sale of land were not collected separately, but are still excluded from the value of construction work done. All dollar values are shown in current dollars for the years specified and have not been adjusted for inflation.

Since the data in this report covering employer establishments are estimated from a sample survey, they are subject to sampling variability, as well as errors of response and nonreporting. The relative standard errors shown in the tables are measures of sampling variability. Descriptions of the sampling, estimating procedures, and data reliability are included in the Introduction.

## ESTABLISHMENTS WITHOUT PAYROLL

During 1992, there were 11,844 establishments with no payroll classified as construction. According to administrative records of the Federal Government, their dollar value of business done during 1992 was $\$ 380$ million. Most of these establishments, about 82 percent, were special trade contractors.

For the establishments without payroll, only information on total value of business done was available from administrative records. Statistics on establishments without payroll are shown in table 1 of this report.

Figure 1. Value of Construction Work by Type of Construction


Figure 2. Selected Costs per Dollar Value of Business Done
(Percent)


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1992 and 1987

| $\underset{\text { code }}{\text { SIC }}$ | Industry | All establishments |  |  |  | Establishments without payroll |  |  | Establishments with payroll |  |  |  | Relative standard error of estimate (percent) for column- |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Number | Proprietors and working partners | $\begin{array}{r} \text { All em- } \\ \text { ployees }^{\star *} \end{array}$ | Dollar value of business done | Number | Proprietors and working partners | Dollar value of business done | Number | Proprietors and working partner | All employees** | Dollar value of business done |  |  |
|  |  | A | B | C | D | E | F | G | H | 1 | J | K | J | K |
|  | 1992 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries .--------- | 15163 | 13318 | 17158 | 2236230 | 11844 | 11735 | 380154 | 3319 | 1583 | 17158 | 1856076 | 1 | 1 |
| 15 | Building construction-General contractors and operative builders | 2970 | 2343 | 4285 | 785834 | 1973 | 1863 | 127838 | 997 | 480 | 4285 | 657996 | 3 | 3 |
| 16 | Heavy construction other than building construction-contractors $\qquad$ | 417 | 234 | 2829 | 376389 | 175 | 165 | 6037 | 242 | (S) | 2829 | 370352 | 4 | 3 |
| 17 | Special trade contractors | 11776 | 10742 | 10044 | 1074006 | 9696 | 9707 | 246279 | 2080 | 1035 | 10044 | 827727 | 2 | 2 |
| 1711 | Plumbing, heating, and air-conditioning -- | 1307 | 1096 | 2436 | 256596 | 877 | 890 | 34285 | 430 | (S) | 2436 | 222311 | 4 | 4 |
| 1731 | Electrical work-------------------------1-1- | 1140 | 922 | 1496 | 136122 | 803 | 799 | 19379 | 337 | 123 | 1496 | 116743 | 5 | 5 |
|  | 1987 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries ${ }^{2}$--------- | 17600 | 13723 | 37889 | 4643307 | 12263 | 12146 | 911273 | 5337 | 1577 | 37889 | 3732034 | 1 | 2 |
| 15 | Building construction-General contractors and operative builders $\qquad$ | 4390 | 2850 | 14068 | 2250374 | 2555 | 2389 | 341761 | 1835 | 461 | 14068 | 1908613 | 2 | 4 |
| 16 | Heavy construction other than building construction-contractors $\qquad$ | 467 | 213 | 4492 | 468167 | 178 | 176 | 14131 | 289 | 37 | 4492 | 454036 | 3 | 3 |
| 17 | Special trade contractors .------------- | 12136 | 10164 | 19016 | 1701011 | 9012 | 9103 | 373141 | 3124 | 1061 | 19016 | 1327870 | 2 | 2 |
| 1711 | Plumbing, heating, and air-conditioning -- | 1165 | 829 | 3796 | 352083 | 643 | 642 | 35615 | 522 | 187 | 3796 | 316468 | 4 | 4 |
| 1731 | Electrical work--------------------------- | 1021 | 745 | 2609 | 189867 | 603 | 599 | 22717 | 418 | 146 | 2609 | 167150 | 4 | 4 |

${ }^{1}$ For 1992, nonemployer records showing revenues greater than $\$ 1$ million were excluded. See Introduction text.
${ }^{2}$ Includes data for "Land Subdividers and Developers," SIC 6552.

Table 2. General Statistics for Establishments With Payroll by Industry: 1992 and 1987
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| $\begin{gathered} \text { SIC } \\ \text { code } \end{gathered}$ | Industry | 1992 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Employees** |  |  | Payroll |  | Value of construction work | Net value of construction work $\dagger$ | Value added $\dagger \dagger$ |
|  |  | Number of establishments | All | Construction workers | $\begin{array}{r} \text { All } \\ \text { employees } \end{array}$ | Construction workers |  |  |  |
|  |  | A | B | C | D | E | F | G | H |
| $\begin{gathered} 15,16 \\ 17 \end{gathered}$ | Construction industries ${ }^{1}$------------------------------- | 3319 | 17158 | 12885 | 412461 | 287567 | 1772094 | 1368654 | 814793 |
| 15 | Building construction-General contractors and operative builders: |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 152 \\ & 1521 \end{aligned}$ | General contractors, residential buildings: <br> Single-family houses | 728 | 2170 | 1633 | 35315 | 26538 | 197702 | 147215 | 73417 |
| 1522 | Other residential buildings ------------- | 26 | 115 | 88 | 3315 | 1868 | *11333 | 8019 | 7313 |
| 1531 | Operative builders _ | 85 | 350 | 146 | 9452 | 2881 | 108196 | 78713 | 38399 |
| $\begin{aligned} & 154 \\ & 1541 \end{aligned}$ | General contractors, nonresidential buildings: Industrial buildings and warehouses $\qquad$ | 60 | 332 | 223 | 6827 | 4240 | 32450 | 19792 | 14667 |
| 1542 | Nonresidential buildings, n.e.c.----------- | 97 | 1318 | 889 | 40692 | 22660 | 281158 | 105920 | 73333 |
| 16 | Heavy construction other than building constructioncontractors: |  |  |  |  |  |  |  |  |
| 1611 | Highway and street construction ------------------------------ | 69 | 1270 | 1007 | 40732 | 29622 | 155132 | 133850 | 84442 |
| 162 1622 | Heavy construction, except highway: Bridge, tunnel, and elevated highway construction | 7 | 120 | 86 | 3715 | 2575 |  | 12598 | 7687 |
| 1623 | Water, sewer, and utility lines------------------------------- | 36 | 432 | 356 | 10925 | 7549 | 34125 | 30745 | 21786 |
| 1629 | Heavy construction, n.e.c. ------------------------------------- | 129 | 1006 | 778 | 25999 | 18717 | 122719 | 94521 | 48805 |
| 17 | Special trade contractors: |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and air-conditioning --------------------- | 430 | 2436 | 1735 | 65601 | 46841 | 219830 | 191975 | 109344 |
| 1721 | Painting and paper hanging ----------------------------------- | 183 | 524 | 435 | 8019 | 6390 | 25931 | 22945 | 16529 |
| 1731 | Electrical work ------------------------------------------------ | 337 | 1496 | 1134 | 37299 | 26156 | 114711 | 112656 | 64166 |
| $\begin{aligned} & 174 \\ & 1741 \end{aligned}$ | Masonry, stonework, tile setting, and plastering: Masonry, stone setting, and other stonework. | 79 | 259 | 224 | 5200 | 4378 | 16384 | 15839 | 9854 |
| 1742 | Plastering, drywall, and insulation work .--- | 105 | 967 | 781 | 25301 | 18965 | 91165 | 77917 | 43560 |
| 1743 | Terrazzo, tile, marble, and mosaic work-------------------- | 8 | 22 | 17 | 399 | 318 | 1771 | 1667 | 903 |
| 175 | Carpentry and floor work: |  |  |  |  |  |  |  |  |
| 1751 | Carpentry ------------------------------------------------ | 247 | 672 | 554 | 12533 | 10174 | 55730 | 46986 | 27654 |
| 1752 | Floor laying and other floor work-------------------------- | 48 | 188 | 149 | 4195 | 3245 | 22722 | 21013 | 9682 |
| 1761 | Roofing, siding, and sheet metal work ----------------------- | 114 | 656 | 454 | 13361 | 7975 | 45895 | 43628 | (D) |
| 1771 | Concrete work .- | 145 | 603 | 521 | 12532 | 10120 | 43811 | 42321 | 26256 |
| 1781 | Water well drilling ------------------------------------------------ | 32 | 139 | 100 | 3506 | 2463 | 12019 | (D) | 6989 |
| 179 1791 | Miscellaneous special trade contractors: <br> Structural steel erection. | 39 | 336 | 262 | 7833 | 5597 | 21405 | 20064 | 14154 |
| 1793 | Glass and glazing work . | 19 | 101 | 64 | 2412 | 1498 | * 8635 | (D) | *6 089 |
| 1794 |  | 170 | 604 | 493 | 12464 | 10554 | 50293 | 45552 | 33003 |
| 1795 | Wrecking and demolition work ----------------------------------------------- | 9 | 73 | 61 | (D) | 1108 | 6110 | (D) | (D) |
| 1796 | Installing building equipment, n.e.c.--------------------------- | 16 | 282 | 215 | 7022 | 5272 | 23168 | 22203 | 16179 |
| 1799 |  | 101 | 687 | 480 | (D) | 9864 | 50063 | 47144 | 31776 |

${ }^{1}$ For 1987, includes data for "Land Subdividers and Developers," SIC 6552. For 1992, SIC 6552 data are included in the Census of Financial, Insurance, and Real Estate Industries.

| 1992-Con. |  |  |  |  |  | 1987 |  |  | Relative standard error of estimate (percent) for column- |  |  | $\underset{\text { code }}{\text { SIC }}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted out to others | Value of contruction work subcontracted in from others | Rental cost of machinery, equipment, and buildings | Capital expenditures, other than land | End-of-year gross book value of depreciable assets | $\underset{\text { employees** }}{\text { All }}$ | $\begin{array}{r} \text { Value } \\ \text { of } \\ \text { construction } \\ \text { work } \end{array}$ | Value added $\dagger \dagger$ |  |  |  |  |
| 1 | J | K | L | M | N | 0 | P | Q | B | G | M |  |
| 637843 | 403440 | 526999 | 31296 | 29122 | 367591 | 37889 | 3547066 | 1608817 | 1 | 1 | 5 | $\begin{gathered} 15,16, \\ 17 \\ 15 \end{gathered}$ |
| $\begin{array}{r}76548 \\ 1384 \\ \hline\end{array}$ | 50487 $* 3315$ | 14531 408 | 2119 +208 | ${ }^{2} \times 285$ | 24 $* 3$ +3110 | 5936 1232 | 478134 143207 | 196197 50741 | ${ }_{2}^{6}$ | 36 | 25 63 | $\begin{aligned} & 152 \\ & 1521 \\ & 1522 \end{aligned}$ |
| 42062 | 29484 | (S) | 525 | (S) | 7670 | 2843 | 540503 | 184272 | 10 | 11 | (S) | 1531 |
| 8483 51208 | 12658 175238 | $* 1409$ 16992 | 482 2389 | 98 2032 | 5264 28495 | 764 3293 | 498313 | 33391 141497 | 20 4 | 19 7 | 31 9 | $\begin{aligned} & 154 \\ & 1541 \\ & 1542 \end{aligned}$ |
|  |  |  |  |  |  |  |  |  |  |  |  | 16 |
| (D) | 21282 | 35615 | 8252 | 5034 | 82880 | 2222 | 211118 | 115444 | 5 | 5 | 7 | 1611 |
| $\begin{array}{r} 6385 \\ 9333 \\ 98171 \end{array}$ | 7038 3380 28198 | 2587 8432 28143 | 599 561 2688 | 215 1283 7394 | 6536 20352 49137 | 130 776 1364 | 15740 64422 123510 | 8174 40062 73299 | 18 13 7 | 15 13 6 | (Z) 31 10 | 162 1622 1623 1629 |
|  |  |  |  |  |  |  |  |  |  |  |  | 17 |
| 85113 | 27855 | 100535 | 3658 | 2733 | 25752 | 3796 | 309159 | 158470 | 4 | 4 | 15 | 1711 |
| (D) | 2987 | 12816 | 289 | 285 | 2447 | 1155 | 42409 | 33941 | 13 | 12 | 30 | 1721 |
| 50522 | 2055 | 61179 | 1696 | 1301 | 13936 | 2609 | 166088 | 93314 | 5 | 5 | 17 | 1731 |
| $\begin{array}{r} 6021 \\ 34477 \\ 767 \end{array}$ | 545 13248 103 | 12983 78699 1599 | 234 1242 (S) | *152 (S) (S) | $\begin{aligned} & 3572 \\ &(S) \\ & 58 \end{aligned}$ | 1015 $2 \quad 179$ 124 | 50120 167717 8474 | $\begin{array}{r} 32393 \\ 85716 \\ 4794 \end{array}$ | 11 7 4 | 8 6 7 | ( 44 | 174 1741 1742 1743 |
| 20373 11528 | 8743 1709 | 19346 13130 | 684 134 | 376 196 | $\begin{array}{r} 669 \\ \\ \\ \text { (S) } \end{array}$ | 1916 166 | 100491 10852 | 54041 5476 | ${ }_{11}^{8}$ | 10 10 | (Z) | $\begin{aligned} & 175 \\ & 1751 \\ & 1752 \end{aligned}$ |
| 22547 | 2267 | 21113 | 1016 | 571 | 9079 | 1145 | 79974 | 44879 | 8 | 8 | 18 | 1761 |
| 16243 | 1490 | 27607 | 790 | 969 | 12115 | 1485 | 90859 | 52940 | 11 | 13 | 24 | 1771 |
| 4889 | (D) | *3 263 | 152 | 217 | (S) | 179 | 18609 | 12641 | 25 | (D) | 27 | 1781 |
|  |  |  |  |  |  |  |  |  |  |  |  | 179 |
| (D) | 1341 (D) | 19314 3 371 | 463 (S) | *186 | 3645 1251 | 357 <br> 154 | 20045 12531 | $\begin{array}{r} 15766 \\ 6117 \end{array}$ | 14 <br> 30 | $\begin{aligned} & 13 \\ & \text { (D) } \end{aligned}$ | 51 (D) | 1791 |
| 17182 | 4741 | 17035 |  | 2074 | 28668 | 1565 | 143366 | 102587 | 13 | 12 | 38 | 1794 |
|  | (D) |  | 231 | (D) | 28568 2 1 | (S) | $\begin{aligned} & \text { (S) } \\ & \text { © } \end{aligned}$ | (S) | 7 | (D) | (D) | 1795 |
| +6306 | 965 919 | 12048 | 244 | 159 | 1531 <br> 4 <br> 718 | 162 | 16844 | 10525 | 1 | 1 | (z) | 1796 |
| 16215 | 2919 | (D) | 780 | 474 | 4718 | 918 | 59667 | 35242 | 12 | 15 | 21 | 1799 |

Table 3. Detailed Statistics for Establishments With Payroll: 1992 and Earlier Census Years
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]


Note: Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of Financial, Insurance, and Real Estate Industries.

Table 4. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1992 and 1987

| Item | 1992 | 1987 | Relative standard error of estimate (percent) |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1992 | 1987 |
| BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT |  |  |  |  |
|  | 362102 | 507928 | 4 | 3 |
|  | 29122 | 90998 | 5 | 4 |
|  | 20020 | 75026 | 5 | 4 |
|  | 9102 23632 | 15972 25621 | 10 17 | 9 19 |
| End-of-year gross book value of depreciable assets _ | 367591 | 573305 | 4 | 3 |
|  | 36085 | 69439 | 3 | 4 |
| Buildings and Other Structures, Additions, and Related Facilities |  |  |  |  |
|  | 50476 | 80324 | 5 | 6 |
|  | 3252 | 15847 | 8 | 9 |
|  | 2874 | 13540 | 9 | 10 |
| Retirements and disposition of depreciable assets | 1458 | 2306 1812 | 23 6 | 16 16 |
|  | 52269 | 94359 | 6 | 5 |
|  | 4135 | 6396 | 6 | 6 |
| Machinery and Equipment |  |  |  |  |
|  | 311627 | 427604 | 4 | 4 |
|  | 25870 | 75151 | 5 | 4 |
|  | 17146 5959 | 61485 30230 | 6 10 | 4 |
| Used machinery and equipment, including automobiles and trucks |  | 13665 | 11 | 11 |
|  | 22174 | 23809 | 18 | 21 |
|  | 315323 | 478946 | 4 | 3 |
|  | 31950 | 63042 | 4 | 4 |

Note: Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of Financial, Insurance, and Real Estate Industries.

Table 5. Value of Inventories for Establishments With Payroll: 1992 and 1991
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Item | Establishments with payroll | Relative standard error of estimate (percent) |
| :---: | :---: | :---: |
| All establishments: |  |  |
| Number ------- | 3319 | 1 |
| Value of construction work | 1772094 | 1 |
| Establishments with inventories: |  |  |
| Number ---------------- | 1144 | 4 |
| Value of construction work Inventories ${ }^{1}$ : | 931743 | 2 |
| End of 1992, materials and supplies End of 1991, materials and supplies | 34550 34361 | 5 4 |
| Establishments with no inventories: |  |  |
| Number Value of construction work | 1083 546297 | 5 3 |
| Value of construction work | 546297 | 3 |
| Establishments not reporting: |  |  |
|  | ${ }^{1} 092$ | 4 |
|  | 294054 | 4 |

${ }^{1}$ Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 6. Selected Statistics for Establishments With Payroll by Employment Size Class:
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Selected statistics | Total | Establishments with an average of- |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{array}{r} 1 \text { to } 4 \\ \text { employees } \end{array}$ | $\begin{array}{r} 5 \text { to } 9 \\ \text { employees } \end{array}$ | $\begin{array}{r} 10 \text { to } 19 \\ \text { employees } \end{array}$ | $\begin{array}{r} 20 \text { to } 49 \\ \text { employees } \end{array}$ | $\begin{array}{r} 50 \text { to } 99 \\ \text { employees } \end{array}$ | 100 to 249 employees | $250 \text { to } 499$ | 500 to 999 employees | $\begin{array}{r} 1,000 \\ \text { employees } \\ \text { or more } \end{array}$ |
| 1992 |  |  |  |  |  |  |  |  |  |  |
| Number of establishments | 3319 | 2371 | 557 | 237 | 126 | 20 | 7 | 1 | - | - |
| All employees** | 17158 | 4360 | 3423 | 3103 | 3637 | 1280 | 1355 | (D) | - |  |
| Payroll, all employees | 412461 | 72709 | 72334 | 75805 | 102570 | 43132 | 45912 | (D) | - |  |
| Dollar value of business done --------------------------- | 1856076 | 400100 | 326016 | 282234 | 436483 | 190304 | 220939 | (D) | - |  |
| Net value of construction work $\dagger$------ | 1368654 | 334989 | 256344 | 229033 | 312637 | 94791 | $\underline{140860}$ | (D) | - | - |
| Value addedt† ------------------- | 814793 | 190073 | 150514 | 142506 | 176716 | 65893 | 89091 | (D) | - | - |
| Cost of materials, components, supplies, and fuels ----- | 637843 | 150980 | 111415 | 94462 | 148121 | 47231 | 85634 | (D) | - |  |
| Cost of construction work subcontracted out to others -- | 403440 | 59047 | 64087 | 45266 | 111646 | 77180 | 46214 | (D) | - |  |
| Rental cost for machinery, equipment, and buildings ---- | 31296 | 5510 | 4375 | 5015 | 7023 | 2349 | 7025 | (D) | - |  |
| Capital expenditures, other than land ------------------- | 29122 367591 | 6429 72989 | 4772 61401 | 3801 52488 | 5666 83315 | 2023 23554 | $\begin{array}{r}66431 \\ 73844 \\ \hline\end{array}$ | (D) | - | - |
| 1987 |  |  |  |  |  |  |  |  |  |  |
| All employees** | 37889 | (S) | 7649 | 7462 | 7866 | 3456 | 3614 | 1508 | (D) | - |
| Value of construction work---------------------------------------------- | 3547066 1608817 | (S) | 654457 314792 | 625314 304468 | 739591 330999 | 381237 166834 | $\begin{array}{r}626468 \\ \hline 232550 \\ \hline\end{array}$ | (D) | (D) | - |
| 1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT) |  |  |  |  |  |  |  |  |  |  |
| All employees** ----------- | 1 | 5 |  |  |  | (Z) | (Z) | (D) | - | - |
| Net value of construction work $\dagger$ - | 1 | 5 | 7 | 6 | 3 | (Z) | (Z) | (D) | - | - |
| Capital expenditures, other than | 5 | 15 | 15 | 20 | 1 | (Z) | (Z) | (D) | - | - |

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies. Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of Financial, Insurance, and Real Estate Industries.

Table 7. Selected Statistics by Size Class of Dollar Value of Business Done for Establishments With Payroll: 1992 and 1987
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Selected statistics | Total | Establishments with dollar value of business done- |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{array}{r} \text { Less than } \\ \$ 25,000 \end{array}$ | $\begin{array}{r} \$ 25,000 \\ \text { to } \\ \$ 49,999 \end{array}$ | $\begin{array}{r} \$ 50,000 \\ \text { to } \\ \$ 99,999 \end{array}$ | $\begin{aligned} & \$ 100,000 \\ & \text { to } \\ & \$ 249,999 \end{aligned}$ | $\begin{aligned} & \$ 250,000 \\ & \text { to } \\ & \$ 499,999 \end{aligned}$ | $\begin{aligned} & \$ 500,000 \\ & \text { to } \\ & \$ 9999,999 \end{aligned}$ | $\begin{aligned} & \$ 1,000,000 \\ & \text { to } \\ & \$ 2,499,999 \end{aligned}$ | $\begin{aligned} & \$ 2,500,000 \\ & \text { to } \\ & \$ 4,999,999 \end{aligned}$ | $\begin{aligned} & \$ 5,000,000 \\ & \text { to } \\ & \$ 9,999,999 \end{aligned}$ | $\begin{gathered} \$ 10,000,000 \\ \text { or more } \end{gathered}$ |
| 1992 |  |  |  |  |  |  |  |  |  |  |  |
| Number of establishments | 3319 | (S) | (S) | 546 | 1081 | 594 | 340 | 237 | 76 | 31 | 17 |
| All employees** ----- | 17158 | (S) | (S) | 809 | 2534 | 2638 | 2659 | 3150 | 1955 | 1391 | 1738 |
| Payroll, all employees | 412461 | (S) | (S) | 10333 | 39071 | 49232 | 58964 | 84058 | 58928 | 44986 | 64169 |
| Dollar value of business done ------------------ | 1856076 | (S) |  | 42005 | 171169 | 202986 | 226250 | 341670 | 247245 | 209122 | 405106 |
| Value of construction work - | 1772094 | (S) | (S) | 41627 | 167724 | 200003 | 221048 | 331247 | 240662 | 204867 | 354557 |
| Net value of construction work† ----------------- | 1368654 | (S) | (S) | 38335 | 149843 | 175489 | 191957 | 271355 | 185917 | 155109 | 190979 |
|  | 814793 | (S) | (S) | 22874 | 91232 | 98790 | 119183 | 160953 | 110959 | 86830 | 118341 |
| Cost of materials, components, supplies, and fuels | 637843 | (S) | (S) | 15839 | 62056 | 79682 | 77976 | 120826 | 81541 | 72534 | 123187 |
| Cost of construction work subcontracted out to others | 403440 | (S) | (S) | 3293 | 17881 | 24515 | 29091 | 59892 | 54745 | 49758 | 163578 |
| Rental cost for machinery, equipment, and |  |  |  |  |  |  |  |  |  |  |  |
| buildings ----------------------------1-1-1 | 31296 | (S) | (S) | $567$ | 3152 4237 | $\begin{aligned} & 2834 \\ & 2811 \end{aligned}$ | $\begin{aligned} & 2926 \\ & 3956 \end{aligned}$ | $\begin{aligned} & 5860 \\ & 48601 \end{aligned}$ | 5 3 3 | 2733 2740 | $\begin{aligned} & 7799 \\ & 74433 \end{aligned}$ |
| Capital expenditures, other than land------ | 29122 367591 | (S) | (S) | 444 8431 | 4237 35210 | 2811 42615 | 3660 57691 | 4601 67425 | 5125 43479 | 2740 20807 | 7433 90587 |
| 1987 |  |  |  |  |  |  |  |  |  |  |  |
| All employees** | 37889 | (S) | (S) |  | (S) | 5357 | 5449 | 7873 | 4001 | 3501 | 5107 |
| Value addedtt---------- | 1608817 | (S) | (S) | (S) | (S) | 186824 | 212428 | 353886 | 219688 | 189714 |  |
| 1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT) |  |  |  |  |  |  |  |  |  |  |  |
| All employees** |  |  |  |  |  |  |  |  |  |  |  |
| Net value of construction work $\dagger$---------------------- |  | (S) | (S) | 9 | 7 | 8 | 8 | 6 | 5 | 5 | (Z) |
| Capital expenditures, other than land ------------ | 5 | (S) | (S) | 38 | 19 | 18 | 21 | 17 | 2 | (Z) | (Z) |

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies. Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of Financial, Insurance, and Real Estate Industries.

# Table 8. Value of Construction Work for Establishments With Payroll by Type of Construction: 1992 and 1987 

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 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 |
| 1992 |  |  |  |  |  |  |  |  |
| Value of construction work | 1772094 | 884992 | 515950 | 260266 | 1 | 2 | 3 | 3 |
| Building construction -- | 1256003 483246 4 | 723591 305907 | 381545 122383 123 | 150866 54956 | 2 | 3 5 | 4 | 4 |
|  | 483246 45258 | 305907 290465 | 113 113 479 | 54956 48584 | 4 | 5 <br> 6 | 6 7 | 7 |
| Single-family houses, attached, including townhouses and townhouse-type condominiums | 30718 | 15442 | 8904 | 6372 | 12 | 13 | 25 | 18 |
| Apartment buildings with two or more units, including rentals, apartment---1ype condominiums, and cooperatives $\qquad$ | 35157 | 15939 | 8318 | 10900 | 10 | 17 | 13 | 11 |
| Other residential buildings, including hotels, motels, and tourist cabins.-------------- | 26473 | 22968 | 2094 | 1411 | 23 | 27 | 21 | 13 |
| Hotels, motels, and tourist cabins------------------------------------ | 15475 | 12711 | 1501 | 1263 | 4 | 2 | 25 | 14 |
| Other residential buildings -------------------------------1-1- | *10997 | *10 257 | 5593 | (S) | 56 | 60 | 37 | (S) |
|  | 116109 | 47238 | 55953 | 12918 | 5 | 3 | 9 | 10 |
| Other commercial buildings such as stores, restaurants, and automobile service stations | 178527 | 101952 | 50412 | 26163 | 4 | 4 | 8 | 9 |
|  | 161868 | 78060 | 55290 | 28519 | 4 | 5 | 6 | 10 |
| Industrial buildings ------------- | 137458 | 61321 | 49705 | 26432 | 4 | 5 | 7 | 11 |
| Warehouses | 24410 | 16739 | 5585 | 2086 | 9 | 10 | 6 | 17 |
| Educational buildings --- | 134349 | 77835 | 48599 | 7916 | 5 | 3 | 14 | ${ }^{6}$ |
| Hospitals and institutional buildings Other nonresidential buildings | 88747 31527 | 52766 20927 | 31635 6864 | 4347 3737 | 6 5 | 8 5 | 128888 | 13 9 |
| Nonbuilding construction_ | 405205 | 161401 | 134405 | 109399 | 3 | 5 | 3 | 7 |
| Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc. | 151867 | 34895 | 57385 | 59587 | 5 | 17 | 4 | 6 |
|  | 29547 | 9217 | 15301 | 5029 | 8 | 24 | (Z) | 5 |
| Power and communication transmission lines, towers, and related facilities--- | 19642 | ${ }^{(\mathrm{D})}$ | 7 (D) | 5617 | 14 | (D) | (D) | 8 |
| Sewers, water mains, and related facilities-------------1-1 | 56813 | 37606 | 7556 | 11651 | 7 |  | 15 | 13 |
| Sewers, sewer lines, septic systems, and related facilities | 35560 | 23094 | 4290 | 8177 | 8 | 7 | 22 | 15 |
| Water mains and related facilities----------------------1-1 | 21253 | 14513 | 3266 | 3474 | 11 | 15 | 11 | 14 |
| Blast furnaces, petroleum refineries, chemical complexes, etc. | 17135 | ${ }^{7}$ (D) | ${ }^{7}$ (D) | +6952 | 5 | (D) | (D) | 7 |
|  | 56102 38656 | 27259 (D) | 27 764 (D) | *1*79 ${ }^{3} 886$ | 5 |  | (D) | 50 55 |
| Water treatment plants ------------------------------------------------------------------------ | 17446 | (D) | (D) | *693 | 12 | (D) | (D) | 47 |
|  | 74100 | 38861 | 15754 | 19485 | 10 | 7 | 13 | 32 |
| Construction work, n.s.k.-- | 110886 | (NA) | (NA) | (NA) | 8 | (NA) | (NA) | (NA) |
| 1987 |  |  |  |  |  |  |  |  |
| Value of construction work --- | 3547066 | 2550131 | 540937 | 248532 | 2 | 2 | 3 | 4 |
| Building construction -- | 2837370 1349553 | 2171448 1 10 |  | 172579 | 2 | 3 | 3 | 4 |
| Single-lamily houses ----------- | 1349553 985560 | $\begin{array}{r}1110225 \\ \hline 62642\end{array}$ | 159636 150355 | 79691 72561 | 4 | 5 <br> 5 | 6 | 7 |
| Single-family houses, attached, including townhouses and townhouse-type condominiums | 363992 | 347582 | 9280 | 7129 | 12 | 13 | 10 | 17 |
| Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives $\qquad$ | 258498 | 220413 | 21622 | 16463 | 5 | 5 | 17 | 11 |
| Other residential buildings, including hotels, motels, and tourist cabins------------------ | 131429 | 90897 | 32728 | 7803 | 8 | 8 | 17 | 23 |
| Hotels, motels, and tourist cabins | 55670 | 44063 | 8684 | 2922 | 8 | 9 | 16 | 13 |
| Other residential buildings | 75759 | 46834 | 24044 | 4880 | 10 | 9 | 22 | 35 |
| Office buildings - | 252415 | 176035 | 63900 | 12480 | 3 | 3 | 5 | 10 |
| Other commercial buildings such as stores, restaurants, and automobile service stations | 302376 | 223242 | 62415 | 16718 | 3 | 3 | 9 | 13 |
| Industrial buildings and warehouses. | 275516 | 211852 | 42257 | 21406 | 2 | 2 | 9 | 7 |
| Industrial buildings | 239394 | 183492 | 36969 | 18933 | 2 | 3 | 4 | 7 |
| Warehouses---.-- | 36121 | 28360 | 5288 | 2473 | 4 | 4 |  | 18 |
| Educational buildings -------- | 125504 | 71991 | 48012 | 5500 | 4 | 5 | 8 | 7 |
|  | 67797 74282 | 34897 48195 | 28064 16177 | 4835 9915 | (NA) | (NA) ${ }^{9}$ | (NA) | (NA) ${ }^{7}$ |
| Other nonresidential buildings -------------------------------------------------- | 74282 | 48195 | 16177 | 9915 | (NA) | (NA) | (NA) | (NA) |
|  | 502232 | 362384 | 66126 | 73721 | 3 | 3 | 6 | 7 |
| Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc. $\qquad$ | 180080 | 123998 | 17148 | 38933 | 5 | 5 | 12 | 8 |
| Power and communication transmission lines, towers, and related facilities--- | 19478 | 12158 | 4747 | 2572 | 7 | 7 | 5 | 13 |
|  | 82851 | 67060 | 10000 | 5790 | 9 | 9 | 18 | 38 |
| Sewers, sewer lines, septic systems, and related facilities------------------------ | 59301 | 49033 | 7137 | +3129 | 11 | 11 | 23 | 34 |
|  | 23550 | 18026 | 2863 | *2660 | 10 | 8 | 11 | 45 |
|  | 36664 | 30020 | $6156$ |  | $\begin{array}{r} 10 \\ \text { (NA) } \end{array}$ | $10$ | (NA) | (NA) |
|  | 242460 | 178182 | 35212 | $29069$ | (NA) | (NA) | (NA) | (NA) |
|  | 207464 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |

Note: Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of Financial, Insurance, and Real Estate Industries

# Table 9. Quarterly Construction Worker Employment for Establishments With Payroll by Industry: 1992 

| $\underset{\text { SIC }}{\text { code }}$ | Industry | Number of establishments | Average number of construction workers | Construction workers ${ }^{1}$ |  |  |  | Relative standard error of estimate (percent) for column- |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | January to March | $\begin{aligned} & \text { April } \\ & \text { to June } \end{aligned}$ | July <br> to September | October to December |  |  |  |  |  |  |
|  |  | A | B | c | D | E | F | A | B | C | D | E | F |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries ------- | 3319 | 12885 | 10253 | 13109 | 14675 | 13501 | 1 | 1 | 2 | 2 | 1 | 2 |
| 15 | contractors and operative builders: <br> General contractors, residential buildings: <br> Single-family houses $\qquad$ <br> Other residential buildings $\qquad$ |  |  |  |  |  |  |  |  |  |  |  |  |
| 152 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 1521 \\ & 1522 \end{aligned}$ |  | 728 26 | 1633 88 | 1437 78 | 1595 92 | 1809 94 | 1691 90 | 4 35 | 7 29 | 7 28 | 7 30 | 7 28 | 8 29 |
| 1531 | Operative builders ------------------ | 85 | 146 | (S) | 148 | 185 | 140 | 14 | 9 | (S) | 8 | 14 | 8 |
| 154 | General contractors, nonresidential buildings: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1541 | Industrial buildings and warehouses $\qquad$ | 60 | 223 | 234 | 193 | 216 | 248 | 24 | 22 | 20 | 22 | 22 | 31 |
| 1542 | Nonresidential buildings, n.e.c. ---- | 97 | 889 | 821 | 883 | 973 | 880 |  | 5 |  |  | 4 | 5 |
| 16 | Heavy construction other than building construction-contractors: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1611 | Highway and street construction----- | 69 | 1007 | 441 | 1111 | 1379 | 1099 | 20 | 5 | 9 | 5 | 5 | 5 |
| $\begin{aligned} & 162 \\ & 1622 \end{aligned}$ | Heavy construction, except highway: Bridge, tunnel, and elevated highway construction | 7 | 86 | 58 | 97 | 105 | 82 | 16 | 11 | 6 | 7 | 12 | 19 |
| 1623 | Water, sewer, and utility lines ------ | 36 | 356 | 257 | 353 | 397 | 416 | 16 | 13 | 13 | 13 | 13 | 12 |
| 1629 | Heavy construction, n.e.c. --------- | 129 | 778 | 483 | 798 | 955 | 874 | 13 | 7 | 8 | 6 | 6 | 8 |
| 17 | Special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and airconditioning $\qquad$ | 430 | 1735 | 1567 | 1796 | 1828 | 1750 | 4 | 4 | 4 | 4 | 4 | 5 |
| 1721 | Painting and paper hanging --------- | 183 | 435 | 208 | 510 | 601 | 422 | 6 | 13 | 15 | 14 | 15 | 13 |
| 1731 | Electrical work----------------------- | 337 | 1134 | 1002 | 1055 | 1288 | 1189 | 3 | 4 | 4 | 5 | 5 | 6 |
| 174 | Masonry, stonework, tile setting, and plastering: <br> Masonry, stone setting, and other stonework <br> Plastering, drywall, and insulation work <br> Terrazzo, tile, marble, and mosaic work |  |  |  |  |  |  |  |  |  |  |  |  |
| 1741 |  | 79 | 224 | 146 | 216 | 239 | 294 | 9 | 12 | 17 | 12 | 8 | 11 |
| 1742 |  | 105 | 781 | 738 | 766 | 750 | 869 | 8 | 8 | 7 | 12 | 6 | 12 |
| 1743 |  | 8 | 17 | (S) | 14 | (S) | 16 | 13 | 6 | (S) | (Z) | (S) | (Z) |
| 175 1751 1752 | Carpentry and floor work: <br> Carpentry $\qquad$ | 247 | 554 | 466 | 583 | 602 | 564 | 5 | 8 | 9 | 9 | 8 | 9 |
| 1761 | Roofing, siding, and sheet metal work | 114 | 454 | 347 | 430 | 525 | 512 | 12 | 9 | 8 | 8 | 10 | 10 |
| 1771 | Concrete work------------------------ | 145 | 521 | 341 | 556 | 654 | 534 | 11 | 12 | 16 | 11 | 10 | 12 |
| 1781 | Water well drilling ------------------- | 32 | 100 | 83 | 96 | 117 | 106 | 13 | 25 | 24 | 25 | 24 | 26 |
| 179 | Miscellaneous special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1791 | Structural steel erection ---------- | 39 | 262 | 223 | 277 | 244 | 303 | 22 | 14 | 12 | 17 | 14 | 15 |
| 1793 1794 | Glass and glazing work --------------------- Excavation work | 19 170 | 64 493 | 54 399 | 54 550 | 572 | 80 450 | 39 13 | 23 13 | 14 16 | 14 12 12 | 22 13 | 37 13 |
| 1795 | Wrecking and demolition work--------- | 9 | 61 | 56 | 70 | 66 | 50 | 27 | 8 | 4 | 10 | 11 | 5 |
| 1796 | Installing building equipment, n.e.c. | 16 | 215 | 169 | 200 | 233 | 255 | 4 | 1 | 2 | 1 | 1 | 1 |
| 1799 | Special trade contractors, n.e.c.---- | 101 | 480 | 387 | 510 | 595 | 428 | 13 | 12 | 15 | 12 | 11 | 14 |

[^9]Table 10. Selected Industry Ratios for Establishments With Payroll in This State: 1992
[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| $\underset{\text { code }}{\text { SIC }}$ | Industry | Average number of employees** per establishment | Payroll per employee (\$1,000) | Value of construction work per construction $(\$ 1,000)$ | Average per dollar value of construction work |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Payroll, all employees | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted out to others | Value of construction work subcontracted in from others | $\begin{array}{r} \text { Rental } \\ \text { cost } \\ \text { for } \\ \text { machinery, } \\ \text { equipment, } \\ \text { and } \\ \text { buildings } \end{array}$ |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries | 5.2 | 24.0 | 137.5 | . 233 | . 360 | . 228 | . 297 | . 018 |
| 15 | Building construction-General contractors and operative builders: |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 152 \\ & 1521 \end{aligned}$ | General contractors, residential buildings: Single-family houses | 3.0 | 16.3 | 121.1 | . 179 | . 387 | . 255 | . 074 | . 011 |
| 1522 | Other residential buildings------------------- | 4.4 | 28.8 | 128.8 | .292 | . 122 | . 292 | *. 036 | . 018 |
| 1531 | Operative builders ------ | 4.1 | 27.0 | 741.1 | . 087 | . 389 | . 273 | (S) | . 005 |
| 154 1541 1542 | General contractors, nonresidential buildings: Industrial buildings and warehouses | 5.5 | 20.6 | 145.5 | . 210 | . 261 | . 390 | . 043 | . 015 |
| 1542 | Nonresidential buildings, n.e.c.---------------------------------- | 13.6 | 30.9 | 316.3 | . 145 | . 182 | . 623 | . 060 | . 008 |
| 16 | Heavy construction other than building constructioncontractors: |  |  |  |  |  |  |  |  |
| 1611 | Highway and street construction ----------------------------- | 18.3 | 32.1 | 154.1 | . 263 | (D) | . 137 | . 230 | . 053 |
| $\begin{aligned} & 162 \\ & 1622 \end{aligned}$ | Heavy construction, except highway: <br> Bridge, tunnel, and elevated highway construction | 16.1 | 31.0 | 228.3 | . 189 | . 325 | . 358 | . 132 | . 031 |
| 1623 | Water, sewer, and utility lines-------------------------------- | 11.9 | 25.3 | 95.9 | . 320 | . 273 | . 099 | . 247 | . 016 |
| 1629 | Heavy construction, n.e.c. ----- | 7.8 | 25.8 | 157.7 | . 212 | . 393 | . 230 | . 229 | . 022 |
| 17 | Special trade contractors: |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and air-conditioning --------------------- | 5.7 | 26.9 | 126.7 | . 298 | . 387 | . 127 | . 457 | . 017 |
| 1721 | Painting and paper hanging ----------------------------------- | 2.9 | 15.3 | 59.6 | . 309 | (D) | . 115 | . 494 | . 011 |
| 1731 | Electrical work .- | 4.4 | 24.9 | 101.2 | . 325 | . 440 | . 018 | . 533 | . 015 |
| 174 1741 | Masonry, stonework, tile setting, and plastering: | 3.3 | 20.1 | 73.1 | 317 | 368 | 033 | 792 | 014 |
| 1742 | Plastering, drywall, and insulation work ----------------------- | 9.2 | 26.2 | 116.7 | . 278 | . 378 | . 145 | . 863 | . 014 |
| 1743 | Terrazzo, tile, marble, and mosaic work------------------------ | 2.9 | 18.1 | 104.2 | . 225 | . 433 | . 058 | . 903 | (S) |
| 175 1751 | Carpentry and floor work: Carpentry | 2.7 | 18.7 | 100.6 | . 225 | . 366 | . 157 | . 347 | . 012 |
| 1752 | Floor laying and other floor work--------------------------------------------- | 3.9 | 22.3 | 152.5 | . 185 | . 507 | . 075 | . 578 | . 006 |
| 1761 | Roofing, siding, and sheet metal work ----------------------- | 5.8 | 20.4 | 101.1 | . 291 | . 491 | . 049 | . 460 | . 022 |
| 1771 | Concrete work -- | 4.2 | 20.8 | 84.1 | . 286 | . 371 | . 034 | . 630 | . 018 |
| 1781 | Water well drilling ---------------------------------------------- | 4.4 | 25.2 | 120.2 | . 292 | . 407 | (D) | *. 272 | . 013 |
| 179 | Miscellaneous special trade contractors: |  |  |  |  |  |  |  |  |
| 1791 1793 | Structural steel erection $\qquad$ Glass and glazing work $\square$ | 8.7 5.3 | 23.3 23.9 | 81.7 134.9 | .366 .279 | (D) | .063 (D) | .902 $* .414$ | . 022 |
| 1794 |  | 3.6 | 20.6 | 102.0 | . 248 | . 342 | . 094 | . 339 | . 032 |
| 1795 |  | 8.1 | (D) | 100.2 | (D) | (D) | (D) | (D) | . 038 |
| 1796 | Installing building equipment, n.e.c. | 17.3 | 24.9 | 107.8 | . 303 | . 272 | . 042 | . 520 | . 011 |
| 1799 | Special trade contractors, n.e.c. -------------------------------- | 6.8 | (D) | 104.3 | (D) | . 324 | . 058 | (D) | . 016 |

## Table 11. Selected Statistics for Establishments With Payroll for Selected Metropolitan Areas: 1992

| $\begin{aligned} & \text { SIC } \\ & \text { code } \end{aligned}$ | Geographic area and industry | Number of establishments | $\text { employees** }^{\text {All }}$ | Payroll, all employees | Value of construction work | Net <br> value of construction work $\dagger$ | Value added $\dagger \dagger$ | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted out to others | Capital expenditures, other than land | Rel stan erro estit (per f |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | A | B | c | D | E | F | G | H | 1 | B | E |
|  | BOSTON-WORCESTERLAWRENCE, MA-NH-ME-CT CMSA |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} 15,16 \\ 17 \end{gathered}$ | Construction industries .--------- | 12243 | 81838 | 2373923 | 10850651 | 7795632 | 4779944 | 3171595 | 3055019 | 114237 | 1 | 1 |
| 15 | Building construction-General contractors and operative builders: |  |  |  |  |  |  |  |  |  |  |  |
| 152 | General contractors, residential buildings: |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 1521 \\ & 1522 \end{aligned}$ | Single-family houses $\qquad$ Other residential buildings $\qquad$ | (S) | 5708 813 | $\begin{array}{r} 110750 \\ 22429 \end{array}$ | $\begin{aligned} & 706759 \\ & 112671 \end{aligned}$ | $\begin{array}{r} 493053 \\ 72527 \end{array}$ | 242509 46531 | $\begin{array}{r} 263814 \\ 29106 \end{array}$ | 213705 40144 | 6606 807 | 5 13 | 5 12 |
| 1531 | Operative builders .------------------ | 385 | 1578 | 44821 | 682250 | 442959 | 218538 | 236385 | 239291 | 2619 | 7 | 14 |
| 154 | General contractors, nonresidential buildings: |  |  |  |  |  |  |  |  |  |  |  |
| 1541 | Industrial buildings and warehouses | 156 | 1029 | 32600 | 206537 | 101940 | 73206 | 30157 | 104597 | (S) | 10 | 6 |
| 1542 | Nonresidential buildings, n.--.-.-------- | 661 | 7636 | 251621 | 2297588 | 792724 | 406931 | 422836 | 1504864 | 8797 | 3 | 2 |
| 16 | Heavy construction other than building construction-contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1611 | Highway and street construction ----- | 186 | 2376 | 76098 | 351410 | 283480 | 167496 | 119003 | 67930 | 9828 | 4 | 3 |
| $\begin{aligned} & 162 \\ & 1622 \end{aligned}$ | Heavy construction, except highway: <br> Bridge, tunnel, and elevated |  |  |  |  |  |  |  |  |  |  |  |
| 1623 | highway construction--------------- | 240 | 2 825 | 88879 | 461351 | 388973 | 202177 179 | 108555 113000 | 150077 | $\begin{array}{r}6415 \\ 13030 \\ \hline 1\end{array}$ | 3 5 | 1 4 |
| 1629 | Heavy construction, n.e.c. ----------- | 265 | 5716 | 231386 | 916111 | 708579 | 507539 | 208904 | 207533 | 11223 | 1 | 1 |
| 17 | Special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and airconditioning | 1823 | 11509 | 353357 | 1207486 | 1033712 | 613810 | 435086 | 173774 | 10922 | 2 | 2 |
| 1721 | Painting and paper hanging ---------- | 614 | 2761 | 55356 | 148651 | 138536 | 104643 | 34419 | 10115 | 2239 | 5 | 6 |
| 1731 | Electrical work ----------------------- | 1468 | 10685 | 339496 | 1016518 | 969186 | 600178 | 382086 | 47332 | 8411 | 2 | 2 |
| 174 | Masonry, stone work, tile setting, and plastering: |  |  |  |  |  |  |  |  |  |  |  |
| 1741 | Masonry, stone setting, and other stone work | (S) | 2317 | 51729 | 165144 | 154433 | 107492 | 47573 | 10711 | 1838 | 10 | 5 |
| 1742 | Plastering, drywall, and insulation work $\qquad$ | 429 | 3271 | 89477 | 287958 | 256401 | 164927 | 94202 | 31557 | 2020 | 9 | 9 |
| 1743 | Terrazzo, tile, marble, and mosaic work $\qquad$ | 74 | 282 | (S) | 20828 | 20031 | (S) | 8978 | *797 | (S) | 17 | 12 |
| 175 | Carpentry and floor work: |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 1751 \\ & 1752 \end{aligned}$ | Carpentry <br> Floor laying and other floor work --- | 924 244 | $\begin{array}{r}3085 \\ \\ \hline 69\end{array}$ | $\begin{aligned} & 67890 \\ & 21663 \end{aligned}$ | $\begin{aligned} & 287397 \\ & 122958 \end{aligned}$ | $\begin{array}{r} 237944 \\ \text { (D) } \end{array}$ | $\begin{array}{r} 132041 \\ 51223 \end{array}$ | $\begin{array}{r} 108826 \\ 58862 \end{array}$ | $\begin{array}{rr} 49453 \\ & \text { (D) } \end{array}$ | $\begin{array}{r} (\mathrm{S}) \\ 829 \end{array}$ | 8 | ${ }^{6}{ }^{6}$ |
| 1761 | Roofing, siding, and sheet metal work $\qquad$ | 431 | 2833 | 71126 | 252638 | 232396 | 138680 | 96777 | 20242 | (S) | 5 | 5 |
| 1771 | Concrete work ------------------------ | 506 | 2796 | 63312 | 229191 | 212292 | 132871 | 80223 | 16899 | 4478 | 6 | 5 |
| 1781 | Water well drilling ------------------- | 59 | 344 | 10038 | 32704 | 32475 | 20418 | 12117 | 228 | 671 | 13 | 12 |
| 179 | Miscellaneous special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1791 1793 | Structural steel erection ------------------- Glass and glazing work | 97 98 | 1818 527 | 58940 12828 | 150435 41966 | ( ${ }^{\text {(D) }}$ | 103748 26199 | 34133 18892 | (D) | $\begin{array}{r}2110 \\ \times 174 \\ \hline\end{array}$ | 7 | (D) |
| 1794 | Excavation work---------------------- | 417 | 2138 | 55937 | 206929 | 181644 | 135178 | 55880 | 25285 | 5767 | 9 | 8 |
| 1795 | Wrecking and demolition work ----- | (S) | 342 | 8672 | 33380 | 29628 | 25313 | 4978 | 3752 | 537 | 2 | 2 |
| 1796 | Installing building equipment, n.-.---- | 104 | 2698 | 74030 | 219189 | 212956 | 159611 | 54929 | 6233 | 1411 | 1 | 1 |
| 1799 | Special trade contractors, n.e.c.---- | 502 | 4428 | 111827 | 333580 | 308834 | 206493 | 111877 | 24745 | 8170 | 5 | 5 |
|  | Boston, MA-NH PMSA |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries ---------- | 6890 | 49004 | 1486300 | 7345622 | 5037835 | 3091565 | 2036809 | 2307788 | 63841 | 1 | 1 |
| 15 | Building construction-General contractors and operative builders: |  |  |  |  |  |  |  |  |  |  |  |
| 152 | General contractors, residential buildings: |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 1521 \\ & 1522 \end{aligned}$ | Single-family houses $\qquad$ Other residential buildings | (S) | 3300 576 | $\begin{aligned} & 68901 \\ & 17037 \end{aligned}$ | $\begin{array}{r} 446379 \\ 91317 \end{array}$ | $\begin{array}{r} 300398 \\ 56843 \end{array}$ | $\begin{array}{r} 146791 \\ 34837 \end{array}$ | $\begin{array}{r} 162628 \\ 24428 \end{array}$ | $\begin{array}{r} 145980 \\ 34474 \end{array}$ | $\begin{array}{rr} 3439 \\ \text { (D) } \end{array}$ | 7 15 | 7 12 |
| 1531 | Operative builders ------------------- | 221 | 861 | 24309 | 415801 | 250657 | 125846 | 130415 | *165 143 | 1510 | 11 | 24 |
| 154 | General contractors, nonresidential buildings: |  |  |  |  |  |  |  |  |  |  |  |
| 1541 | Industrial buildings and warehouses. | 57 | 482 |  | 151294 | 66669 | 49476 | 17696 | 84625 | (S) | 4 | 7 |
| 1542 | Nonresidential buildings, n.e.c. ----- | 427 | 5608 | 188819 | 1816995 | 622029 | 302192 | 337134 | 1194965 | 5478 | 4 | 3 |
| 16 | Heavy construction other than building construction-contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1611 | Highway and street construction ----- | 113 | 1150 | 38991 | 163678 | 131639 | 85092 | 47667 | 32039 | 4683 | 6 | 5 |
| $\begin{aligned} & 162 \\ & 1622 \end{aligned}$ | Heavy construction, except highway: <br> Bridge, tunnel, and elevated highway construction | 20 | 1272 | 58855 | 446559 |  | 194891 | 105912 |  |  |  |  |
| 1623 | Water, sewer, and utility line--------- | 135 | 1610 | 55071 | 229030 | 175225 | 104244 | 74843 | 53805 | 5833 | 6 | 5 |
| 1629 | Heavy construction, n.e.c. --------- | 139 | 2531 | 96601 | 602815 | 439445 | 337881 | 106030 | 163370 | 6046 | 3 | 2 |

## NH-14 NEW HAMPSHIRE

Table 11. Selected Statistics for Establishments With Payroll for Selected Metropolitan
Areas: 1992-Con.


# Table 11. Selected Statistics for Establishments With Payroll for Selected Metropolitan <br> Areas: 1992-Con. 

| $\underset{\text { code }}{\text { SIC }}$ | Geographic area and industry | Number of establishments | $\underset{\text { employees }^{\star} \star}{\text { All }}$ | Payroll, all employees | Value of construction work | Net value of construction work $\dagger$ | Value added $\dagger+$ | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted out to others | Capital expenditures, other than land | Rela stan erro estir ent per for colum |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | A | B | C | D | E | F | G | H | 1 | B | E |
| $\begin{aligned} & 15,16, \\ & 17^{17} \\ & \hline \end{aligned}$ | BOSTON-WORCESTERLAWRENCE, MA-NH-ME-CT CMSA-Con. <br> Lawrence, MA-NH PMSA-Con. Construction industries-Con. Special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and airconditioning | 105 | 532 | 14311 | 44270 | 40775 | 26349 | 14683 | 3494 | 746 | 7 | 7 |
| 1721 | Painting and paper hanging ---------- | 36 | 69 | 1109 | 5292 | (D) | 2829 | 1359 | (D) | 161 | 5 | (D) |
| 1731 | Electrical work | 86 | 347 | 8525 | 27756 | 26542 | 15926 | 11099 | *1214 | 182 | 14 | 14 |
| 174 | Masonry, stone work, tile setting, and plastering: |  |  |  |  |  |  |  |  |  |  |  |
| 1741 | Masonry, stone setting, and other stone work $\qquad$ | (S) | 120 | 2148 | 6578 | 6227 | 4493 | 1734 | 351 | (S) | 17 | 7 |
| 1742 | Plastering, drywall, and insulation work $\qquad$ | 24 | 197 | 4965 | 15163 | 14254 | 10026 | 4233 | 909 | 68 | 12 | 15 |
| 1743 | Terrazzo, tile, marble, and mosaic work $\qquad$ | 1 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | - | (D) | (D) |
| 175 1751 1752 | Carpentry and floor work: <br> Carpentry $\qquad$ <br> Floor laying and other floor work | 48 | 183 | 3668 | 15010 | (D) | 6059 | 4943 | (D) | 149 | 17 | (D) |
| 1761 | Roofing, siding, and sheet metal work $\qquad$ | 25 | 175 | 2915 | 11383 | 10758 | 5877 | 4881 | 625 | 269 | 7 | 6 |
| 1771 | Concrete work ----------------------- | 26 | (D) | 4333 | 13495 | 11729 | 6478 | 5325 | 1766 | 343 | (D) | 6 |
| 1781 | Water well drilling ------------------- | 7 | 37 | 1058 | 3335 | 3323 | 2170 | 1212 | *12 | (D) | 28 | 29 |
| 179 | Miscellaneous special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1791 1793 | Structural steel erection ----------------- | *9 ${ }^{*} 9$ | (D) | $\begin{array}{r}\text { (S) } \\ * 1354 \\ \hline\end{array}$ | (D) | (D) | (S) | $\begin{array}{r}\text { (S) } \\ * 2455 \\ \hline\end{array}$ |  | (D) | (D) | (D) |
| 1794 | Glass and glazing work ----------------------- | (S) | (S) | *1354 | (S) | (S) | (S) | *2455 | (S) | (S) | (S) | (D) |
| 1795 | Wrecking and demolition work ----- | (S) | (S) | (S) | (S) | (D) | (S) | (S) | (D) | (D) | (S) | (D) |
| 1796 1799 | Installing building equipment, n.e.c.Special trade contractors, n.e.c. | 47 |  |  |  |  | 51652 |  |  |  | (D) | (D) |
|  | Lowell, MA-NH PMSA |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries .--------- | 711 | 4158 | 107067 | 528670 | 419261 | 238826 | 188724 | 109408 | 9495 | 3 | 4 |
| 15 | Building construction-General contractors and operative builders: |  |  |  |  |  |  |  |  |  |  |  |
| 152 | General contractors, residential buildings: |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 1521 \\ & 1522 \end{aligned}$ | Single-family houses $\qquad$ <br> Other residential buildings $\qquad$ | $\stackrel{96}{*} 5$ | 309 $(S)$ | $\begin{array}{r} 5515 \\ \times 759 \end{array}$ | $\begin{array}{r} 36626 \\ \text { (S) } \end{array}$ | $\begin{array}{r} 767 \\ \\ \\ \text { (S) } \end{array}$ | $\begin{array}{r} 10710 \\ \text { (S) } \end{array}$ | (S) | (S) | (S) | (S) | (S) |
| 1531 | Operative builders ------------------ | 33 | 207 | 6136 | 93229 | 66412 | 34617 | 35840 | 26817 | *482 | 20 | 16 |
| 154 | General contractors, nonresidential buildings: |  |  |  |  |  |  |  |  |  |  |  |
| 1541 | Industrial buildings and warehouses | (S) | (S) | S) | S) | () | (S) | S) | D) | (S) | (S) | (D) |
| 1542 | Nonresidential buildings, n.e.c. ----- | 35 | 212 | 4483 | 31329 | 15843 | 8568 | 7340 | 15486 | *2 | 29 | 18 |
| 16 | Heavy construction other than building construction-contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1611 | Highway and street construction ----- | 8 | (S) | 11231 | (D) | (D) | 25147 | (D) | (D) | (S) | (S) | (D) |
| $\begin{aligned} & 162 \\ & 1622 \end{aligned}$ | Heavy construction, except highway: Bridge, tunnel, and elevated |  |  |  |  |  |  |  |  |  |  |  |
| 1623 | Water, sewer, and utility lines-------- | 12 | 110 | 3204 | 9669 | 9082 | 6905 | 2207 | 587 | (D) | 17 | (D) |
| 1629 | Heavy construction, n.e.c. ---------- | (S) | (S) | (S) | (S) | (D) | (S) | (S) | (D) | (D) | (S) | (D) |
| 17 | Special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and airconditioning | 114 | 477 | 12485 | 58368 | 47336 | 28430 | 18941 | *11 032 | 469 | 15 | 14 |
| 1721 | Painting and paper hanging ---------- | 46 | 151 | (S) | (S) | (S) | (D) | 1671 | (S) | 229 | 20 | (S) |
| 1731 | Electrical work ---------------------- | 101 | 827 | 22284 | 65275 | 64568 | 36458 | 28112 | 707 | 318 | 10 | 8 |
| 174 | Masonry, stone work, tile setting, and plastering: |  |  |  |  |  |  |  |  |  |  |  |
| 1741 | Masonry, stone setting, and other stone work $\qquad$ | 18 | 69 | (S) | 3791 | 3661 | 2446 | 1215 | *129 | (D) | 21 | 21 |
| 1742 | Plastering, drywall, and insulation work $\qquad$ | 28 | 183 | 6169 | 21152 | (D) | 10722 | 7217 | (D) | *100 | 16 | (D) |
| 1743 | Terrazzo, tile, marble, and mosaic work $\qquad$ | - | - |  | - | (D) |  |  | (D) | - | - | (D) |
| 175 | Carpentry and floor work: |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 1751 \\ & 1752 \end{aligned}$ | Carpentry Floor laying and other floor work .-- | 55 9 | 94 41 | $\begin{array}{r} 1422 \\ 975 \end{array}$ | $\begin{aligned} & 5997 \\ & 4677 \end{aligned}$ | $\begin{aligned} & 4764 \\ & 4429 \end{aligned}$ | $\begin{aligned} & 2830 \\ & 1345 \end{aligned}$ | $\begin{array}{ll} 2024 \\ 3084 \end{array}$ | $\begin{array}{r}* 1232 \\ \\ \\ \hline 48\end{array}$ | (D) | 24 20 | 21 10 |
| 1761 | Roofing, siding, and sheet metal work $\qquad$ | (S) | 259 | 8177 | 20196 | 19198 | 13995 | (S) | 998 | 173 | 17 | 14 |

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Table 11. Selected Statistics for Establishments With Payroll for Selected Metropolitan
Areas: 1992-Con.

\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \[
\begin{gathered}
\text { SIC } \\
\text { code }
\end{gathered}
\] \& Geographic area and industry \& Number of establishments \& \[
\underset{\text { employees** }^{\text {All }}}{ }
\] \& Payroll, all employees \& Value of construction work \& Net value of construction work \(\dagger\) \& Value added \(\dagger \dagger\) \& Cost of materials, components, supplies, and fuels \& Cost of construction work subcontracted out to others \& Capital expenditures, other than land \& Rela
stan
erro
estir
(perce
for
colur \& \\
\hline \& \& A \& B \& c \& D \& E \& F \& G \& H \& 1 \& B \& E \\
\hline \& \begin{tabular}{l}
BOSTON-WORCESTERLAWRENCE, MA-NH-ME-CT CMSA-Con. \\
Lowell, MA-NH PMSA-Con.
\end{tabular} \& \& \& \& \& \& \& \& \& \& \& \\
\hline \[
\begin{aligned}
\& 15,16, \\
\& 17 \\
\& 17 \\
\& 1771
\end{aligned}
\] \& \begin{tabular}{l}
Construction industries-Con. \\
Special trade contractors-Con. \\
Concrete work \(\qquad\)
\end{tabular} \& 29 \& 260 \& 5086 \& 35071 \& (D) \& 17543 \& 13125 \& (D) \& 1769 \& 13 \& (D) \\
\hline 1781 \& Water well drilling ------------------- \& 4 \& 43 \& (D) \& (D) \& (D) \& 2843 \& 1387 \& (D) \& (D) \& 24 \& (D) \\
\hline 179 \& Miscellaneous special trade contractors: \& \& \& \& \& \& \& \& \& \& \& \\
\hline 1791
1793 \& Structural steel erection ----------------- \& *4 \& *14 \& *129 \& \(* 456\)

996 \& * 360 \& $\begin{array}{r}\text { * } 335 \\ 527 \\ \hline\end{array}$ \& (D) \& (S) \& (D) \& 73 \& (D) <br>
\hline 1794 \& Excavation work--------------------- \& 18 \& 58 \& 1447 \& 5457 \& (D) \& 3487 \& 1119 \& (D) \& (D) \& 26 \& (D) <br>
\hline 1795 \& Wrecking and demolition work ------- \& 3 \& (D) \& 361 \& (D) \& (D) \& (D) \& 554 \& (D) \& (D) \& (D) \& (D) <br>
\hline 1796 \& Installing building equipment, n.e.c.-- \& 4 \& 61 \& 2072 \& 6865 \& (D) \& 3835 \& (D) \& (D) \& (D) \& (Z) \& (D) <br>
\hline 1799 \& Special trade contractors, n.e.c.---- \& (S) \& 252 \& 5289 \& 20710 \& 18986 \& 11812 \& 7333 \& *1724 \& 414 \& 8 \& 13 <br>
\hline \& Manchester, NH PMSA \& \& \& \& \& \& \& \& \& \& \& <br>

\hline $$
\begin{gathered}
15,16, \\
17
\end{gathered}
$$ \& Construction industries ---------- \& 504 \& 3407 \& 87906 \& 396764 \& 286943 \& 157297 \& 137693 \& 109821 \& 4018 \& 5 \& 5 <br>

\hline 15 \& Building construction-General contractors and operative builders: \& \& \& \& \& \& \& \& \& \& \& <br>
\hline 152 \& General contractors, residential buildings: \& \& \& \& \& \& \& \& \& \& \& <br>

\hline $$
\begin{aligned}
& 1521 \\
& 1522
\end{aligned}
$$ \& Single-family houses $\qquad$ Other residential buildings $\qquad$ \& 85

$\times 11$ \& 221
$* 34$ \& 2645
(S) \& (S)
$* 2173$ \& (S)
$* 2129$ \& (S) \& *506) \& (S) \& * (D) \& 27
64 \& (S) <br>
\hline 1531 \& Operative builders ------------------- \& *19 \& 83 \& 2081 \& 24765 \& 18641 \& *6680 \& 12037 \& *6124 \& (D) \& 29 \& 28 <br>
\hline 154 \& General contractors, nonresidential buildings: \& \& \& \& \& \& \& \& \& \& \& <br>
\hline 1541 \& Industrial buildings and warehouses \& 5 \& 48 \& 1389 \& 5571 \& 3619 \& 3690 \& *616 \& 1952 \& *13 \& 17 \& 35 <br>
\hline 1542 \& Nonresidential buildings, n.e.c. ----- \& 32 \& 359 \& 14002 \& 99097 \& 34201 \& 22978 \& 16125 \& 64897 \& 584 \& 12 \& 7 <br>
\hline 16 \& Heavy construction other than building construction-contractors: \& \& \& \& \& \& \& \& \& \& \& <br>
\hline 1611 \& Highway and street construction ----- \& *7 \& 191 \& (D) \& (D) \& (D) \& 8731 \& (D) \& (D) \& 441 \& 19 \& (D) <br>

\hline \[
$$
\begin{aligned}
& 162 \\
& 1622
\end{aligned}
$$

\] \& | Heavy construction, except highway: |
| :--- |
| Bridge, tunnel, and elevated highway construction | \& - \& \& - \& - \& - \& \& \& - \& - \& - \& - <br>

\hline 1623
1629 \& Water, sewer, and utility lines Heavy construction, n.e.c. $\qquad$ \& * ${ }^{6}$ ) \& (S) 8 \& 1941

(D) \& (S) \& $$
\begin{aligned}
& \text { (D) } \\
& \text { (S) }
\end{aligned}
$$ \& \[

$$
\begin{aligned}
3755 \\
\text { (D) }
\end{aligned}
$$

\] \& \[

2532
\] \& (D) \& (S) \& (S) \& (D) <br>

\hline 17 \& Special trade contractors: \& \& \& \& \& \& \& \& \& \& \& <br>
\hline 1711 \& Plumbing, heating, and airconditioning \& 79 \& 739 \& 20396 \& 84590 \& 66575 \& 30110 \& 36788 \& 18016 \& 723 \& 11 \& 10 <br>
\hline 1721 \& Painting and paper hanging ---------- \& 48 \& 167 \& 2708 \& 7818 \& 7032 \& 5125 \& 1916 \& *786 \& - \& 34 \& 34 <br>
\hline 1731 \& Electrical work ---------------------- \& (S) \& (S) \& (S) \& (S) \& (S) \& (S) \& (S) \& *974 \& (S) \& (S) \& (S) <br>
\hline 174
1741 \& Masonry, stone work, tile setting, and plastering: \& \& \& \& \& \& \& \& \& \& \& <br>
\hline 1741 \& Masonry, stone setting, and other stone work \& *9 \& 13 \& 127 \& (D) \& (D) \& (S) \& *388 \& (D) \& (S) \& 35 \& (D) <br>
\hline 1742 \& Plastering, drywall, and insulation work $\qquad$ \& (S) \& 185 \& 4463 \& 18247 \& (D) \& 6236 \& 7595 \& (D) \& (D) \& 34 \& (D) <br>
\hline 1743 \& Terrazzo, tile, marble, and mosaic work $\qquad$ \& (S) \& (D) \& (D) \& (D) \& (D) \& (D) \& (D) \& (D) \& (D) \& (D) \& (D) <br>

\hline \[
$$
\begin{aligned}
& 175 \\
& 1751 \\
& 1752
\end{aligned}
$$

\] \& | Carpentry and floor work: |
| :--- |
| Carpentry $\qquad$ Floor laying and other floor work | \& 21

7 \& 75
52 \& 2000
1244 \& $* 10893$
9 \& (D)
8813 \& 4237
3922 \& $* 4194$
4911 \& (D) \& (D) \& 23
15 \& (D) <br>
\hline 1761 \& Roofing, siding, and sheet metal work \& *25 \& 150 \& 3207 \& 11349 \& 11256 \& 6959 \& 4542 \& *93 \& (D) \& 26 \& 24 <br>
\hline 1771 \& Concrete work ----------------------- \& 23 \& *68 \& *1618 \& *7130 \& *6904 \& *5 320 \& *1584 \& 226 \& *117 \& 41 \& 65 <br>
\hline 1781 \& Water well drilling ------------------- \& (S) \& (S) \& (D) \& (S) \& (S) \& (S) \& (D) \& - \& - \& (S) \& (S) <br>
\hline 179 \& Miscellaneous special trade contractors: \& \& \& \& \& \& \& \& \& \& \& <br>
\hline 1791
1793 \& Structural steel erection ----------------- \& ${ }_{(12}$ \& 111
(D) \& 2086 \& 4453 \& 4279 \& 3076
(D) \& 1204
(D) \& 174 \& (D) \& (D) \& 30 <br>
\hline 1794 \& Excavation work -------------------- \& *22 \& ${ }^{82}$ \& 2005 \& 6772 \& 6098 \& 5347 \& 1587 \& 674 \& (D) \& 22 \& ( 39 <br>
\hline 1795 \& Wrecking and demolition work ----- \& $\overline{5}$ \& (D) \& \& \& \& \& \& \& (D) \& (D) \& (D) <br>
\hline 1796
1799 \& Installing building equipment, n.e.c.-
Special trade contractors, ne.c.--- \& (S) \& (D) \& 892
3907 \& 10888 \& (10 (D) \& 7 (D) \& 312
3630 \& 148
280 \& (D) \& (D) \& (D) <br>
\hline
\end{tabular}

Table 11. Selected Statistics for Establishments With Payroll for Selected Metropolitan Areas: 1992-Con.

| $\underset{\text { code }}{\text { SIC }}$ | Geographic area and industry | Number of establishments | $\underset{\text { employees** }}{\text { All }}$ | Payroll, all employees | Value of construction work | Net value of construction work $\dagger$ | Value added $\dagger$ | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted out to others | Capital expenditures, other than land | Relative standard error of estimate (percent) for column- |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | A | B | C | D | E | F | G | H | । | B | E |
|  | BOSTON-WORCESTERLAWRENCE, MA-NH-ME-CT CMSA-Con. <br> Portsmouth-Rochester, NH-ME PMSA |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries .--------- | 714 | 2907 | 64307 | 262556 | 224525 | 132790 | 96814 | 38030 | 4418 | 7 | 7 |
| 15 | Building construction-General contractors and operative builders: |  |  |  |  |  |  |  |  |  |  |  |
| 152 | General contractors, residential buildings: |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 1521 \\ & 1522 \end{aligned}$ | Single-family houses $\qquad$ Other residential buildings $\qquad$ | (S) | $\begin{array}{r} 538 \\ \text { (D) } \end{array}$ | $8472$ | $\begin{array}{rr} 45437 \\ & \text { (D) } \end{array}$ | $\begin{array}{rr} 35262 \\ & (\mathrm{D}) \end{array}$ | $\begin{aligned} & 17551 \\ & \text { (D) } \end{aligned}$ | $\begin{array}{rr} 18087 \\ & \text { (D) } \end{array}$ | $\begin{aligned} & 10175 \\ & \text { (D) } \end{aligned}$ | 680 | $\begin{aligned} & 21 \\ & \text { (D) } \end{aligned}$ | (D) |
| 1531 | Operative builders ------------------- | *20 | 47 | 1136 | *15 200 | *10 391 | *2394 | *7997 | *4809 | (D) | 38 | 55 |
| 154 | General contractors, nonresidential buildings: |  |  |  |  |  |  |  |  |  |  |  |
| 1541 | Industrial buildings and warehouses | *13 | *87 | 1929 | *9 286 | *6 631 | *3 829 | *2 802 | 2655 | 54 | 53 | 47 |
| 1542 | Nonresidential buildings, n.-.-.-------- | (S) | 34 | 1141 | 6885 | 2271 | 1445 |  |  | (D) | 28 | 34 |
| 16 | Heavy construction other than building construction-contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1611 | Highway and street construction ----- | 2 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| $\begin{aligned} & 162 \\ & 1622 \end{aligned}$ | Heavy construction, except highway: <br> Bridge, tunnel, and elevated <br> highway construction |  |  |  | (D) | (D) | (D) | (D) | - | - |  | (D) |
| 1623 | Water, sewer, and utility lines-------- | *12 | (S) |  | (S) | (D) | (S) | (S) | (D) | (D) | (S) | (D) |
| 1629 | Heavy construction, n.e.c. ---------- | *16 | 98 | 2092 | 11821 | (D) | 5541 | 3904 | (D) | *759 | 32 | (D) |
| 17 | Special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and airconditioning | (S) | 540 | 14696 | 44988 | 41963 | 27053 | 14987 | 3026 | (S) | 12 | 11 |
| 1721 | Painting and paper hanging---------- | 21 | 97 | (S) | 2560 | 2354 | 2074 | 590 | *206 | (S) | 31 | 35 |
| 1731 | Electrical work ---------------------- | 76 | 255 | 7383 | 24665 | 24489 | 14432 | 10131 | 177 | (D) | 21 | 24 |
| 174 | Masonry, stone work, tile setting, and plastering: |  |  |  |  |  |  |  |  |  |  |  |
| 1741 | Masonry, stone setting, and other stone work | (S) | *39 | *588 | (D) | *1976 | *1204 | *777 | (D) | (D) | 59 | 46 |
| 1742 | Plastering, drywall, and insulation work | *12 | 30 | 623 | 2595 | (D) | 1353 | 1210 | (D) | (D) | 25 | (D) |
| 1743 | Terrazzo, tile, marble, and mosaic work $\qquad$ | 3 | (D) | (S) | *265 | *258 | *159 | *102 | *6 | (D) | (D) | 45 |
| 175 1751 1752 | Carpentry and floor work: <br> Carpentry - $\qquad$ | +53 | 113 | +1853 | + 7771 | +6528 | + 019 | +2511 | *1 243 | (S) | 29 | 26 |
| 1752 | Floor laying and other floor work --- | *26 | 55 | *1 174 | *4941 | *4631 | *2 259 | *2378 | 310 | (D) | 37 | 44 |
| 1761 | Roofing, siding, and sheet metal work $\qquad$ | *33 | 167 | 2665 | 12495 | 11792 | 7679 | *4 196 | 703 | (D) | 29 | 35 |
| 1771 | Concrete work ----------------------- | 47 | 191 | 3281 | 13733 | 13551 | 6591 | 7058 | *183 | *405 | 36 | 34 |
| 1781 | Water well drilling ------------------- | * 5 | *36 | *921 | *3 133 | *3 133 | *1992 | *1 141 | - | *62 | 65 | 57 |
| 179 | Miscellaneous special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |
| 1791 1793 | Structural steel erection <br> Glass and glazing work | *14 | *60 | $\begin{array}{ll} \text { *1 } 121 \\ & \text { (D) } \end{array}$ | $\text { *3 } 865$ |  | $\text { *2 } 412$ | *1333 | (D) | (S) | 53 | (D) |
| 1794 | Excavation work---------------------- | 42 | *145 | *2644 | * 8062 | *7605 | *5009 | *3508 | *458 | (D) | 42 | 44 |
| 1795 | Wrecking and demolition work -------- | 1 | (D) |  |  | (D) |  |  | - | (D) | (D) | (D) |
| $\begin{aligned} & 1796 \\ & 1799 \end{aligned}$ | Installing building equipment, n.e.c. Special trade contractors, n.e.c. | (S) ${ }^{1}$ | (D) |  | *13 (D) | *12 286 | * $*$ 427 | *5 334 | (D) $* 1167$ | $\stackrel{-}{5}$ | (D) | (D) |
|  | Worcester, MA-CT PMSA |  |  |  |  |  |  |  |  |  |  |  |
| 15,16, | Construction industries ---------- | 1112 | 8958 | 290127 | 959896 | 752864 | 472223 | 289233 | 207032 | 8326 | 3 | 3 |
|  | (See appropriate State for SIC detail.) |  |  |  |  |  |  |  |  |  |  |  |

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## Summary of Findings

This report provides results from the 1992 Census of Construction Industries for Rhode Island. The report includes data for construction establishments with payroll and shows limited data for establishments with no payroll (nonemployers). (Establishments with no payroll are, for the most part, companies owned and operated by a single person.)

Establishments covered in this report were primarily engaged in contract construction or construction on their own account for sale, as defined in the 1987 Standard Industrial Classification (SIC) Manual. ${ }^{1}$ The SIC Manual defines construction in three broad types: (1) building construction by general contractors or operative builders; (2) heavy construction (highways, power plants, etc.) done by general contractors and selected special trade contractors; and, (3) construction done by special trade contractors such as electricians, plumbers and painters.

During 1992, there were 8,767 establishments in this State operating in the construction industries. These establishments accounted for $\$ 2.0$ billion in total dollar value of business done.

Most of the 8,767 construction establishments were small. Of the total, 5,901 were nonemployers, and over half of the employer establishments had less than 5 employees. The 698 construction establishments with 5 employees or more, while representing only 8 percent of all establishments, accounted for more than 74 percent of the total dollar value of business done.

## ESTABLISHMENTS WITH PAYROLL

During 1992, the establishments with paid employees accounted for $\$ 1.85$ billion in total dollar value of business done. Of this amount, $\$ 1.81$ billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to $\$ 551$ million, leaving net value of construction work of $\$ 1.3$ billion. In addition, these establishments paid out $\$ 585$ million for the cost of materials, fuels, power, rental of equipment and buildings,

[^10]and the cost of selected purchased services. Value added for 1992 was $\$ 767$ million. (See Introduction and appendixes for explanation of terms.)

There were 2,866 establishments with total employment averaging 13,981 during the year. Total payroll for 1992 was $\$ 359$ million.

The data in this report covering establishments with payroll were obtained from a sample survey. 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. A separate census report was required from each sample establishment covering domestic operations. Separate reports were not required for each project or construction site.

For 1987 and earlier censuses, receipts from the sale of land were collected separately for general contractors and operative builders. These receipts were included in the total dollar value of business done, but excluded from the value of construction work done. For 1992, receipts from the sale of land were not collected separately, but are still excluded from the value of construction work done. All dollar values are shown in current dollars for the years specified and have not been adjusted for inflation.

Since the data in this report covering employer establishments are estimated from a sample survey, they are subject to sampling variability, as well as errors of response and nonreporting. The relative standard errors shown in the tables are measures of sampling variability. Descriptions of the sampling, estimating procedures, and data reliability are included in the Introduction.

## ESTABLISHMENTS WITHOUT PAYROLL

During 1992, there were 5,901 establishments with no payroll classified as construction. According to administrative records of the Federal Government, their dollar value of business done during 1992 was $\$ 196$ million. Most of these establishments, about 82 percent, were special trade contractors.

For the establishments without payroll, only information on total value of business done was available from administrative records. Statistics on establishments without payroll are shown in table 1 of this report.

Figure 1. Value of Construction Work by Type of Construction
(Percent)


Figure 2. Selected Costs per Dollar Value of Business Done
(Percent)


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1992 and 1987

| $\underset{\text { code }}{\text { SIC }}$ | Industry | All establishments |  |  |  | Establishments without payroll |  |  | Establishments with payroll |  |  |  | Relative standard error of estimate (percent) for column- |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Number | Proprietors and working partners | $\begin{array}{r} \text { All em- } \\ \text { ployees }^{* *} \end{array}$ | Dollar value of business done | Number | Proprietors and working partners | Dollar value of business done | Number | Proprietors and working partners | All employees** | Dollar value of business done |  |  |
|  |  | A | B | C | D | E | F | G | H | 1 | J | K | J | K |
|  | 1992 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries .--------- | 8767 | 6177 | 13981 | 2045908 | 5901 | 5510 | 195953 | 2866 | 667 | 13981 | 1849955 | (Z) | (Z) |
| 15 | Building construction-General contractors and operative builders | 1822 | 936 | 4060 | 997605 | 988 | 780 | 76508 | 834 | 156 | 4060 | 921097 | 3 | 2 |
| 16 | Heavy construction other than building construction-contractors $\qquad$ | 170 | 62 | 1705 | 234644 | 57 | 44 | 3230 | 113 | (S) | 1705 | 231414 | 3 | 5 |
| 17 | Special trade contractors | 6775 | 5179 | 8217 | 813659 | 4856 | 4686 | 116215 | 1919 | 493 | 8217 | 697444 | 2 | 2 |
| 1711 | Plumbing, heating, and air-conditioning -- | 710 | 412 | 1603 | 181993 | 382 | 346 | 13631 | 328 | 66 | 1603 | 168362 | 4 | 5 |
| 1731 | Electrical work--------------------------- | 695 | 421 | 1364 | 124743 | 365 | 337 | 8150 | 330 | 84 | 1364 | 116593 | 4 | 3 |
|  | 1987 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries ${ }^{2}$--------- | 9269 | 6403 | 20328 | 2693125 | 6094 | 5895 | 365595 | 3175 | 508 | 20328 | 2327530 | 2 | 2 |
| 15 | Building construction-General contractors and operative builders $\qquad$ | 2157 | 1179 | 6331 | 1290523 | 1216 | 1050 | 125482 | 941 | 129 | 6331 | 1165041 | 3 | 3 |
| 16 | Heavy construction other than building construction-contractors $\qquad$ | 174 | 46 | 1913 | 227004 | 48 | 44 | 2477 | 126 | 2 | 1913 | 224527 | 7 | 4 |
| 17 | Special trade contractors .------------- | 6695 | 4986 | 11854 | 1054018 | 4631 | 4610 | 140405 | 2064 | 376 | 11854 | 913613 | 2 | 3 |
| 1711 | Plumbing, heating, and air-conditioning -- | 654 | 405 | 1885 | 192737 | 345 | 341 | 15924 | 309 | 64 | 1885 | 176813 | 5 | 6 |
| 1731 | Electrical work--------------------------- | 605 | 392 | 1883 | 150402 | 318 | 310 | 9489 | 287 | 82 | 1883 | 140913 | 5 | 3 |

${ }_{2}^{1}$ For 1992, nonemployer records showing revenues greater than $\$ 1$ million were excluded. See Introduction text.
${ }^{2}$ Includes data for "Land Subdividers and Developers," SIC 6552.

Table 2. General Statistics for Establishments With Payroll by Industry: 1992 and 1987
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| $\underset{\text { code }}{\text { SIC }}$ | Industry | 1992 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Employees** |  |  | Payroll |  | Value of construction work | Net value of construction work $\dagger$ | Value added $\dagger \dagger$ |
|  |  | establishments | All | Construction workers | All employees | Construction workers |  |  |  |
|  |  | A | B | C | D | E | F | G | H |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries ${ }^{1}$-------------------------------- | 2866 | 13981 | 10587 | 359207 | 255114 | 1808866 | 1258332 | 766729 |
| 15 | Building construction-General contractors and operative builders: |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 152 \\ & 1521 \end{aligned}$ | General contractors, residential buildings: <br> Single-family houses | 545 | 1380 | 1024 | 25384 | 17000 | 131643 | 97821 | 53838 |
| 1522 | Other residential buildings ------------1-1 | 49 | 135 | 100 | 2654 | 1711 | 18650 | 10964 | 7931 |
| 1531 | Operative builders | 78 | 182 | 118 | 4082 | 2649 | 39879 | 27335 | 12769 |
| $\begin{aligned} & 154 \\ & 1541 \\ & 1542 \end{aligned}$ | General contractors, nonresidential buildings: Industrial buildings and warehouses $\qquad$ Nonresidential buildings, n.e.c. | 27 135 | 397 1967 | 290 1330 | 15760 51098 | 10896 29382 | 461519 | 70119 243186 | 22762 153531 |
| 16 | Heavy construction other than building constructioncontractors: |  |  |  |  |  |  |  |  |
| 1611 | Highway and street construction | 29 | 826 | 644 | 27075 | 20213 | 104286 | 86445 | 58181 |
| 162 1622 | Heavy construction, except highway: <br> Bridge, tunnel, and elevated highway construction | 4 | 137 | 106 | (D) | 4371 | 24169 | 18043 | (D) |
| 1623 | Water, sewer, and utility lines-------------------------------- | 24 | 426 | 340 | 12786 | 10241 | 52138 | 45177 | 31849 |
| 1629 | Heavy construction, n.e.c.---------------------------------------- | 56 | 316 | 238 | 8121 | 6155 | (D) | 30325 | (D) |
| 17 | Special trade contractors: |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and air-conditioning --------------------- | 328 | 1603 | 1151 | 46309 | 33235 | 167687 | 149698 | 87159 |
| 1721 | Painting and paper hanging ----------------------------------- | 186 | 546 | 449 | 9342 | 7173 | 26041 | 23583 | 18162 |
| 1731 | Electrical work ----------------------------------------------- | 330 | 1364 | 997 | 38153 | 26768 | 114924 | 112062 | 63961 |
| $\begin{aligned} & 174 \\ & 1741 \end{aligned}$ | Masonry, stonework, tile setting, and plastering: <br> Masonry, stone setting, and other stonework. | 102 | (D) | (S) | (S) | (S) | (D) | (D) | (S) |
| 1742 | Plastering, drywall, and insulation work --------------------- | 104 | 609 | 513 | 14971 | 11896 | 43086 | 40424 | 28090 |
| 1743 | Terrazzo, tile, marble, and mosaic work-------------------- | 40 | 87 | 72 | 1494 | 1249 | 6626 | 6341 | 3552 |
| 175 1751 | Carpentry and floor work: |  |  |  |  |  |  |  |  |
| 1752 | Carpentry - ----------------------------------------------------------- Floor laying | 255 43 | 118 | 550 96 | 12041 2940 | 10320 2508 | 47435 13859 | 41709 13002 | 24171 7922 |
| 1761 | Roofing, siding, and sheet metal work ---------------------- | 113 | 703 | 537 | 14501 | 10268 | 48614 | 46422 | 29436 |
| 1771 | Concrete work ------------------------------------------------ | 106 | 434 | 346 | 9590 | 7529 | 31613 | 27421 | 15911 |
| 1781 | Water well drilling -------------------------------------------- | 14 | 50 | 33 | 1228 | 886 | 5205 | 5180 | 3538 |
| 179 1791 | Miscellaneous special trade contractors: <br> Structural steel erection. | 15 | 212 | 164 | 9811 | 7548 | 29926 | (D) | 18939 |
| 1793 | Glass and glazing work --------------------------------------------------------- | 23 | 135 | 95 | 5693 | 2711 | 29904 | (D) | (D) |
| 1794 |  | 99 | 310 | 236 | 6285 | 4728 | 23662 | 22079 | 16201 |
| 1795 | Wrecking and demolition work ----------------------------------------------- | 12 | (D) | 98 | (D) | 1769 | (D) | (D) | 4329 |
| 1796 | Installing building equipment, n.e.c.--------------------------- | 14 | 120 | 87 | 4075 | 2730 | 9085 | 9005 | 7834 |
| 1799 | Special trade contractors, n.e.c. --------------------------- | 135 | 555 | 436 | 12746 | 9151 | 46248 | 43588 | 27110 |

${ }^{1}$ For 1987, includes data for "Land Subdividers and Developers," SIC 6552. For 1992, SIC 6552 data are included in the Census of Financial, Insurance, and Real Estate Industries.

\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{6}{|c|}{1992-Con.} \& \multicolumn{3}{|c|}{1987} \& \multicolumn{3}{|l|}{\multirow[b]{2}{*}{Relative standard error of estimate (percent) for column-}} \& \multirow{3}{*}{$$
\begin{gathered}
\text { SIC } \\
\text { code }
\end{gathered}
$$} <br>
\hline Cost of materials, components, supplies, and fuels \& Cost of construction work subcontracted out to others \& Value of contruction work subcontracted in from others \& Rental cost of machinery, equipment, and buildings \& Capital expenditures, other than land \& End-of-year gross book value of depreciable assets \& $$
\underset{\text { employees** }}{\text { All }}
$$ \& $$
\begin{array}{r}
\text { Value } \\
\text { of } \\
\text { construction } \\
\text { work }
\end{array}
$$ \& Value added $\dagger \dagger$ \& \& \& \& <br>
\hline 1 \& J \& K \& L \& M \& N \& $\bigcirc$ \& P \& Q \& B \& G \& M \& <br>
\hline 532692 \& 550534 \& 421959 \& 26508 \& 20166 \& 231347 \& 20328 \& 2271298 \& 952879 \& (Z) \& 2 \& 12 \& $$
\begin{aligned}
& 15,16, \\
& 17 \\
& 15
\end{aligned}
$$ <br>
\hline 44831
4144 \& 33823
$* 7686$ \& 8690
2611 \& *(S) \& *(S) \& $2 \begin{array}{r}\text { (S) } \\ 237\end{array}$ \& 2249
352 \& 183421
84692 \& $$
\begin{aligned}
& 69702 \\
& 18048
\end{aligned}
$$ \& 7
30 \& 9
26 \& (S) \& $$
\begin{aligned}
& 152 \\
& 1521 \\
& 1522
\end{aligned}
$$ <br>
\hline 15579 \& 12545 \& *173 \& 81 \& 103 \& 3612 \& 860 \& 153474 \& 34451 \& 17 \& 16 \& 34 \& 1531 <br>
\hline 97470 \& 218 (D) \& 16827
17270 \& 2347
2629 \& 1271 \& 7995
9994 \& 950
1920 \& 269141
448428 \& 41493
96451 \& 5
3 \& 1
4 \& (D) \& $$
\begin{aligned}
& 154 \\
& 1541 \\
& 1542
\end{aligned}
$$ <br>
\hline \& \& \& \& \& \& \& \& \& \& \& \& 16 <br>
\hline (D) \& 17840 \& 13746 \& 4905 \& 3506 \& 68874 \& 764 \& 102715 \& 66265 \& 6 \& 3 \& 11 \& 1611 <br>
\hline $$
\begin{array}{ll} 
& \text { (D) } \\
13 & 424 \\
& \text { (D) }
\end{array}
$$ \& 6126
6961

(D) \& $$
\begin{array}{r}
4809 \\
7290 \\
7 \\
\text { (D) }
\end{array}
$$ \& \[

$$
\begin{aligned}
& 1143 \\
& 1197 \\
& 2971
\end{aligned}
$$

\] \& \[

$$
\begin{array}{r}
652 \\
939 \\
\times 2897
\end{array}
$$
\] \& 4307

13450
$* 9582$ \& 87
686

376 \& $$
\begin{aligned}
& 16094 \\
& 62913 \\
& 39435
\end{aligned}
$$ \& \[

$$
\begin{array}{r}
7264 \\
36510 \\
22710
\end{array}
$$
\] \& (Z)

6
10 \& (Z)
23
10 \& (Z)
32
74 \& 162
1622
1623
1629 <br>
\hline \& \& \& \& \& \& \& \& \& \& \& \& 17 <br>
\hline 63214 \& 17989 \& 66037 \& 1917 \& (S) \& 12731 \& 1885 \& 172903 \& 83344 \& 4 \& 5 \& (S) \& 1711 <br>
\hline 5430 \& 2459 \& 10406 \& 303 \& *437 \& 3198 \& 877 \& 38086 \& 29191 \& 9 \& 7 \& 44 \& 1721 <br>
\hline 49769 \& 2862 \& 49926 \& 927 \& 1727 \& 12359 \& 1883 \& 138815 \& 87134 \& 4 \& 3 \& 35 \& 1731 <br>
\hline (D)
12346
2891 \& (S)
2662
(S) \& (S)
34169
2645 \& (S)
290
32 \& 324
325
15 \& 3775
3654
615 \& 1068
1196

106 \& 79431
90488
8102 \& 52490
59429
4789 \& (D)
11
19 \& (D)
7
17 \& 33
7
(Z) \& 174
1741
1742
1743 <br>
\hline 18328
5199 \& $\begin{array}{r}5726 \\ 857 \\ \hline\end{array}$ \& 20613
7038 \& 566
134 \& 700
$* 63$ \& 5922
513 \& $\begin{array}{r}1093 \\ 140 \\ \\ \hline\end{array}$ \& 81351
16202 \& 44877
9064 \& 12
4 \& 9 \& 17

58 \& $$
\begin{aligned}
& 175 \\
& 1751 \\
& 1752
\end{aligned}
$$ <br>

\hline 16985 \& 2192 \& 24342 \& 678 \& 500 \& 8559 \& 947 \& 58734 \& 32773 \& 9 \& 8 \& 37 \& 1761 <br>
\hline (D) \& 4191 \& 15231 \& 1131 \& 1083 \& 13156 \& 716 \& 49511 \& 34543 \& 7 \& 6 \& 5 \& 1771 <br>
\hline 1642 \& 25 \& 1375 \& 17 \& 185 \& 3651 \& 76 \& 7709 \& 5074 \& 4 \& 6 \& 12 \& 1781 <br>
\hline \& (D) \& \& (D) \& (D) \& \& 162 \& 19833 \& 18505 \& 9 \& (D) \& (D) \& 179
1791 <br>
\hline 11519 \& \& 24834 \& 280 \& 108 \& 2104 \& 207 \& 14657 \& 8136 \& 9 \& (D) \& 36 \& 1793 <br>
\hline 6642 \& 1583 \& 9747 \& 642 \& *1 096 \& 17976 \& 470 \& 40253 \& 31671 \& 8 \& 10 \& 45 \& 1794 <br>
\hline \& 309 \& \& (D) \& 133 \& 2007 \& 87 \& 8546 \& 7560 \& (D) \& (D) \& 9 \& 1795 <br>
\hline 1208 \& \& 1432 \& 63 \& 40 \& 721 \& 114 \& 13140 \& 8748 \& 2 \& 1 \& (Z) \& 1796 <br>
\hline 16981 \& 2660 \& 16055 \& 685 \& 391 \& 6075 \& 827 \& 57342 \& 33461 \& 14 \& 13 \& 24 \& 1799 <br>
\hline
\end{tabular}

Table 3. Detailed Statistics for Establishments With Payroll: 1992 and Earlier Census Years
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Item | 1992 | 1987 | 1982 | 1977 | Relative standard error of estimate (percent) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 1992 | 1987 | 1982 | 1977 |
| Number of establishments in business during year _ | 2866 | 3175 | 2315 | 2463 | 1 | 1 | 4 | 5 |
| Proprietors and working partners_ | 667 | 508 | 506 | 865 | 6 | 11 | 9 | 11 |
|  | 13981 | 20328 | 14686 | 14587 | (Z) | 2 | 2 | 2 |
| Construction workers: |  |  |  |  |  |  |  |  |
| March. | 9007 | 13578 | 9475 | 9227 | 2 | 2 | 3 |  |
| May | 10697 | 15855 | 11681 | 13415 | 2 | 2 | 3 | 3 |
| August | 11926 | 17631 | 11848 | 13491 | 2 | 2 | 3 | 3 |
| November | 10717 10587 | 16225 15822 | 11532 11366 | 12443 12154 | 2 1 | 2 | 3 2 | 3 |
| Other employees: |  |  |  |  |  |  |  |  |
| March------ | 3417 | 4329 | 3263 | 2334 | 2 | 3 | 3 | 4 |
| May --- | 3388 | 4467 | (NA) | (NA) | 2 | 3 | (NA) | (NA) |
| August --- | 3339 3 3 | 4537 | (NA) | (NA) | 2 | 3 3 3 | (NA) | (NA) |
| November Average | 3 3 3 | 4688 4505 | (NA) | (NA) | 2 | 3 3 | (NA) (NA) | (NA) (NA) |
| Payroll, all employees | 359207 | 469283 | 247027 | 170715 | 1 | 1 |  |  |
| Payroll, construction workers Payroll, other employees | 255114 104093 | 336540 132743 | 176814 70 213 | 130162 40553 | 1 | 1 2 | 2 | 2 |
|  |  |  |  |  |  |  |  |  |
|  | 75811 | 95226 | 51658 | 31266 | 2 | 2 | 2 | 2 |
| Fringe benefits, all employees . | 102195 | 112206 | 49740 | 35456 |  |  |  |  |
| Legally required expenditures. | 66439 | 75272 | 35404 | 19540 | 2 | 2 | 2 | 2 |
| Voluntary expenditures------ | 35756 | 36934 | 14336 | 15916 |  | 2 | 2 | 1 |
| Dollar value of business done | 1849955 | 2327530 | 1309141 | 749175 | (Z) | 2 | 1 |  |
| Value of construction work ---- | 1808866 | 2271298 | 1289115 | 731923 |  | 2 | 1 | 2 |
| Value of construction work subcontracted in from others | 421959 | 453958 | 235353 | 149059 | 3 | 5 | 3 | 3 |
| Other business receipts | 41089 | 28202 | (D) | 17252 | 4 | 4 | (D) | 3 |
|  | 1258332 | 1557753 | 733482 | 516015 | 2 | 2 | 2 | 2 |
| Value addedtt---- | 766729 | 952879 | 471711 | 322994 | 2 | 2 | 2 | 2 |
| Selected costs ------ | 1083226 | 1346621 | 832246 | 422440 | 2 | 2 | 1 |  |
| Materials, components, and supplies | 504458 | 603065 | 258289 | 194141 | 2 | 3 | 2 | 2 |
| Construction work subcontracted out to others | 550534 | 713545 | 555633 | 215908 | 2 | 2 | 1 | 2 |
|  | 28233 | 30010 | 18324 | 12392 | 2 | 3 | 4 | 3 |
| Electricity--- | 4915 | 3952 | 2442 | 2059 | 4 | 8 | 4 | 4 |
| Natural gas .----- | 2216 |  | 1109 | 858 | 2 | 11 | 4 | 6 |
| Gasoline and diesel fuel | 19194 | 22895 | 13522 | 7834 | 3 | 2 | 4 | 3 |
| On highway use.-. | 14836 | 18926 | (NA) | (NA) | 3 | 3 | (NA) | (NA) |
| Off highway use------ | 4357 | 3969 | (NA) | (NA) | 6 | 6 | (NA) | (NA) |
| Other, including lubricating oils and greases. | 1909 | 1912 | 1249 | 1640 | 6 | 8 | 11 | 9 |
| Rental cost for machinery, equipment, and buildings . | 26508 | 26281 | 16758 | 9202 | 2 | 4 | 3 | 3 |
| For machinery and equipment | 16843 | 17951 | 14174 | 7716 | 3 | 5 | 4 | 3 |
| For buildings ---------------- | 9664 | 8329 | 2583 | 1486 | 4 | 4 | 5 | 6 |
|  | 25738 | 26030 | 13224 | 10993 | 3 | 3 | 3 | 3 |
| Communication services | 10228 | 8764 | 5142 | 3713 | 4 | 4 | 4 | 4 |
| Repairs to buildings and other structures | 1160 | 1679 | 665 | 761 | 7 | 9 | 10 | 12 |
| Repairs to machinery and equipment .------- | 14351 | 15586 | 7416 | 6519 | 3 | 4 | 6 | 4 |
| Ownership of construction projects: |  |  |  |  |  |  |  |  |
|  | 1808866 | 2271298 | 1289115 | 731923 |  |  | 1 |  |
|  | 392806 | 337059 | 214718 | 205114 | 3 | 5 | 5 | 2 |
| Federal ------ | 60117 332689 | 81835 | (NA) | (NA) | ${ }^{6}$ | 9 | (NA) | (NA) |
| State and local - | 332689 | 255224 1934239 | (NA) $1074{ }^{(196}$ | (NA) | 3 | 5 |  |  |
|  | 1416060 | 1934239 | 1074396 | 526809 | 2 | 2 | 2 | 2 |

Note: Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of Financial, Insurance, and Real Estate Industries.

Table 4. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1992 and 1987

| Item | 1992 | 1987 | Relative standard error of estimate (percent) |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1992 | 1987 |
| BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT |  |  |  |  |
|  | 221991 | 185309 | 3 | 4 |
|  | 20166 | 42928 |  | 8 |
|  | 15596 4570 | 36178 6750 | 15 14 | ${ }_{11}^{9}$ |
|  | 10809 | 7350 | 7 | 11 |
|  | 231347 | 220888 | 3 | 4 |
| Depreciation charges during year_ | 24598 | 30375 | 4 | 6 |
| Buildings and Other Structures, Additions, and Related Facilities |  |  |  |  |
|  | 31674 | 42279 | 6 | 9 |
|  | +4334 | 5215 | 39 | 28 |
| New buildings and other structures $\qquad$ <br> Used buildings and other structures | *3 5758 | 4126 1088 | 47 31 | 35 17 |
|  | (S) | *941 | (S) | 45 |
|  | 35573 | 46552 | 7 | 8 |
|  | 3085 | 5560 | 7 | 9 |
| Machinery and Equipment |  |  |  |  |
|  | 190317 | 143030 37 713 | 3 | 4 |
|  |  |  | 8 | 9 |
|  | 4943 | 18429 | 15 | 10 |
|  | 3815 | 5661 | 15 | 12 |
|  | 10375 | 6408 | 7 | 11 |
|  | 195773 | 174335 | 3 | 5 |
|  | 21513 | 24814 | 4 | 7 |

Note: Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of Financial, Insurance, and Real Estate Industries.

Table 5. Value of Inventories for Establishments With Payroll: 1992 and 1991
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Item | Establishments with payroll | Relative standard error of estimate (percent) |
| :---: | :---: | :---: |
| All establishments: |  |  |
| Number ------- | ${ }^{2} 866$ | 1 |
| Value of construction work | 1808866 | 1 |
| Establishments with inventories: |  |  |
| Number | 758 | 4 |
| Value of construction work | 512055 | 3 |
| Inventories ${ }^{\text {1 }}$ : ${ }^{\text {and of }} 1992$, materials and supplies |  |  |
| End of 1991, materials and supplies | 19156 | 7 |
| Establishments with no inventories: |  |  |
| Number --- | 1005 | 4 |
| Value of construction work | 481840 | 5 |
| Establishments not reporting: |  |  |
| Number ----------------- | 1102 | 4 |
| Value of construction work | 814971 | 2 |

${ }^{1}$ Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 6. Selected Statistics for Establishments With Payroll by Employment Size Class:
1992 and 1987
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Selected statistics | Total | Establishments with an average of - |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{array}{r} 1 \text { to } 4 \\ \text { employees } \end{array}$ | $\begin{array}{r} 5 \text { to } 9 \\ \text { employees } \end{array}$ | $\begin{array}{r} 10 \text { to } 19 \\ \text { employees } \end{array}$ | $\begin{array}{r} 20 \text { to } 49 \\ \text { employees } \end{array}$ | $\begin{array}{r} 50 \text { to } 99 \\ \text { employees } \end{array}$ | 100 to 249 employees | 250 to 499 employees | 500 to 999 employees | $\begin{array}{r} 1,000 \\ \text { employees } \\ \text { or more } \end{array}$ |
| 1992 |  |  |  |  |  |  |  |  |  |  |
| Number of establishments | 2866 | 2168 | 437 | 167 | 66 | 19 | 6 | (S) | - | 1 |
| All employees** | 13981 | 3688 | 2770 | 2200 | 1769 | 1322 | 2232 | (D) | - | (D) |
| Payroll, all employees | 359207 | 66630 | 65355 | 62159 | 51961 | 54966 | 58136 | (D) | - | (D) |
| Dollar value of business done | 1849955 | 344016 | 281582 | 274679 | 190718 | 251118 | 507842 | (D) | - | (D) |
| Value of construction work.- | 1808866 | 340497 | 278412 | 270049 | 185872 | 248709 | 485328 | (D) | - | (D) |
| Net value of construction workt----------------------------------- | 1258332 | 283889 | 206862 | 213839 | 137908 | 415833 | (D) | (D) | - | (D) |
|  | 766729 | 164631 | 125422 | 135147 |  |  |  |  | - |  |
| Cost of materials, components, supplies, and fuels ----- | 532692 | 122777 | 84610 | 83323 | 52563 | $\frac{189418}{318204}$ | (D) | ( ${ }^{\text {d }}$ | - | (D) |
| Cost of construction work subcontracted out to others -- | 550534 | 56 3 3 57 | 71550 | 56210 3994 | 47963 | $\begin{array}{r}318204 \\ \hline 6601\end{array}$ | ( ${ }^{\text {D }} 1$ | (D) | - | (D) |
| Rental cost for machinery, equipment, and buildings ---- | 26508 | 3577 | 2781 | 3994 | 3043 | 6601 | 6511 | (D) | - | (D) |
| Capital expenditures, other than land ------------------ | 20166 231347 | 7419 54686 | 3038 30178 | 4078 50321 | 19332 27977 | 2283 34611 | $\begin{array}{r}2016 \\ 33574 \\ \hline\end{array}$ | (D) | - | (D) |
| 1987 |  |  |  |  |  |  |  |  |  |  |
| All employees** | 20328 | 4253 | 4114 | 4045 | 3677 | 1774 | 1163 | 1300 | - | - |
| Value addedt† ------------------------------------------------------- | - 952879 | 171171 | 162535 | 172865 | 189203 | 239183 99211 | $\begin{array}{r}62245 \\ \hline 85\end{array}$ | 72648 | - | - |
| 1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT) |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | - |  |
| Net value of construction work $\dagger$ Capital expenditures, other than land $\qquad$ | 12 | 5 27 | 1388888 | -7 | 4 7 | (Z) | (D) | (D) | - | (D) |

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies. Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of Financial, Insurance, and Real Estate Industries.

Table 7. Selected Statistics by Size Class of Dollar Value of Business Done for Establishments With Payroll: 1992 and 1987
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Selected statistics | Total | Establishments with dollar value of business done- |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{array}{r} \text { Less than } \\ \$ 25,000 \end{array}$ | $\begin{array}{r} \$ 25,000 \\ \text { to } \\ \$ 49,999 \end{array}$ | $\begin{array}{r} \$ 50,000 \\ \text { to } \\ \$ 99,999 \end{array}$ | $\begin{aligned} & \$ 100,000 \\ & \text { to } \\ & \$ 249,999 \end{aligned}$ | $\begin{aligned} & \$ 250,000 \\ & \text { to } \\ & \$ 499,999 \end{aligned}$ | $\begin{aligned} & \$ 500,000 \\ & \text { to } \\ & \$ 9999,999 \end{aligned}$ | $\begin{aligned} & \$ 1,000,000 \\ & \text { to } \\ & \$ 2,499,999 \end{aligned}$ | $\begin{aligned} & \$ 2,500,000 \\ & \text { to } \\ & \$ 4,999,999 \end{aligned}$ | $\begin{aligned} & \$ 5,000,000 \\ & \text { to } \\ & \$ 9,999,999 \end{aligned}$ | $\begin{gathered} \$ 10,000,000 \\ \text { or more } \end{gathered}$ |
| 1992 |  |  |  |  |  |  |  |  |  |  |  |
| Number of establishments | 2866 | (S) | (S) | 546 | 817 | 436 | 250 | 174 | 46 | 25 | 20 |
| All employees** ----- | 13981 | (S) | (S) | 873 | 1828 | 1972 | 1725 | 2282 | 1012 | 920 | 2845 |
| Payroll, all employees | 359207 | (S) | (S) | 11767 | 32294 | 40376 | 41624 | 66504 | 32843 | 36477 | 92629 |
| Dollar value of business done | 1849955 | (S) |  | 40004 | 127836 | 151419 | 177916 | 260605 | 156754 | 181964 | 739015 |
| Value of construction work | 1808866 | (S) | (S) | 39728 | 126827 | 150056 | 173332 | 258262 | 154474 | 178810 | 712983 |
| Net value of construction work† ----------------- | 1258332 | (S) | (S) | 36157 | 114731 | 134993 | 144763 | 213653 | 104905 | 129907 | 365863 |
|  | 766729 | (S) | (S) | 22940 | 70663 | 78064 | 88987 | 130949 | 63057 | 84504 | 219065 |
| Cost of materials, components, supplies, and fuels | 532692 | (S) | (S) | 13493 | 45077 | 58292 | 60361 | 85047 | 44129 | 48558 | 172830 |
| Cost of construction work subcontracted out to others | 550534 | (S) | (S) | 3571 | 12096 | 15063 | 28569 | 44610 | 49569 | 48903 | 347120 |
| Rental cost for machinery, equipment, and buildings |  | (S) | (S) | (S) |  |  |  |  |  |  |  |
| Capital expenditures, other than land-------- | 20166 | (S) | (S) | (S) | 1740 | *4364 | 2908 | 2417 | 2172 | 1494 | 3393 |
| End-of-year gross book value of depreciable assets | 231347 | (S) | (S) | (S) | 20165 | 29162 | 33570 | 32506 | 25368 | 15558 | 60829 |
| 1987 |  |  |  |  |  |  |  |  |  |  |  |
| All employees** | 20328 | (S) | (S) | (S) | (S) | 2983 | 2540 |  | 2228 | 1072 |  |
| Value addedtt------------------------------------------ | - 952879 | (S) | (S) | (S) | (S) | 108291 | 105571 | 400 980 | 133 308 | 142495 70000 | 826334 221697 |
| 1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT) |  |  |  |  |  |  |  |  |  |  |  |
| All employees** |  | (S) |  |  |  |  |  |  | 4 |  |  |
| Net value of construction work $\dagger$--------------------- |  | (S) | (S) | 8 | 6 | 8 | 9 | 7 | 6 | 9 | (Z) |
| Capital expenditures, other than land ------------ | 12 | (S) | (S) | (S) | 17 | 44 | 19 | 24 | 3 | 20 | (Z) |

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies. Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of Financial, Insurance, and Real Estate Industries.

# Table 8. Value of Construction Work for Establishments With Payroll by Type of Construction: 1992 and 1987 

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 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 |
| 1992 |  |  |  |  |  |  |  |  |
| Value of construction work ------------------------------------------ | 1808866 | 982530 | 529546 | 227337 | 1 | 2 | 2 | 5 |
|  | 1460564 352366 | 812587 197794 | 466346 95214 | 181631 59357 59 | 2 4 | 2 6 | 3 6 | 6 |
| Single-family houses, detached | -326 644 | 185043 | -87564 | 59357 54036 | 4 | 6 | 6 6 | 8 |
| Single-family houses, attached, including townhouses and townhouse-type condominiums $\qquad$ | 25722 | 12751 | 7650 | (S) | 8 | 10 | 13 | (S) |
| Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives | 46792 | 13677 | 16338 | 16777 | 12 | 9 | 12 | 25 |
| Other residential buildings, including hotels, motels, and tourist cabins----------------- | 20211 | 12372 | 5748 | 2091 | 9 | 13 | 11 | 13 |
|  | 209098 | 110932 | 81707 | 16459 |  | 4 | 5 | 10 |
| Other commercial buildings such as stores, restaurants, and automobile service stations | 188100 | 94680 | 67834 | 25586 | 7 | 9 | 8 | 14 |
|  | 303239 | 199429 | 71845 | 31965 | 3 | 2 | 8 | 7 |
|  | 275114 | 179678 | 66124 | 29311 | 3 | ${ }^{2}$ | 8 | 8 |
|  | 28125 20502 | 19751 | (S) 10204 | 2654 | 6 9 | (D) ${ }^{3}$ | (S) 13 | ${ }^{8}$ |
| Educational buildings --- | 132053 | 61249 | 57473 | 13331 | 1 | 6 | 8 | 25 |
| Hospitals and institutional buildings | 124384 | 64821 | 51977 + | 7585 | 1 | 1 | 2 | 7 |
| Amusement, social, and recreational buildings, indoors ---------------------- | 47508 16311 | (D) | *3 958 | (D) | , | (D) | 41 | (D) |
| Other nonresidential buildings ------------------------------------------------ | 16311 | 9758 | (S) | 2505 | 10 | 7 | (S) | 37 |
| Nonbuilding construction-----------------------------------------1-1-1- | 278849 | 169943 | 63200 | 45706 | 5 | 6 | 5 | 7 |
| Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc. $\qquad$ | 106677 | 58467 | 35344 | 12866 | 2 | 3 | (Z) | 5 |
|  | 14386 | 5778 | 4142 | 4467 | 8 | 11 | 9 | 10 |
| Bridges, tunnels, and elevated highways ------------------------------------- | 36994 37 581 | 29689 | 5057 | 2249 | 2 | 3 | 2 | 10 |
|  | 37581 26866 | 30412 22 439 | 3646 2347 | 3523 <br> 2080 <br> 1 | 23 16 | 24 16 | 26 <br> 24 | 21 14 |
|  | *10 715 | *7974 | (S) | *1443 | 41 | 46 | (S) | 43 |
|  | 12809 | 5632 | *5 131 | 2046 | 18 | 3 | 46 | 4 |
| Other nonbuilding construction ------------- | 70401 | 39965 | 9881 | 20555 | 11 | 11 | 12 | 15 |
| Construction work, n.s.k.-- | 69453 | (NA) | (NA) | (NA) | 9 | (NA) | (NA) | (NA) |
| 1987 |  |  |  |  |  |  |  |  |
|  | 2271298 | 1410719 | 541660 | 186349 | 2 | 2 | 2 | 3 |
|  | 1851836 | 1243721 | 463262 | 138797 | 2 | 3 | 3 | 4 |
|  | 490427 | 359680 | 88204 | 42542 | 7 | 9 | 7 | 8 |
|  | 400689 | 283912 | 80609 | 36167 | 7 | 9 | 8 |  |
| Single-family houses, attached, including townhouses and townhouse-type condominiums | 89738 | 75768 | 7594 | 6375 | 14 | 17 | 15 | 24 |
| Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives | 133022 | 100070 | 23167 | 9784 | 8 | 10 | 13 | 12 |
| Other residential buildings, including hotels, motels, and tourist cabins------- | 102889 | 61524 | 35166 | 6198 | 6 | 7 | 14 | 10 |
|  | 339495 | 215533 | 108124 | 15838 | 3 | 3 | 6 | 7 |
| Other commercial buildings such as stores, restaurants, and automobile service stations | 188153 | 127255 | 43703 | 17193 | 5 | 5 | 9 | 12 |
| Industrial buildings and warehouses | 342621 | 253600 | 61603 | 27417 | 3 | 3 | 5 | 12 |
| Industrial buildings ----- | 262305 | 183358 | 53830 | 25116 | 4 | 4 | 5 | 13 |
| Warehouses---- | 80315 | 70241 | 7773 | 2300 | 3 | 3 | 6 | 12 |
| Religious buildings - | 22720 | 8955 | 7975 | 5789 | 21 | 33 | 36 | 14 |
| Educational buildings | 81690 | 40307 | 33056 | 8326 | 3 | 2 | 5 | 12 |
|  | 116887 33932 | 59530 20577 | 52335 9929 | 5021 3435 | 1 | 1 | 2 | 17 |
| Other nonresidential buildings -------------------------------------------------- | 33932 | 20577 | 9929 | 3435 | 6 | 5 | 23 | 17 |
| Nonbuilding construction. | 286892 | 163688 | 78397 | 44806 | 3 | 4 | 5 | 6 |
| Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc. $\qquad$ | 99201 | 44627 | 36705 | 17869 | 5 | 8 | 8 | 3 |
|  | 65506 | 35987 | 22229 | 7289 | 5 | 7 | 2 | 6 |
| Sewers, sewer lines, septic systems, and related facilities --------------- | 39331 | 19739 | 15295 | 4295 | 3 | 3 | 2 | 7 |
| Water mains and related facilities------------------------------------------ | 26175 122185 | 16248 83074 | 6933 19463 | 2993 19648 | (NA) | 14 (NA) | (NA) | (NA) |
|  |  |  | 19463 |  | (NA) | (NA) | (NA) | (NA) |
|  | 132570 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |

Note: Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of Financial, Insurance, and Real Estate Industries,

# Table 9. Quarterly Construction Worker Employment for Establishments With Payroll by Industry: 1992 

| SIC code | Industry | Number of establishments | Average number of construction workers | Construction workers ${ }^{1}$ |  |  |  | Relative standard error of estimate (percent) for column- |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | January <br> to March | $\begin{aligned} & \text { April } \\ & \text { to June } \end{aligned}$ | July <br> to September | October to December |  |  |  |  |  |  |
|  |  | A | B | C | D | E | F | A | B | c | D | E | F |
| $\begin{gathered} \text { 15, } 16, \\ 17 \end{gathered}$ | Construction industries .------ | 2866 | 10587 | 9007 | 10697 | 11926 | 10717 | 1 | 1 | 2 | 2 | 2 | 2 |
| 15 | contractors and operative builders: <br> General contractors, residential buildings: <br> Single-family houses $\qquad$ Other residential buildings |  |  |  |  |  |  |  |  |  |  |  |  |
| 152 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 1521 \\ & 1522 \end{aligned}$ |  | 545 49 | 1024 100 | 940 83 | 1039 108 | 1108 109 | 1009 98 | 5 27 | 7 31 | 8 36 | 8 29 | r 30 | 7 30 |
| 1531 | Operative builders ------------------ | 78 | 118 | 120 | 122 | 115 | 113 | 16 | 19 | 18 | 17 | 16 | 18 |
| 154 | General contractors, nonresidential buildings: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1541 | Industrial buildings and warehouses | 27 | 290 | 258 | 274 | 321 | 306 | 34 | 6 | 6 | 5 | 6 | 6 |
| 1542 | Nonresidential buildings, n.---.-.------- | 135 | 1330 | 1307 | 1322 | 1445 | 1246 | 12 | 6 | 4 | 3 | 3 | 4 |
| 16 | Heavy construction other than building construction-contractors: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1611 | Highway and street construction----- | 29 | 644 | 299 | 714 | 788 | 775 | 12 | 6 | 7 | 6 | 6 | 6 |
| $\begin{aligned} & 162 \\ & 1622 \end{aligned}$ | Heavy construction, except highway: Bridge, tunnel, and elevated |  |  |  |  |  |  |  |  |  |  |  |  |
| 1623 | highway construction ---.-------- | $\begin{array}{r}4 \\ 24 \\ \hline\end{array}$ | 106 340 | (D) | 115 <br> 351 | 92 394 | (D) | (Z) 14 | (Z) | (D) | (Z) | (Z) | (D) |
| 1629 | Heavy construction, n.e.c. -------- | 56 | 238 | (D) | 252 | (D) | 251 | 20 | 10 | (D) | 9 | (D) | 9 |
| 17 | Special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and airconditioning | 328 | 1151 | 1024 | 1115 | 1270 | 1193 | 4 | 4 | 5 | 5 | 4 | 5 |
| 1721 | Painting and paper hanging --------- | 186 | 449 | 267 | 466 | 575 | 486 | 2 | 10 | 12 | 9 | 11 | 13 |
| 1731 | Electrical work----------------------- | 330 | 997 | 996 | 906 | 1126 | 959 | 3 | 5 | 4 | 4 | 7 | 4 |
| 174 | Masonry, stonework, tile setting, and plastering: <br> Masonry, stone setting, and other stonework <br> Plastering, drywall, and insulation work <br> Terrazzo, tile, marble, and mosaic work |  |  |  |  |  |  |  |  |  |  |  |  |
| 1741 |  | 102 | (S) | (S) | (S) | (S) | (S) | 8 | (S) | (S) | (S) | (S) | (S) |
| 1742 |  | 104 | 513 | 520 | 504 | 511 | 515 | 17 | 12 | 12 | 11 | 12 | 12 |
| 1743 |  | 40 | 72 | 65 | 77 | 73 | 71 | 26 | 23 | 16 | 30 | 32 | 23 |
| $\begin{aligned} & 175 \\ & 1751 \\ & 1752 \end{aligned}$ | Carpentry and floor work: <br> Carpentry $\qquad$ <br> Floor laying and other floor work -- | 255 43 | 550 96 | 450 81 | 571 103 | 617 111 | 562 87 | 7 7 | 12 5 | 12 5 | 14 4 | 13 4 | 11 5 |
| 1761 | Roofing, siding, and sheet metal work $\qquad$ | 113 | 537 | 472 | 580 | 552 | 545 | 9 | 10 | 11 | 10 | 10 | 12 |
| 1771 | Concrete work----------------------- | 106 | 346 | 170 | 423 | 433 | 357 | 10 | 6 | 11 | 6 | 7 | 6 |
| 1781 | Water well drilling ------------------- | 14 | 33 | 25 | 33 | 38 | 34 | (Z) | 4 | 5 | 4 | 3 | 4 |
| 179 | Miscellaneous special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1791 | Structural steel erection ---------- Glass and glazing work | 15 23 | $164$ | 138 94 | 153 100 | $188$ |  | 28 13 | 5 | 3 | 3 | 8 | 4 |
| 1793 | Glass and glazing work --------------------- | 23 99 | +956 | $\begin{array}{r}94 \\ 185 \\ \hline\end{array}$ | 100 234 | $\begin{array}{r}94 \\ 266 \\ \hline\end{array}$ | -930 | 13 11 11 | 12 8 8 | 7 | 10 8 8 | 15 7 | 15 |
| 1795 | Wrecking and demolition work--------- | 12 | 98 | 82 | 94 | (D) | (D) | 12 | 6 | 7 | 6 | (D) | (D) |
| 1796 | Installing building equipment, <br> n.e.c. |  |  | 91 | 84 | 86 | 87 | 10 | 3 | 5 | 2 | 3 | 2 |
| 1799 | Special trade contractors, n.e.c. --- | 135 | 436 | 417 | 422 | 497 | 407 | 14 | 14 | 24 | 12 | 12 | 13 |

[^11]Table 10. Selected Industry Ratios for Establishments With Payroll in This State: 1992
[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| $\underset{\text { code }}{\text { SIC }}$ | Industry | Average number of employees** per establishment | $\begin{array}{r} \text { Payroll } \\ \text { per } \\ \text { employee } \\ (\$ 1,000) \end{array}$ | $\begin{array}{r} \text { Value of } \\ \text { construction } \\ \text { work } \\ \text { per } \\ \text { construction } \\ \text { worker } \\ (\$ 1,000) \end{array}$ | Average per dollar value of construction work |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Payroll, employees | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted out to others | Value of construction work subcontracted in from others | $\begin{array}{r} \text { Rental } \\ \text { cost } \\ \text { for } \\ \text { machinery, } \\ \text { equipment, } \\ \text { and } \\ \text { buildings } \end{array}$ |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries -- | 4.9 | 25.7 | 170.9 | . 199 | . 294 | . 304 | . 233 | . 015 |
| 15 | Building construction-General contractors and operative builders: |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 152 \\ & 1521 \end{aligned}$ | General contractors, residential buildings: Single-family houses. | 2.5 | 18.4 | 128.6 | . 193 | . 341 | . 257 | . 066 | (S) |
| 1522 |  | 2.8 | 19.7 | 186.5 | . 142 | . 222 | . 412 | . 140 | . 019 |
| 1531 | Operative builders ----------------------------------------------- | 2.3 | 22.4 | 338.0 | . 102 | . 391 | . 315 | *. 004 | . 002 |
| $\begin{aligned} & 154 \\ & 1541 \\ & 1542 \end{aligned}$ | General contractors, nonresidential buildings: <br> Industrial buildings and warehouses $\qquad$ <br> Nonresidential buildings, n.e.c. | 14.7 14.5 | 39.7 26.0 | 347.0 | . ${ }^{\text {(D) }}$ | (D) | ( 473 | . ${ }^{\text {(D) }}$ | (D) |
| 16 | Heavy construction other than building constructioncontractors: |  |  |  |  |  |  |  |  |
| 1611 | Highway and street construction ----------------------------- | 28.7 | 32.8 | 161.9 | . 260 | (D) | . 171 | . 132 | . 047 |
| $\begin{aligned} & 162 \\ & 1622 \end{aligned}$ | Heavy construction, except highway: <br> Bridge, tunnel, and elevated highway construction | 34.3 |  | 228.0 | (D) | (D) | . 253 | . 199 | . 047 |
| 1623 | Water, sewer, and utility lines------------------------------ | 17.5 | 30.0 | 153.3 | . 245 | . 257 | . 134 | . 140 | . 023 |
| 1629 |  | 5.7 | 25.7 | (D) | (D) | (D) | (D) | (D) | (D) |
| 17 | Special trade contractors: |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and air-conditioning --------------------- | 4.9 | 28.9 | 145.7 | . 276 | . 377 | . 107 | . 394 | . 011 |
| 1721 | Painting and paper hanging ----------------------------------- | 2.9 | 17.1 | 58.0 | . 359 | . 209 | . 094 | . 400 | . 012 |
| 1731 | Electrical work ----------------------------------------------------- | 4.1 | 28.0 | 115.3 | . 332 | . 433 | . 025 | . 434 | . 008 |
| 174 1741 | Masonry, stonework, tile setting, and plastering: Masonry, stone setting, and other stonework | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 1742 | Plastering, drywall, and insulation work -------------------- | 5.9 | 24.6 | 84.0 | . 347 | . 287 | . 062 | . 793 | 007 |
| 1743 | Terrazzo, tile, marble, and mosaic work---------------------------- | 2.2 | 17.2 | 92.0 | . 225 | . 436 | (S) | . 399 | . 005 |
| 175 | Carpentry and floor work: |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 1751 \\ & 1752 \end{aligned}$ | Carpentry $\qquad$ <br> Floor laying and other floor work | 2.5 2.7 | 18.8 24.9 | 86.2 144.4 | . 254 | .386 .375 | . 121 | . 435 | .012 .010 |
| 1761 | Roofing, siding, and sheet metal work ------------------------ | 6.2 | 20.6 | 90.5 | . 298 | . 349 | . 045 | . 501 | . 014 |
| 1771 | Concrete work -- | 4.1 | 22.1 | 91.4 | . 303 | (D) | . 133 | . 482 | . 036 |
| 1781 | Water well drilling ---------------------------------------------- | 3.6 | 24.6 | 157.7 | . 236 | . 315 | . 005 | . 264 | . 003 |
| 179 1791 | Miscellaneous special trade contractors: Structural steel erection | 14.3 | 46.3 | 182.5 | . 328 | (D) | (D) | (D) |  |
| 1793 | Glass and glazing work ------------------------------------------------- | 5.8 | 42.2 | 314.8 | . 190 | . 385 | (D) | . 830 | . 009 |
| 1794 | Excavation work ---------------------------------------------------------- | 3.1 | 20.3 | 100.3 | . 266 | . 281 | . 067 | . 412 | . 027 |
| 1795 |  | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 1796 | Installing building equipment, n.e.c.------------------------ | 8.6 | 34.0 | 104.4 | . 479 | . 133 | . 009 | . 158 | . 007 |
| 1799 | Special trade contractors, n.e.c. --------------------------- | 4.1 | 23.0 | 106.1 | . 276 | . 367 | . 058 | . 347 | . 015 |

Table 11. Selected Statistics for Establishments With Payroll for Selected Metropolitan
Areas: 1992

\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \[
\begin{gathered}
\text { SIC } \\
\text { code }
\end{gathered}
\] \& Geographic area and industry \& Number of establishments \& \[
\underset{\text { employees** }^{\text {All }}}{ }
\] \& Payroll, all employees \& Value of construction work \& \begin{tabular}{l}
Net \\
value of construction work \(\dagger\)
\end{tabular} \& Value added \(\dagger \dagger\) \& Cost of materials, components, supplies, and fuels \& Cost of construction work subcontracted out to others \& Capital expenditures, other than land \& Rela
stan
erro
estir
(perce
for
colur \& \\
\hline \& \& A \& B \& C \& D \& E \& F \& G \& H \& 1 \& B \& E \\
\hline \& PROVIDENCE-FALL RIVERWARWICK, RI-MA MSA \& \& \& \& \& \& \& \& \& \& \& \\
\hline \[
\begin{gathered}
15,16 \\
17
\end{gathered}
\] \& Construction industries .--------- \& 3085 \& 15423 \& 395978 \& 1984282 \& 1394678 \& 850380 \& 588115 \& 589604 \& 21873 \& 1 \& 1 \\
\hline 15 \& Building construction-General contractors and operative builders: \& \& \& \& \& \& \& \& \& \& \& \\
\hline 152 \& General contractors, residential buildings: \& \& \& \& \& \& \& \& \& \& \& \\
\hline \[
\begin{aligned}
\& 1521 \\
\& 1522
\end{aligned}
\] \& Single-family houses \(\qquad\) Other residential buildings \(\qquad\) \& 544
52 \& \[
\begin{aligned}
1420 \\
\text { (D) }
\end{aligned}
\] \& 26
2622

723 \& $$
\begin{array}{r}
138125 \\
19114
\end{array}
$$ \& \[

$$
\begin{array}{r}
104016 \\
11303
\end{array}
$$
\] \& 57681

8167 \& $$
\begin{array}{r}
47680 \\
4247
\end{array}
$$ \& 34109

$* 7811$ \& *(S) \& (D) ${ }^{7}$ \& 8
25 <br>
\hline 1531 \& Operative builders ------------------- \& 76 \& 188 \& 4718 \& 56780 \& 38979 \& 18887 \& 20892 \& 17802 \& 103 \& 15 \& 11 <br>
\hline 154 \& General contractors, nonresidential buildings: \& \& \& \& \& \& \& \& \& \& \& <br>
\hline 1541 \& Industrial buildings and warehouses $\qquad$ \& (S) \& 429 \& 16497 \& (D) \& (D) \& 24208 \& (D) \& (D) \& 640 \& 5 \& (D) <br>
\hline 1542 \& Nonresidential buildings, n.e.c. ----- \& 140 \& 2106 \& 55138 \& 484706 \& 248877 \& 155299 \& 101685 \& 235829 \& 1269 \& 3 \& 3 <br>
\hline 16 \& Heavy construction other than building construction-contractors: \& \& \& \& \& \& \& \& \& \& \& <br>
\hline 1611 \& Highway and street construction ----- \& 35 \& 927 \& 30210 \& 127377 \& 105937 \& 71876 \& 49410 \& 21440 \& 3777 \& 6 \& 3 <br>

\hline $$
\begin{aligned}
& 162 \\
& 1622
\end{aligned}
$$ \& Heavy construction, except highway: Bridge, tunnel, and elevated \& \& \& \& \& \& \& \& \& \& \& <br>

\hline 1623 \& Water, sewer, and utility line--------- \& 35 \& 517 \& 16237 \& 65157 \& 56519 \& 39763 \& 17 (D) \& 8 (D) \& 1336 \& (D) \& (D) <br>
\hline 1629 \& Heavy construction, n.e.c. ---------- \& 73 \& 378 \& 10137 \& 42161 \& 35889 \& 24113 \& 12553 \& 6272 \& 3257 \& 7 \& 6 <br>
\hline 17 \& Special trade contractors: \& \& \& \& \& \& \& \& \& \& \& <br>
\hline 1711 \& Plumbing, heating, and airconditioning \& 352 \& 1729 \& 50446 \& 183830 \& 162962 \& 95847 \& 67832 \& 20867 \& (S) \& 4 \& 5 <br>
\hline 1721 \& Painting and paper hanging ---------- \& 169 \& 513 \& 8460 \& 24445 \& 22283 \& 17020 \& 5273 \& 2163 \& *457 \& 10 \& 7 <br>
\hline 1731 \& Electrical work ----------------------- \& 368 \& 1650 \& 44128 \& 131524 \& 128313 \& 74737 \& 55818 \& 3212 \& 1784 \& 4 \& 3 <br>
\hline 174 \& Masonry, stone work, tile setting, and plastering: \& \& \& \& \& \& \& \& \& \& \& <br>
\hline 1741 \& Masonry, stone setting, and other stone work $\qquad$ \& 114 \& (S) \& (S) \& (S) \& (S) \& (S) \& (S) \& (S) \& 383 \& (S) \& (S) <br>
\hline 1742 \& Plastering, drywall, and insulation work $\qquad$ \& 119 \& 715 \& 18283 \& 54538 \& 51387 \& 34828 \& 16690 \& 3151 \& 431 \& 9 \& 6 <br>
\hline 1743 \& Terrazzo, tile, marble, and mosaic work $\qquad$ \& (S) \& 87 \& 1494 \& 6626 \& 6341 \& 3552 \& 2891 \& (S) \& 15 \& 19 \& 17 <br>
\hline 175 \& Carpentry and floor work: \& \& \& \& \& \& \& \& \& \& \& <br>
\hline 1752 \& Carpentry ------------1--1------
Floor laying and \& 50 \& 141 \& 3441 \& 16824 \& 15373 \& 24
8 \& 18911 \& ${ }_{1}^{6} 451$ \& (D) \& 11
3 \& 9
2 <br>
\hline 1761 \& Roofing, siding, and sheet metal work $\qquad$ \& 120 \& 779 \& 16968 \& 59915 \& 56335 \& 33076 \& 23277 \& 3580 \& 566 \& 7 \& 7 <br>
\hline 1771 \& Concrete work ---------------------- \& 135 \& 629 \& 13182 \& 45149 \& 39438 \& 24626 \& 16740 \& 5710 \& 1177 \& 8 \& 8 <br>
\hline 1781 \& Water well drilling ------------------- \& 12 \& (D) \& (D) \& (D) \& (D) \& (D) \& (D) \& (D) \& (D) \& (D) \& (D) <br>
\hline 179 \& Miscellaneous special trade contractors: \& \& \& \& \& \& \& \& \& \& \& <br>

\hline 1791 \& Structural steel erection ----------- \& 16 \& (D) \& (D) \& (D) \& (D) \& (D) \& | 7 |
| ---: |
| 13 |
| 114 | \& (D) \& (D) \& (D) \& (D) <br>

\hline 1793 \& Glass and glazing work ----------- \& 23 \& 154 \& 6255 \& (D) \& (D) \& 10498 \& 13114 \& (D) \& (D) \& 8 \& (D) <br>
\hline 1794
1795 \& Excavation work---1-------------- \& 109
12 \& 341 \& 7054 \& 25735
(D) \& 24407 \& 18370
4329 \& 7 377 \& 1328
309 \& 1005
133 \& (D) ${ }_{8}$ \& (D) <br>
\hline 1796 \& Installing building equipment, n.e.c.-- \& 20 \& 171 \& 5013 \& 12006 \& 11866 \& 10083 \& 1840 \& 140 \& (D) \& ( 2 \& ( ${ }_{1}$ <br>
\hline 1799 \& Special trade contractors, n.e.c.---- \& 152 \& 587 \& 13581 \& 51733 \& 48436 \& 29568 \& 19391 \& 3297 \& 574 \& 12 \& 14 <br>
\hline
\end{tabular}

## Contents <br> Vermont

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[^12]
## Summary of Findings

This report provides results from the 1992 Census of Construction Industries for Vermont. The report includes data for construction establishments with payroll and shows limited data for establishments with no payroll (nonemployers). (Establishments with no payroll are, for the most part, companies owned and operated by a single person.)

Establishments covered in this report were primarily engaged in contract construction or construction on their own account for sale, as defined in the 1987 Standard Industrial Classification (SIC) Manual. ${ }^{1}$ The SIC Manual defines construction in three broad types: (1) building construction by general contractors or operative builders; (2) heavy construction (highways, power plants, etc.) done by general contractors and selected special trade contractors; and, (3) construction done by special trade contractors such as electricians, plumbers and painters.

During 1992, there were 8,963 establishments in this State operating in the construction industries. These establishments accounted for $\$ 1.4$ billion in total dollar value of business done.

Most of the 8,963 construction establishments were small. Of the total, 6,419 were nonemployers, and over half of the employer establishments had less than 5 employees. The 615 construction establishments with 5 employees or more, while representing only 7 percent of all establishments, accounted for more than 68 percent of the total dollar value of business done.

## ESTABLISHMENTS WITH PAYROLL

During 1992, the establishments with paid employees accounted for $\$ 1.22$ billion in total dollar value of business done. Of this amount, $\$ 1.20$ billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to $\$ 334$ million, leaving net value of construction work of $\$ 863$ million. In addition, these establishments paid out $\$ 434$ million for the cost of materials, fuels, power, rental of equipment and buildings,

[^13]and the cost of selected purchased services. Value added for 1992 was $\$ 496$ million. (See Introduction and appendixes for explanation of terms.)

There were 2,544 establishments with total employment averaging 11,878 during the year. Total payroll for 1992 was $\$ 241$ million.

The data in this report covering establishments with payroll were obtained from a sample survey. 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. A separate census report was required from each sample establishment covering domestic operations. Separate reports were not required for each project or construction site.

For 1987 and earlier censuses, receipts from the sale of land were collected separately for general contractors and operative builders. These receipts were included in the total dollar value of business done, but excluded from the value of construction work done. For 1992, receipts from the sale of land were not collected separately, but are still excluded from the value of construction work done. All dollar values are shown in current dollars for the years specified and have not been adjusted for inflation.

Since the data in this report covering employer establishments are estimated from a sample survey, they are subject to sampling variability, as well as errors of response and nonreporting. The relative standard errors shown in the tables are measures of sampling variability. Descriptions of the sampling, estimating procedures, and data reliability are included in the Introduction.

## ESTABLISHMENTS WITHOUT PAYROLL

During 1992, there were 6,419 establishments with no payroll classified as construction. According to administrative records of the Federal Government, their dollar value of business done during 1992 was $\$ 164$ million. Most of these establishments, about 81 percent, were special trade contractors.

For the establishments without payroll, only information on total value of business done was available from administrative records. Statistics on establishments without payroll are shown in table 1 of this report.

Figure 1. Value of Construction Work by Type of Construction


Figure 2. Selected Costs per Dollar Value of Business Done
(Percent)


## Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1992 and 1987

| $\underset{\text { code }}{\text { SIC }}$ | Industry | All establishments |  |  |  | Establishments without payroll |  |  | Establishments with payroll |  |  |  | Relative standard error of estimate (percent) for column- |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Number | Proprietors and working partners partners | All employees** | Dollar value of done | Number | Proprietors and working partners partners | Dollar value of business done | Number | Proprietors and working partners | All employees** | Dollar value of businese done |  |  |
|  |  | A | B | C | D | E | F | G | H | I | $J$ | K | J | K |
|  | 1992 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} \text { 15, } 16, ~ \\ 17 \end{gathered}$ | Construction industries ---------- | 8963 | 7649 | 11878 | 1383462 | 6419 | 6324 | 163646 | 2544 | 1325 | 11878 | 1219816 | 2 | 2 |
| 15 | Building construction-General contractors and operative builders $\qquad$ | 2089 | 1494 | 5009 | 742758 | 1126 | 1052 | 50727 | 963 | 442 | 5009 | 692031 | 4 | 3 |
| 16 | Heavy construction other than building construction- contractors. $\qquad$ | 213 | 152 | 1336 | 131699 | 89 | 82 | 2624 | 124 | 70 | 1336 | 129075 | 6 | 6 |
| 17 | Special trade contractors -------------- | 6661 | 6004 | 5534 | 509004 | 5204 | 5190 | 110295 | 1457 | 814 | 5534 | 398709 | 3 | 4 |
| 1711 | Plumbing, heating, and air-conditioning -- | 641 | 515 | 1059 | 105173 | 380 | 377 | 13780 | 261 | 138 | 1059 | 91393 | 8 | 8 |
| 1731 | Electrical work--------------------------- | 592 | 465 | 879 | 68746 | 390 | 380 | 10087 | 202 | (S) | 879 | 58659 | 6 | 5 |
|  | 1987 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15, 16, | Construction industries ${ }^{2}$---------- | 8678 | 6737 | 16630 | 1813246 | 6039 | 5935 | 278253 | 2639 | 802 | 16630 | 1534993 | 2 | 4 |
| 15 | Building construction-General contractors and operative builders $\qquad$ | 2254 | 1478 | 7059 | 941065 | 1252 | 1182 | 87313 | 1002 | 296 | 7059 | 853752 | 3 | 6 |
| 16 | Heavy construction other than building construction- contractors $\qquad$ | 215 | 94 | 1477 | 129474 | 76 | 70 | 3860 | 139 | 24 | 1477 | 125614 | 6 | 4 |
| 17 | Special trade contractors -------------- | 6002 | 5033 | 7768 | 664819 | 4543 | 4553 | 134340 | 1459 | 480 | 7768 | 530479 | 3 | 4 |
| 1711 | Plumbing, heating, and air-conditioning -- | 653 | 424 | 1710 | 154867 | 337 | 339 | 19242 | 316 | 85 | 1710 | 135625 | 6 | 7 |
| 1731 | Electrical work--------------------------- | 534 | 345 | 1056 | 79310 | 332 | 328 | 12722 | 202 | 17 | 1056 | 66588 | 7 | 8 |

${ }^{1}$ For 1992, nonemployer records showing revenues greater than $\$ 1$ million were excluded. See Introduction text.
${ }^{2}$ Includes data for "Land Subdividers and Developers", SIC 6552

Table 2. General Statistics for Establishments With Payroll by Industry: 1992 and 1987
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| $\underset{\text { SIC }}{\text { Sode }}$ | Industry | 1992 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Number of establishments | Employees** |  | Payroll |  | Value of construction work | Net value of construction work $\dagger$ | Value added $\dagger \dagger$ |
|  |  |  | All | Construction workers | All employees | Construction workers |  |  |  |
|  |  | A | B | C | D | E | F | G | H |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries ${ }^{1}$-------------------------------- | 2544 | 11878 | 9186 | 241116 | 175366 | 1196993 | 863228 | 495560 |
| 15 | Building construction-General contractors and operative builders: |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 152 \\ & 1521 \\ & 1522 \end{aligned}$ | General contractors, residential buildings: <br> Single-family houses <br> Other residential buildings | 759 $*$ | 2712 $* 22$ | 2063 | ${ }^{41}{ }_{*} 3575$ | 33 $*$ $*$ | 218 $\times 1$ $* 1$ 194 | $\begin{array}{r} 165727 \\ * 1384 \end{array}$ | $\begin{array}{r} 88940 \\ \text { (D) } \end{array}$ |
| 1531 |  | 60 | 164 | 71 | 3408 | 1259 | 39561 | 30754 | 11969 |
| $\begin{aligned} & 154 \\ & 1541 \\ & 1542 \end{aligned}$ | General contractors, nonresidential buildings: <br> Industrial buildings and warehouses $\qquad$ <br> Nonresidential buildings, n.e.c $\qquad$ | 11 122 | 324 1787 | 229 1290 | 9375 47311 | 6920 28306 | 361 (D) | 165632 | $\begin{aligned} & 13359 \\ & 86344 \end{aligned}$ |
| 16 | Heavy construction other than building constructioncontractors: |  |  |  |  |  |  |  |  |
| 1611 | Highway and street construction ------------------------------ | 23 | 270 | 217 | 7331 | 4822 | 31364 | 27268 | 11738 |
| $\begin{aligned} & 162 \\ & 1622 \end{aligned}$ | Heavy construction, except highway: <br> Bridge, tunnel, and elevated highway construction | 13 | 252 | 216 | 5681 | 4129 | 23084 | 17797 |  |
| 1623 | Water, sewer, and utility lines----------------------------- | 27 | 278 | 241 | 6922 | 5428 | 24649 | 20280 | 14022 |
| 1629 | Heavy construction, n.e.c. ---------------------------------- | 62 | 535 | 428 | 10726 | 8224 | 44941 | (D) | 26837 |
| 17 | Special trade contractors: |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and air-conditioning ----------------------- | 261 | 1059 | 769 | 23538 | 17024 | 89977 | 81576 | 47417 |
| 1721 | Painting and paper hanging ----------------------------------- | 139 | 421 | 362 | 6335 | 5507 | 16224 | 15719 | 11533 |
| 1731 | Electrical work --------------------------------------------------- | 202 | 879 | 678 | 19459 | 14067 | 56917 | 55380 | 33964 |
| 174 1741 | Masonry, stonework, tile setting, and plastering: Masonry, stone setting, and other stonework | 95 | 296 | 261 | 5920 | 5042 | 17465 | 17050 | 11708 |
| 1742 | Plastering, drywall, and insulation work ------------------------ | 24 +8 | 167 | 137 | 3772 | 2903 | 10701 | 9600 | 5626 |
| 1743 | Terrazzo, tile, marble, and mosaic work--------------------- | *8 | (D) | (D) | 79 | 79 | (D) | (D) | 327 |
| 175 1751 | Carpentry and floor work: <br> Carpentry | 197 | 455 | 378 |  | 4996 | 30661 | 27607 |  |
| 1752 | Floor laying and other floor work-------------------------------------------- | 34 | 81 | 65 | 1159 | 865 | 5125 | 4750 | 2415 |
| 1761 | Roofing, siding, and sheet metal work --------------------- | 68 | 302 | 243 | (D) | (D) | (D) | (D) | (D) |
| 1771 | Concrete work ------------------------------------------------- | 131 | 413 | 349 | 7985 | 6485 | 27793 | 26920 | 15877 |
| 1781 | Water well drilling ---------------------------------------------- | 27 | 242 | *213 | 4058 | 3462 | 19461 | 19267 | 11812 |
| 179 1791 | Miscellaneous special trade contractors: Structural steel erection. |  | 58 | 45 |  |  |  |  |  |
| 1793 |  | *15 | * 64 | *50 | *1 299 | *875 | *4643 | (D) | (D) |
| 1794 |  | 194 | 718 | 583 |  | 11496 | 50871 | 49145 | 38127 |
| 1795 |  | (S) | (D) | (D) | ${ }_{1}$ (S) |  | (S) |  | (S) |
| 1796 1799 | Installing building equipment, n.e.c.------------------------------------- Special | 3 46 | 27 (D) | 20 217 | $\begin{aligned} & 1003 \\ & \text { (D) }\end{aligned}$ | (D) 3999 | ( ${ }^{\text {(D) }} 17$ | 3589 (D) | 2068 13518 |

${ }^{1}$ For 1987, includes data for "Land Subdividers and Developers", SIC 6552. For 1992, SIC 6552 data are included in the Census of Financial, Insurance, and Real Estate Industries,

\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{6}{|c|}{1992-Con.} \& \multicolumn{3}{|c|}{1987} \& \multicolumn{3}{|l|}{\multirow[b]{2}{*}{Relative standard error of estimate (percent) for column-}} \& \multirow{3}{*}{SIC code} <br>
\hline Cost of materials, components, supplies, and fuels \& Cost of construction work subcontracted out to others \& Value of contruction work subcontracted in from others \& Rental cost of machinery, equipment, and buildings \& Capital expenditures, other than land \& End-of-year gross book value of depreciable assets \& $$
\underset{\text { employees** }}{\text { All }}
$$ \& Value of construction work \& Value added $\dagger \dagger$ \& \& \& \& <br>
\hline 1 \& J \& K \& L \& M \& N \& $\bigcirc$ \& P \& Q \& B \& G \& M \& <br>
\hline 390491 \& 333765 \& 192294 \& 18173 \& 19644 \& 236679 \& 16630 \& 1479576 \& 634232 \& 2 \& 2 \& 13 \& $$
\begin{aligned}
& \frac{15,16,}{17} \\
& 15
\end{aligned}
$$ <br>
\hline $$
\begin{array}{rr}
79436 \\
\text { (D) }
\end{array}
$$ \& 52377
(S) \& (S) \& $\begin{array}{rr}1521 \\ & \text { (S) }\end{array}$ \& 2410
$* 102$ \& 21540
(S) \& 3804
409 \& 319208
45988 \& $$
\begin{array}{r}
120967 \\
13201
\end{array}
$$ \& 58 \& 68 \& 26
67 \& $$
\begin{aligned}
& 152 \\
& 1521 \\
& 1522
\end{aligned}
$$ <br>
\hline 20493 \& 8806 \& (S) \& (S) \& *397 \& 3971 \& 336 \& (D) \& (D) \& 16 \& 27 \& 60 \& 1531 <br>
\hline $$
\begin{aligned}
& 16124 \\
& 80683
\end{aligned}
$$ \& 19618 \& (S)
1787 \& 759
3761 \& 2018) \& 4286
23041 \& 278
2232 \& 40920
306608 \& 10680
77 \& 6
5 \& (D) \& (D) \& $$
\begin{aligned}
& 154 \\
& 1541 \\
& 1542
\end{aligned}
$$ <br>
\hline \& \& \& \& \& \& \& \& \& \& \& \& 16 <br>
\hline 16932 \& 4097 \& 11508 \& 467 \& 1404 \& 27745 \& 308 \& 32411 \& 17772 \& 9 \& 12 \& 14 \& 1611 <br>
\hline $$
\begin{array}{rl}
7 & 748 \\
6 & 391 \\
\text { (D) }
\end{array}
$$ \& $$
\begin{array}{r}
5287 \\
4369 \\
4 \\
\text { (D) }
\end{array}
$$ \& $$
\begin{aligned}
& 3518 \\
& 4214 \\
& 4328
\end{aligned}
$$ \& $$
\begin{array}{r}
148 \\
867 \\
\times 3274
\end{array}
$$ \& $$
\begin{array}{r}
704 \\
877 \\
3114
\end{array}
$$ \& $$
\begin{aligned}
& 11069 \\
& 16464 \\
& 24676
\end{aligned}
$$ \& 305
379
485 \& $$
\begin{aligned}
& 30722 \\
& 27121 \\
& 31185
\end{aligned}
$$ \& $$
\begin{aligned}
& 16245 \\
& 17261 \\
& 21559
\end{aligned}
$$ \& $$
\begin{array}{r}
17 \\
8 \\
12
\end{array}
$$ \& 12
7
(D) \& (Z)
25
39 \& $$
\begin{aligned}
& 162 \\
& 1622 \\
& 1623 \\
& 1629
\end{aligned}
$$ <br>
\hline \& \& \& \& \& \& \& \& \& \& \& \& 17 <br>
\hline 35575 \& 8401 \& 47553 \& 1629 \& 716 \& 10276 \& 1710 \& 129280 \& 67175 \& 8 \& 7 \& 21 \& 1711 <br>
\hline 4185 \& 506 \& 9239 \& 231 \& *207 \& 1588 \& 622 \& 18538 \& 13543 \& 13 \& 12 \& 55 \& 1721 <br>
\hline 23158 \& 1537 \& 15533 \& 609 \& 598 \& 6526 \& 1056 \& 65946 \& 36384 \& 6 \& 5 \& 33 \& 1731 <br>
\hline $\begin{array}{r}5342 \\ 4553 \\ \hline 262\end{array}$ \& 415
1401
91 \& 11915
8422
511 \& $$
\begin{array}{r}
111 \\
177 \\
24
\end{array}
$$ \& $$

$$ \& $$
\begin{array}{r}
3723 \\
1015 \\
1015 \\
47
\end{array}
$$ \& $$
\begin{array}{r}
431 \\
459 \\
\text { (D) }
\end{array}
$$ \& $$
\begin{array}{r}
22601 \\
24 \\
408 \\
\\
\text { (D) }
\end{array}
$$ \& $$
\begin{array}{r}
13982 \\
14422 \\
\\
\text { (D) }
\end{array}
$$ \& 13
19
(D) \& 13
19
(D) \& 35
10
58 \& 174
1741
1742
1743 <br>
\hline $$
\begin{array}{rr}
11234 \\
& \text { (S) }
\end{array}
$$ \& $$
\begin{array}{r}
3053 \\
(\mathrm{~S})
\end{array}
$$ \& $\begin{array}{r}5330 \\ 1947 \\ \hline\end{array}$ \& $$
\begin{aligned}
& \text { (S) } \\
& \text { (S) }
\end{aligned}
$$ \& $$
\begin{array}{r}
370 \\
(\mathrm{~S})
\end{array}
$$ \& 5603
$* 1012$ \& $$
\begin{aligned}
& 766 \\
& \text { (D) }
\end{aligned}
$$ \& 52509
2805 \& 20530
1440 \& 14
18 \& 16
12 \& (S) \& $$
\begin{aligned}
& 175 \\
& 1751 \\
& 1752
\end{aligned}
$$ <br>
\hline 11649 \& (D) \& (D) \& 195 \& 293 \& 6479 \& 638 \& 40984 \& 23210 \& 10 \& (D) \& 33 \& 1761 <br>
\hline 12442 \& 873 \& 15444 \& 830 \& 887 \& 8486 \& 479 \& 33392 \& 16126 \& 12 \& 13 \& 31 \& 1771 <br>
\hline 7455 \& 194 \& 225 \& *454 \& 204 \& 8159 \& 57 \& 6210 \& 4526 \& 38 \& 38 \& 23 \& 1781 <br>
\hline \& \& \& \& \& \& \& \& \& \& \& \& 179 <br>
\hline $\begin{array}{r}1 \\ * \\ \times 272 \\ \hline 15\end{array}$ \& 222
(D) \& 5677
(D) \& $\begin{array}{r}186 \\ 80 \\ \hline 8\end{array}$ \& 160
(D) \& 1170
289 \& 126
99 \& $\begin{array}{r}9174 \\ 14592 \\ \hline\end{array}$ \& 6579
5638 \& (Z) \& (Z) \& (Z) \& 1791 <br>
\hline 14915 \& 1727 \& \& \& \& 47506 \& 870 \& 67003 \& 47338 \& 14 \& ${ }_{15}$ \& - 55 \& 1794 <br>
\hline  \& (D) \& *8790 ${ }^{\text {(D) }}$ \& (D) \& *102 ${ }^{-}$ \&  \& *68 \& 6440

21464 \& 4013
12552 \& (D) \& (S) \& (D) \& 1795
1796
1799 <br>
\hline \& (D) \& *8790 \& (D) \& *102 \& *1089 \& 333 \& 21464 \& 12552 \& (D) \& (D) \& 46 \& 1799 <br>
\hline
\end{tabular}

Table 3. Detailed Statistics for Establishments With Payroll: 1992 and Earlier Census Years
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Item | 1992 | 1987 | 1982 | 1977 | Relative standard error of estimate (percent) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 1992 | 1987 | 1982 | 1977 |
|  | 2544 | 2639 | 1783 | 1738 | 1 | 2 | 4 | 6 |
|  | 1325 | 802 | 812 | 1217 | 4 | 8 | 7 | 9 |
| All employees** | 11878 | 16630 | 9795 | 8628 | 2 | 2 | 3 | 4 |
| Construction workers: |  |  |  |  | 3 |  | 3 |  |
| May -------- | 9164 | 12953 | 7810 | 7959 | 2 | 2 | 4 | 4 |
| August ---- | 10907 | 14640 | 9369 | 8652 | 2 | 2 | 3 | 4 |
| November ---- | 9 9 9 | 12877 12859 | 8527 8082 | 7875 7432 | 2 | 2 | 3 3 | 4 |
| Other employees: |  |  |  |  |  |  |  |  |
| March---- | 2604 | 3566 | 1705 | 1083 | 3 | 2 | 5 | ${ }^{6}$ |
| May --- | 2633 2730 2 | 3927 3952 3 | (NA) | (NA) | 3 | 2 | (NA) | (NA) |
| November -- | 2800 | 3839 | (NA) | (NA) | 4 | 2 | (NA) | (NA) |
| Average | 2692 | 3771 | (NA) | (NA) | 3 | 2 | (NA) | (NA) |
| Payroll, all employees . | 241116 | 306737 | 133909 | 79474 | 2 |  |  |  |
| Payroll, construction workers <br> Payroll, other employees .-. | 175366 65749 | 223511 83225 | 102619 31290 | 65578 13897 | 2 | 2 3 | 3 3 | 4 |
| First quarter payroll, all employees _ | 48157 | 65407 | 26038 | 13856 | 3 | 2 | 3 | 3 |
| Fringe benefits, all employees | 50678 | 60156 | 25595 | 12462 | 2 | 4 | 3 | 3 |
| Legally required expenditures <br> Voluntary expenditures | 36756 13923 | 44858 15297 | 18057 7538 | 9127 3335 | 3 | 4 3 | 4 | 3 4 |
|  | 1219816 | 1534993 | 642690 | 346649 | 2 |  |  |  |
| Value of construction work .--- | 1196993 | 1479576 | 622437 | 333568 | 2 | 3 | 3 | 3 |
| Value of construction work subcontracted in from others | 192294 | 238492 | 93629 | 58649 | 6 | 6 | 6 |  |
| Other business receipts .---------------------------------- | 22823 | 31700 | (D) | 13081 | 8 | 7 | (D) | 7 |
| Net value of construction $\dagger$ - | 863228 | 1097584 | 475271 | 272120 | 2 | 2 | 3 | 3 |
| Value added $\dagger \dagger$-. | 495560 | 634232 | 266317 | 147521 | 2 | 3 | 3 | 3 |
| Selected costs .. | 724256 | 877044 | 373167 | 195754 | 2 | 5 | 3 | 3 |
| Materials, components, and supplies | 365012 | 470304 | 211149 | 126593 | 3 | 3 | 3 | 4 |
| Construction work subcontracted out to others | 333765 | 381992 | 147165 | 61449 | 2 | 9 | 3 | 3 |
| Selected power, fuels, and lubricants .------ | 25479 | 24748 | 14852 | 7712 | 5 | 5 | 6 | 5 |
| Electricity--- | 3783 | 3170 | 2038 | 845 | 9 | 4 | 7 | 8 |
| Natural gas ----- | 1312 | 337 | 271 | 144 | 6 | 10 | 12 | 32 |
| Gasoline and diesel fuel | 18590 | 19641 | 11518 | 5879 | 4 | 7 | 6 | 5 |
| On highway use-- | 13829 | 15402 | (NA) | (NA) | 5 | 8 | (NA) | (NA) |
| Off highway use- | 4762 | 4239 | (NA) | (NA) | 7 | 5 | (NA) | (NA) |
| Other, including lubricating oils and greases. | 1794 | 1599 | 1024 | 845 | 9 | 4 | 10 | 10 |
| Rental cost for machinery, equipment, and buildings | 18173 | 19844 | 9926 | 5903 | 10 | 4 |  |  |
| For machinery and equipment .--------- | 11673 | 13849 | 7827 | 4999 | 14 | 4 | 7 | 2 |
| For buildings------------------- | 6500 | 5995 | 2098 | 904 | 10 | 6 | 8 | 7 |
| Selected purchased services . | 25078 | 21506 | 12044 | 7979 | 7 | 4 | 5 |  |
| Communication services | 6951 | 5839 | 3375 | 2302 | 7 | 4 | 5 | 4 |
| Repairs to buildings and other structures Repairs to machinery and equipment.-- | 838 17 | 1731 13935 |  | 534 5143 | 11 8 | 9 5 | 11 | 12 5 |
| Repairs to machinery and equipment .-. | 17289 | 13935 | 8164 | 5143 | 8 | 5 | 7 | 5 |
| Ownership of construction projects: |  |  |  |  |  |  |  |  |
| Value of construction work .--- | 1196993 | 1479576 | 622437 | 333568 | 2 | 3 | 3 | 3 |
| Government owned | 293362 | 233559 | 133845 | 76708 | 4 | 4 | 11 | 3 |
| Federal -------- | 76866 216497 | 40830 192729 |  |  | 3 5 5 | 7 4 4 | (NA) | (NA) |
| Privately owned -------------------------------- | 903631 | 1246016 | 488591 | 256861 | 4 | 6 | 4 | 4 |

Note: Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of Finance, Insurance, and Real Estate Industries.

Table 4. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1992 and 1987

| Item | 1992 | 1987 | Relative standard error of estimate (percent) |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1992 | 1987 |
| BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT |  |  |  |  |
| Beginning-of-year gross book value of depreciable assets | 232852 | 192345 | 5 | 5 |
| Capital expenditures, other than land ----------------1-1- | 19644 | 31236 |  | 10 |
| New ------------------------------------ | 13947 5697 | 25914 5322 | 17 18 | 11 12 |
|  | 15818 | 15151 | 21 | 25 |
|  | 236679 | 208431 | 6 | 5 |
| Depreciation charges during year_ | 25765 | 28183 | 8 | 7 |
| Buildings and Other Structures, Additions, and Related Facilities |  |  |  |  |
| Beginning-of-year gross book value of depreciable assets $\qquad$ Capital expenditures, other than land | $\begin{array}{r}35427 \\ 815 \\ \hline 8\end{array}$ | 32523 4691 | 11 23 | 70 |
|  | 439 | 3497 | 18 9 | 25 |
|  | *376 | 1193 | 48 | 26 |
|  | (S) | 320 | (S) | 8 |
|  | 34491 | 36895 | 11 | 7 |
|  | (S) | 2508 | (S) | 11 |
| Machinery and Equipment |  |  |  |  |
|  | 197425 18830 | 159821 26545 | $\begin{array}{r}5 \\ 14 \\ \hline\end{array}$ | ${ }_{11}^{6}$ |
|  |  |  | 18 | 11 |
| New automobiles and trucks, intended primarily for highway use- | 5672 | 12062 | 16 | 19 |
|  | 5322 | 4128 | 19 | 12 |
|  | 14067 | 14831 | 22 | 25 |
|  | 202188 | 171535 | 6 | 6 |
|  | 22408 | 25675 | 7 | 7 |

Note: Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of Finance, Insurance, and Real Estate Industries.

Table 5. Value of Inventories for Establishments With Payroll: 1992 and 1991
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Item | Establishments with payroll | Relative standard error of estimate (percent) |
| :---: | :---: | :---: |
| All establishments: |  |  |
| Number -------------- | 2544 | 1 |
| Value of construction work | 1196993 | 2 |
| Establishments with inventories: |  |  |
|  | 805 | 5 |
|  | 728211 | 3 |
| Inventories': End of 1992, materials and supplies | 13676 | 12 |
| End of 1991, materials and supplies | 13712 | 13 |
| Establishments with no inventories: |  |  |
| Number --- | 1028 | 5 |
| Value of construction work | 322248 | 4 |
| Establishments not reporting: |  |  |
|  | 712 1465 | 5 |
|  | 146534 | 5 |

${ }^{1}$ Inventories at cost or market prior to any adjustment to correct to LIFO values.

# Table 6. Selected Statistics for Establishments With Payroll by Employment Size Class: 1992 and 1987 

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Selected statistics | Total | Establishments with an average of - |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{array}{r} 1 \text { to } 4 \\ \text { employees } \end{array}$ | $\begin{array}{r} 5 \text { to } 9 \\ \text { employees } \end{array}$ | $\begin{array}{r} 10 \text { to } 19 \\ \text { employees } \end{array}$ | $\begin{array}{r} 20 \text { to } 49 \\ \text { employees } \end{array}$ | $\begin{array}{r} 50 \text { to } 99 \\ \text { employees } \end{array}$ | 100 to 249 employees | $\begin{aligned} & 250 \text { to } 499 \\ & \text { employees } \end{aligned}$ | 500 to 999 employees | $\begin{array}{r} 1,000 \\ \text { employees } \\ \text { or more } \end{array}$ |
| 1992 |  |  |  |  |  |  |  |  |  |  |
| Number of establishments | 2544 | 1930 | 374 | 153 | 72 | 13 | 2 | - |  | - |
|  | 11878 | 3399 | 2433 | 1998 | 2002 | 809 | 1237 | - | (D) |  |
| Payroll, all employees ---------------------------------------- | 241116 1219816 | 49942 | 46278 | 40540 | 47157 | 57199 | (D) | - | (D) |  |
| Vollar value of business done ----------------------------------------------- | 1219816 1196993 | 274725 268495 | 209979 | 157 151689 | 188736 182923 | 88456 86744 | $\begin{array}{r}300822 \\ 300452 \\ \hline\end{array}$ | - | (D) |  |
| Net value of construction workt------------ | 863228 | 232135 | 175462 | 126196 | 140938 | $\underline{188497}$ | (D) | - | (D) | - |
| Value addedt† ----------------------------------------------- | 495560 | 128620 | 112554 | 78856 | 80371 | 95159 | (D) | - | (D) |  |
| Cost of materials, components, supplies, and fuels -------------- Cost of construction work subcontracted out to others | 390491 333765 | $\begin{array}{r}109745 \\ 36360 \\ \hline\end{array}$ | 66192 31233 | 52755 25488 | 66379 41985 | 95420 198699 | (D) | - | (D) |  |
| Rental cost for machinery, equipment, and buildings .----------- | 18173 | 4387 | 4006 | 1885 | 2966 | 4928 | (D) | - | (D) |  |
| Capital expenditures, other than land -------------1-1 | 19644 | 4769 | *5450 | 2877 | 2474 | 4075 | (D) | - | (D) |  |
| End-of-year gross book value of depreciable assets ------ | 236679 | 44377 | 67135 | 34286 | 40139 | 50742 | (D) | - | (D) | - |
| 1987 |  |  |  |  |  |  |  |  |  |  |
|  | 16630 | (S) | 3548 | 2661 | 3403 | 1272 | 2416 | - | - |  |
|  | +634232 | (S) | 116805 | -89 236 | 150 943 | $\xrightarrow{132333}$ | (D) | , | - | (D) |
| 1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT) |  |  |  |  |  |  |  |  |  |  |
|  |  |  | 10 | 9 | 9 | (Z) | (Z) | - | (D) | - |
| Net value of construction workt Capital expenditures, other than land ----------------------------------- | 13 | 24 | 10 41 | 9 25 | -8888888 | (Z) | (D) | - | (D) | - | Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of Finance, Insurance, and Real Estate Industries.

Table 7. Selected Statistics by Size Class of Dollar Value of Business Done for Establishments With Payroll: 1992 and 1987
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Selected statistics | Total | Establishments with dollar value of business done- |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{gathered} \text { Less than } \\ \$ 25,000 \end{gathered}$ | $\begin{array}{r} \$ 25,000 \\ \text { to } \\ \$ 49,999 \end{array}$ | $\begin{array}{r} \$ 50,000 \\ \text { to } \\ \$ 99,999 \end{array}$ | $\begin{aligned} & \$ 100,000 \\ & \text { to } \\ & \$ 249,999 \end{aligned}$ | $\begin{array}{r} \$ 250,000 \\ \text { to } \\ \$ 499,999 \end{array}$ | $\begin{aligned} & \$ 500,000 \\ & \text { to } \\ & \$ 999,999 \end{aligned}$ | $\begin{aligned} & \$ 1,000,000 \\ & \text { to } \\ & \$ 2,499,999 \end{aligned}$ | $\begin{aligned} & \$ 2,500,000 \\ & \text { to } \\ & \$ 4,999,999 \end{aligned}$ | $\begin{aligned} & \$ 5,000,000 \\ & \text { to } \\ & \$ 9,999,999 \end{aligned}$ | $\begin{gathered} \$ 10,000,000 \\ \text { or more } \end{gathered}$ |
| 1992 |  |  |  |  |  |  |  |  |  |  |  |
| Number of establishments | 2544 | (S) | (S) | 566 | 726 | 457 | 201 | 164 | 28 | 14 | 5 |
|  | 11878 | (S) | (S) | 791 | 1807 | 1883 | 1850 | 2301 | 881 | 743 | 1362 |
| Payroll, all employees | 241116 | (S) | (S) | 8727 | 26587 | 32454 | 37500 | 52171 | 23242 | 19062 | 39256 |
| Dollar value of business done | 1219816 | (S) | (S) | 40954 | 111246 | 156151 | 140571 | 242751 | 98028 | 92203 | 327882 |
| Value of construction work.---- |  | (S) | (S) |  |  | 151688 128420 |  |  |  | 91916 | 327512 132893 |
| Net value of construction workt ---------------- | 863228 | (S) | (S) | 38112 | 98188 | 128420 | 121147 | 191199 | 76214 | 67916 | 132893 |
| Value added $\dagger \dagger$ | 495560 | (S) | (S) | 22980 | 63277 | 68625 | 77924 | 114669 | 44990 | 36625 | 61211 |
| Cost of materials, components, supplies, and fuels | 390491 | (S) | (S) | 15794 | 37400 | 64258 | 45771 | 83818 | 34957 | 32339 | 72052 |
| Cost of construction work subcontracted out to others $\qquad$ | 333765 | (S) | (S) | (S) | 10569 | 23268 | 16876 | 44264 | 18082 | 23239 | 194619 |
| Rental cost for machinery, equipment, and buildings |  | (S) | (S) | 861 | S) |  |  |  |  |  | (D) |
| Capital expenditures, other than land ------------ | 19644 | (S) | (S) | 434 | 2000 | *5 938 | 1934 | 3923 | 1372 | 3856 | (D) |
| End-of-year gross book value of depreciable assets | 236679 | (S) | (S) | 12564 | 17246 | 36880 | 41234 | 50525 | 32110 | 24204 | 20136 |
| 1987 |  |  |  |  |  |  |  |  |  |  |  |
| All employees** | 16630 | (S) |  | (S) | 2865 | 2254 | 2388 | 2504 | 1915 | 1389 |  |
| Value addedt† -------------------------------------------- | +634232 | (S) | (S) | (S) | - 82111 | + 78456 | + 88259 | 102 259 | 201561 9861 | 166311 66131 | 398827 94888 |
| 1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT) |  |  |  |  |  |  |  |  |  |  |  |
| All employees** --------------------------------- | 2 | (S) | (S) | 11 |  | 11 |  |  |  |  |  |
| Net value of construction work† ----------------- | 2 | (S) | (S) | 10 | 9 | 11 | 12 | 9 | 8 | (Z) | (Z) |
| Capital expenditures, other than land ----------- | 13 | (S) | (S) | 28 | 28 | 41 | 21 | 19 | 1 | (Z) | (D) |

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies. Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of Finance, Insurance, and Real Estate Industries

# Table 8. Value of Construction Work for Establishments With Payroll by Type of Construction: 1992 and 1987 

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 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 |
| 1992 |  |  |  |  |  |  |  |  |
| Value of construction work | 1196993 | 653712 | 336462 | 114725 | 2 | 3 | 3 | 5 |
| Building construction -- | 867352 342757 3 | 526095 208710 | 253575 90424 | 87682 43624 | 2 5 | 3 6 | 4 7 7 | 6 10 |
|  | 310218 | 184995 | 84551 | 40671 | 5 | 7 | 7 | 11 |
| Single-family houses, attached, including townhouses and townhouse-type condominiums | 32539 | 23714 | 5873 | 2952 | 14 | 15 | 25 | 20 |
| Apartment buildings with two or more units, including rentals, apartment---1ype condominiums, and cooperatives $\qquad$ | 24916 | 10249 | 10757 | 3910 | 10 | 14 | 14 | 20 |
|  | 15510 | 9794 | 3868 | 1847 | 10 | 7 | 30 | 22 |
|  | 101699 | 75632 | 20789 | 5279 | 4 | 3 | 14 | 18 |
| Other commercial buildings such as stores, restaurants, and automobile service stations | 72891 | 38331 | 25728 | 8832 | 9 | 12 | 15 | 10 |
|  | 139038 | 82148 | 45503 | 11387 | 3 | 3 | 5 | 5 |
|  | 109674 | 58901 | 40707 | 10066 | 4 | 4 | 6 | 6 |
| Warehouses--- | 29364 | 23247 | 4796 | 1322 | 4 | 4 | 8 | 16 |
| Educational buildings -- | 57641 | 34024 | 18546 | 5070 |  | 10 | 9 | 20 |
| Hospitals and institutional buildings | 58031 | 37700 | 16992 | 3339 | 3 | 1 | 7 | 16 |
| Farm buildings, nonresidential --------------------- | 8357 | 4973 | 1917 | 1467 | 19 | 28 | 22 | 19 |
| Amusement, social, and recreational buildings, indoors Other nonresidential buildings | 8287 38226 | 6623 17913 | 593 18459 | 1072 1854 | ${ }_{7}^{6}$ | 6 8 | 12 6 | 24 19 |
|  |  |  |  |  |  |  |  |  |
| Nonbuilding construction--------------------------------------------------- | 237548 | 127617 | 82887 | 27044 | 3 | 4 | 5 | 11 |
| Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc. $\qquad$ | 41018 | 22929 | 9964 | 8125 | 9 | 12 | 6 | 26 |
|  | 7460 | 5293 | (D) | (D) | 25 | 30 | (D) | (D) |
| Recreational facilities -- | 6 549 | 4552 | ${ }^{564}$ | *1433 | 29 | 29 | 38 | 45 |
| Bridges, tunnels, and elevated highways | 23263 | 7341 | 14033 | 1889 | 9 | 20 | 11 | 12 |
| Power and communication transmission lines, towers, and related facilities_-- | 8001 | 5112 | (S) | *1873 | 25 | 26 | (S) | 63 |
|  | 42158 | 21892 | 13553 | 6714 | 11 | 12 | 14 | 23 |
| Sewers, sewer lines, septic systems, and related facilities --------------- | 27304 | 10516 | 11705 | 5084 | 14 | 16 | 15 | 28 |
|  | 14854 18067 | 11376 (S) | 1848 | 1630 | 10 | 10 | 13 | 12 |
| Other nonbuilding construction | 91031 | 58934 | 30246 | (S) | 5 | ( 5 | ( 9 | (S) |
| Construction work, n.s.k. | 92093 | (NA) | (NA) | (NA) | 16 | (NA) | (NA) | (NA) |
| 1987 |  |  |  |  |  |  |  |  |
| Value of construction work .-- | 1479576 | 998648 | 279516 | 105240 | 3 | 5 | 3 | 5 |
|  | 1130491 | 798618 | 243632 | 75420 | 4 | 6 | 4 | 6 |
| Single-family houses $\qquad$ | 505997 358755 | 379370 244214 | 85777 78248 | 40848 36293 | 5 5 | 7 | 7 | 8 |
| Single-family houses, detached $\qquad$ <br> Single-family houses, attached, including townhouses and townhouse-type | 358755 | 244214 | 78248 | 36293 | 5 |  |  |  |
|  | 147241 | 135156 | 7529 | 4555 | 12 | 13 | 10 | 18 |
| Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives | *93713 | *82 329 | 5529 | 5854 | 44 | 50 | 17 | 17 |
| Other residential buildings, including hotels, motels, and tourist cabins------- | 73188 | 54997 | 13609 | 4581 | 10 | 12 | 18 | 23 |
|  | 125331 | 88789 | 32451 | 4091 | 4 | 3 | 11 | 12 |
| Other commercial buildings such as stores, restaurants, and automobile service stations | 89361 | 51665 | 29336 | 8359 | 6 | 7 | 7 | 10 |
|  | 107193 | 77684 | 21743 | 7765 | 4 | 4 | 7 | 9 |
| Industrial buildings ----------- | 75998 | 51979 | 17653 | 6365 | 4 | 5 | 5 | 10 |
| Warehouses----- | 31194 | 25704 | 4090 | 1399 | 5 | 6 | 5 | 7 |
| Educational buildings.-. | 59414 | 34307 | 22556 | 2550 | 6 | 6 | 13 | 14 |
|  | 48550 | 22644 | 24811 | 1094 | 6 | 8 | 8 | 19 |
|  | 27744 | 15997 | 8148 | 3608 | 19 | 30 | 17 | 12 |
|  | 252915 | 190866 | 35556 | 26492 | 3 | 3 | 6 | 8 |
| Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc. | 39964 | 23704 | 12241 | 4018 | 6 | 6 | 6 | 19 |
|  | 45837 | 35280 | 5738 | 4818 | 6 | 4 | 14 | 13 |
| Sewers, sewer lines, septic systems, and related facilities--------------------------------- | 33013 | 24738 | 4941 | 3333 |  | 5 | 15 | 10 |
| Water mains and related facilities---------------------1-1- | 12833 | 10541 | (D) | (D) | 8 | 6 | (D) | (D) |
| Power plants $\qquad$ Other nonbuilding construction $\qquad$ | 22380 144734 | 19418 112464 | 16459 | ( ${ }^{\text {(D) }}$ | (NA) | (NA) ${ }^{4}$ | ( NA ( $)$ | ( D ( $)$ |
|  | 96169 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |

Note: Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992 . SIC 6552 is covered in the Census of Finance, Insurance, and Real Estate Industries.

# Table 9. Quarterly Construction Worker Employment for Establishments With Payroll by Industry: 1992 

| $\underset{\text { sIC }}{\text { code }}$ | Industry | Number of establishments | Average number of construction workers | Construction workers ${ }^{1}$ |  |  |  | Relative standard error of estimate (percent) for column- |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | January <br> to March | April <br> to June | to September $\begin{array}{r}\text { July }\end{array}$ | October <br> to December |  |  |  |  |  |  |
|  |  | A | B | c | D | E | F | A | B | c | D | E | F |
| $\begin{gathered} 15,16, \\ 17 \end{gathered}$ | Construction industries .------ | 2544 | 9186 | 7090 | 9164 | 10907 | 9585 | 1 | 2 | 3 | 2 | 2 | 2 |
| 15 | contractors and operative builders: <br> General contractors, residential buildings: <br> Single-family houses $\qquad$ <br> Other residential buildings $\qquad$ |  |  |  |  |  |  |  |  |  |  |  |  |
| 152 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 1521 \\ & 1522 \end{aligned}$ |  | 759 $* 11$ | 2063 $* 21$ | 1675 (S) | $\begin{array}{r} 2091 \\ (\mathrm{~S}) \end{array}$ | 2436 $* 32$ | $2051$ | 59 | 8 53 | (S) ${ }^{9}$ | (S) 8 | 7 5 | 7 54 |
| 1531 | Operative builders ------------------ | 60 | 71 | 61 | 79 | 84 | 59 | 25 | 22 | 21 | 21 | 24 | 22 |
| 154 | General contractors, nonresidential buildings: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1541 | Industrial buildings and warehouses | 11 | 229 | 238 | 228 | 204 | 246 | 26 | 5 | 5 | 5 | 6 | 5 |
| 1542 | Nonresidential buildings, n.-.-.-.----- | 122 | 1290 | 1132 | 1205 | 1411 | 1412 | 18 | 6 | 5 | 5 | 6 | 7 |
| 16 | Heavy construction other than building construction-contractors: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1611 | Highway and street construction.---- | 23 | 217 | 82 | 216 | 295 | 277 | 35 | 7 | 10 | 7 | 7 | 8 |
| $\begin{aligned} & 162 \\ & 1622 \end{aligned}$ | Heavy construction, except highway: <br> Bridge, tunnel, and elevated <br> highway construction | 13 | 216 | 88 | 220 | 300 | 255 | 26 | 17 | 21 | 18 | 15 | 16 |
| 1623 | Water, sewer, and utility lines ------ | 27 | 241 | 86 | 238 | 317 | 323 | 24 | 9 | 4 | 6 | 12 | 11 |
| 1629 | Heavy construction, n.e.c. --------- | 62 | 428 | 259 | 442 | 550 | 459 | 22 | 14 | 21 | 16 | 13 | 14 |
| 17 | Special trade contractors: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and airconditioning $\qquad$ | 261 | 769 | 720 | 816 | 791 | 747 | 4 | 8 | 8 | 8 | 8 | 9 |
| 1721 | Painting and paper hanging --------- | 139 | 362 | 214 | 383 | 533 | 317 | 7 | 13 | 17 | 15 | 12 | 13 |
| 1731 | Electrical work----------------------- <br> Masonry, stonework, tile setting, and plastering: Masonry, stone setting, and other stonework $\qquad$ <br> Plastering, drywall, and insulation work <br> Terrazzo, tile, marble, and mosaic work | 202 | 678 | 685 | 619 | 726 | 681 | 2 | 6 | 6 | 6 | 6 | 7 |
| 174 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1741 |  | 95 | 261 | 167 | 285 | 316 | 277 | 11 | 13 | 17 | 20 | 13 | 18 |
| 1742 |  | 24 | 137 | 112 | 101 | 173 | 162 | 37 | 18 | 20 | 21 | 19 | 19 |
| 1743 |  | *8 | (D) | (D) | (D) | 8 | (D) | 43 | (D) | (D) | (D) | (Z) | (D) |
| $\begin{aligned} & 175 \\ & 1751 \\ & 1752 \end{aligned}$ | Carpentry and floor work: <br> Carpentry $\qquad$ <br> Floor laying and other floor work .- | $\begin{array}{r}197 \\ 34 \\ \hline\end{array}$ | 378 65 | 275 69 | 349 68 | 421 64 | 467 59 | 22 | 14 23 | 12 33 | 12 22 | 13 24 | 16 25 |
| 1761 | Roofing, siding, and sheet metal work | 68 | 243 | (D) | 244 | (D) | 240 | 16 | 12 | (D) | 14 | (D) | 12 |
| 1771 | Concrete work----------------------- | 131 | 349 | 201 | 396 | 465 | 334 | 12 | 13 | 14 | 14 | 12 | 17 |
| 1781 | Water well drilling ------------------- | 27 | *213 | *196 | *211 | *226 | 221 | 31 | 41 | 43 | 43 | 40 | 38 |
| 179 1791 | Miscellaneous special trade contractors: | 5 | 45 | 45 | 35 | 47 | 54 |  |  |  |  |  |  |
| 1793 | Structural steel erection ---------------- | *15 | *50 | *43 | *41 | *62 | *54 | 53 | 45 | 47 | 49 | 43 | (Z) |
| 1794 | Excavation work --------------------- | 194 | 583 | 362 | 581 | 778 | 612 | 10 | 14 | 17 | 16 | 14 | 16 |
| 1795 | Wrecking and demolition work------ | (S) | (D) | (S) | (D) | (S) | (D) | (S) | (D) | (S) | (D) | (S) | (D) |
| 1796 1799 | Installing building equipment, <br> n.e.c. $\qquad$ <br> Special trade contractors, n.e.c. --- | +3 | 20 217 | (D) | r 22 | (D) | (D) | $\begin{aligned} & (\mathrm{Z}) \\ & \hline \end{aligned}$ | (Z) 19 | (D) | (Z) | (D) | (D) 21 |

[^14]Table 10. Selected Industry Ratios for Establishments With Payroll in This State: 1992
[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| $\underset{\text { code }}{\text { SIC }}$ | Industry | Average number of employees** per establishment | Payroll per employee $(\$ 1,000)$ | Value of construction work per construction worker $(\$ 1,000)$ | Average per dollar value of construction work |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | $\begin{array}{r} \text { Payroll, } \\ \text { all } \\ \text { employees } \end{array}$ | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted out to others | Value of construction work subcontracted in from others | Rental cost for machinery, equipment, and buildings |
| $\begin{gathered} 15,16 \\ 17 \end{gathered}$ | Construction industries -- | 4.7 | 20.3 | 130.3 | . 201 | . 326 | . 279 | .161 | . 015 |
| 15 | Building construction-General contractors and operative builders: |  |  |  |  |  |  |  |  |
| 152 1521 | General contractors, residential buildings: Single-family houses | 3.6 | 15.3 | 105.7 | . 190 | .364 | 240 |  | 007 |
| 1522 | Sther residential buildings----------------------------------------------------------- | *2.0 | 21.0 | 105.7 71.4 | . 309 | (D) | . 2477 | (S) | . 064 |
| 1531 | Operative builders | 2.7 | 20.8 | 557.2 | . 086 | . 518 | . 223 | (S) | *. 017 |
| $\begin{aligned} & 154 \\ & 1541 \end{aligned}$ | General contractors, nonresidential buildings: Industrial buildings and warehouses | 30.1 | 28.9 | (D) | (D) | (D) | (D) | (D) |  |
| 1542 | Nonresidential buildings, n.e.c.--------------- | 14.6 | 26.5 | 280.5 | . 131 | . 223 | . 542 | . 005 | . 010 |
| 16 | Heavy construction other than building constructioncontractors: |  |  |  |  |  |  |  |  |
| 1611 | Highway and street construction ----------------------------- | 11.7 | 27.2 | 144.5 | . 234 | . 540 | . 131 | . 367 | . 015 |
| 162 | Heavy construction, except highway: |  |  |  |  |  |  |  |  |
| 1622 | Bridge, tunnel, and elevated highway construction -------- | 19.8 | 22.5 | 106.9 | . 246 | .336 | . 229 | . 152 | . 006 |
| 1623 1629 | Water, sewer, and utility lines------------------------------------------------- | 10.4 8.7 | 24.9 20.0 | 102.3 | . 281 | .259 (D) | .177 (D) | .171 .096 | .035 $* .073$ |
| 17 | Special trade contractors: |  |  |  |  |  |  |  |  |
| 1711 | Plumbing, heating, and air-conditioning --------------------- | 4.1 | 22.2 | 117.0 | . 262 | . 395 | . 093 | . 529 | . 018 |
| 1721 | Painting and paper hanging ----------------------------------- | 3.0 | 15.0 | 44.8 | . 390 | . 258 | . 031 | . 569 | . 014 |
| 1731 | Electrical work | 4.4 | 22.1 | 83.9 | . 342 | .407 | . 027 | . 273 | . 011 |
| 174 | Masonry, stonework, tile setting, and plastering: |  |  |  |  |  |  |  |  |
| 1741 | Masonry, stone setting, and other stonework ------------- | 3.1 | 20.0 | 66.9 | . 339 | . 306 | . 024 | . 682 | . 006 |
| 1742 | Plastering, drywall, and insulation work | 6.9 | 22.6 | 78.1 | . 352 | . 425 | . 103 | . 787 | . 017 |
| 1743 | Terrazzo, tile, marble, and mosaic work | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 175 | Carpentry and floor work: |  |  |  |  |  |  |  |  |
| 1751 | Carpentry | 2.3 | 12.5 | 81.1 | . 185 |  | . 100 | . 174 |  |
| 1752 | Floor laying and other floor work------------------------------ | 2.4 | 14.3 | 78.8 | . 226 | (S) | (S) | . 380 | (S) |
| 1761 | Roofing, siding, and sheet metal work ----------------------- | 4.5 | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 1771 | Concrete work | 3.1 | 19.3 | 79.6 | . 287 | .448 | . 031 | . 556 | . 030 |
| 1781 | Water well drilling ------------------------------------------------ | 8.9 | 16.8 | 91.4 | . 209 | . 383 | *. 010 | *. 012 | . 023 |
| 179 | Miscellaneous special trade contractors: |  |  |  |  |  |  |  |  |
| 1791 | Structural steel erection------------------------------------- | 11.6 | 33.3 | 126.2 | . 340 | . 189 | . 039 | - | . 033 |
| 1793 | Glass and glazing work ---------------------------------------- | 4.2 | 20.3 | 92.9 | . 280 | . 641 | (D) | (D) | *. 017 |
| 1794 |  | 3.7 | 19.2 | 87.3 | . 271 | . 293 | . 034 | . 185 | . 024 |
| 1795 | Wrecking and demolition work --------------------------- | (D) | (D) | (D) | . 078 | . 501 | - | - | - |
| 1796 | Installing building equipment, n.e.c.----------------------------------- | 9.0 | 37.1 | (D) | (D) | (D) | (D) | (D) | (D) |
| 1799 | Special trade contractors, n.e.c. ------------------------------ | (D) | (D) | 93.0 | (D) | (D) | (D) | *. 436 | (D) |

Table 11. Selected Statistics for Establishments With Payroll for Selected Metropolitan
Areas: 1992
[Not applicable]

# Appendix A. Explanation of Terms 

## Construction. Is composed of three broad categories:

1. New construction. 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.
2. Additions, alterations, or reconstruction. Includes construction work which adds to the value or useful life of an existing building or structure, or which 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, which would be classified as maintenance and repair.
3. Maintenance and repair. Includes incidental construction work which keeps a property in ordinary working condition. Excluded are trash and snow removal, lawn maintenance and landscaping, and cleaning and janitorial services.
Number of establishments in business during year. Includes all establishments that were in business at any time during the year. It covers all full-year and part-year operations. Construction establishments which were inactive or idle for the entire year were not included.
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.
All employees. Comprises all full-time and part-time employees on the payrolls 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.

All employees is the sum of all employees during the pay periods including the 12th of March, May, August, and November, divided by 4.
Construction workers. Includes all 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 but are included in the "other employees" category.

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

Payroll. Includes the gross earnings paid in the calendar year 1992 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 such deductions 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.

Fringe benefits. Represents expenditures made by the employer during 1992 for legally required and voluntary fringe benefit programs for employees.

Legally required contributions. Includes Social Security contributions, unemployment compensation, worker's compensation, and State temporary disability payments.

Voluntary payments. Includes life insurance premiums, pension plans, insurance premiums on hospital and medical plans, welfare plans, and union negotiated benefits.

Dollar value of business done comprises the following detail:

Value of construction work done. Includes all value of construction work done during 1992 for construction work performed by general contractors and special trades contractors. Included is new construction, additions and alterations or reconstruction, and maintenance and repair construction work. Also included is 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 1992 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 such construction components 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 was the cost of industrial and other specialized machinery and equipment which are not an integral part of a structure.

Other business receipts. Includes business receipts not reported as value of construction work done. The item includes business receipts from retail and wholesale trade, rental of equipment, manufacturing, transportation, legal service, 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 was the value of construction work done and receipts from other business operations in foreign countries and non-operating income such as interest and dividends.

Net value of construction work. Derived for each establishment by subtracting the costs for construction work subcontracted out to others from the value of construction work done. (For a further explanation see "Duplication in Value of Construction Work" section in the Introduction.)

Value added. Derived for each establishment, value added is equal to dollar value of business done, less costs for construction work subcontracted out to others, and costs for materials, components, supplies, and fuels. (For a further explanation see "Duplication in Value of Construction Work" section in the Introduction.)

Selected costs. Represents 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.

Costs for materials, components, and supplies include:

- total costs to reporting establishments during 1992 for the purchase of all materials, components, and supplies, except fuels. (Supplies include expendable tools which are charged to current accounts.)
- freight and other direct charges representing only amount paid after discounts, and the value of materials, components, and supplies obtained from other establishments of the respondent's company.
- costs for materials, components, and supplies used by the reporting establishments in the construction or reconstruction of buildings/ structures for themselves which are chargeable to their fixed assets accounts, as well as costs for materials bought and resold to others.
- costs made for direct purchases of materials, components, and supplies even though the purchases were subsequently provided to subcontractors for their use.

Excluded from this item are:

- industrial and other specialized machinery and equipment such as printing presses and computer systems, which are not an integral part of a structure.
- materials furnished to contractors by the owners of projects.
Costs for construction work subcontracted out to others include:
- all costs during 1992 for construction work subcontracted out to other construction contractors.

Excluded from this item are:

- the 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."
- costs for the rental of machinery or equipment.

Costs for selected power, fuels, and lubricants include:

- costs for fuels, lubricants, and electric energy purchased during the year from other companies or received from other establishments of the company.
- costs for natural and manufactured gas, fuel oil, coal, and coke products.


## Rental costs for machinery, equipment, and buildings.

 Includes all costs during 1992 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 which, in effect, are conditional sales contracts such as capital leases. Such costs are included in "capital expenditures."Selected purchased services. Includes all costs during 1992 for communication 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
repair 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."

Assets and depreciation. Refers to the original cost of all fixed tangible assets such as buildings and other structures (offices and shops); stationary machinery (generators and shop equipment); mobile machinery (tractors and trucks); and other equipment (office furniture and fixtures). Not included are such items as current assets, depletable assets, intangible assets, and nondepreciable assets.

Data on assets and depreciation were collected separately for: (1) buildings and other structures, additions, and related facilities; and (2) machinery and equipment.

Respondents were also asked to report capitalized expenditures, depreciation charges, and the gross value of assets sold, retired, scrapped, and destroyed during 1992.

Capital expenditures. Refers to all costs actually incurred during 1992 which were or would be chargeable to the fixed assets accounts of the reporting establishments and which were of the type for which depreciation accounts are ordinarily maintained. These expenditures cover the acquisition, the construction, and the major alteration of the reporting establishment's own buildings and other structures, whether purchased, constructed under contract, or constructed by the reporting establishment's own forces; and the acquisition of machinery and equipment.

If leasing arrangements met the criteria set down by the Financial Accounting Standards Board (FASB) for a capital lease, respondents were instructed to report the original cost or market value of that equipment or building as a fixed asset and capital expenditure if acquired during 1992.

If capital expenditures were not recorded directly at the establishment level but handled centrally at the company or division level, respondents were requested to report appropriate estimates for the individual establishments.

Inventories. 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 built 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.

Ownership of construction projects. Shows the distribution of the value of construction work done by ownership of the project; that is, Government owned or privately owned. This classification relates to the ownership of the projects or work undertaken during the construction phase. Government owned projects are shown separately for Federal and State and local governments.

Value of construction work subcontracted in from others. Includes the value of construction work during 1992 for work done by reporting establishments as subcontractors. 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.

Types of construction. Provides data by the types of buildings, structures, or other facilities being constructed or worked on by construction establishments in 1992. 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. See the definition of "Construction" for the meanings of these terms.

## Building construction:

- Single-family houses, detached. Includes all 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 with two or more units, including rentals, apartment-type condominiums, and cooperatives. Includes high-rise, low-rise, or any structures containing two or more housing units other than attached single-family houses.
- Hotels, motels, and tourist cabins. Includes hotels, motels, bed and breakfast inns, and tourist cabins intended for transient accommodations. Also included are hotel and motel conference centers.
- Other residential buildings. Includes dormitories, fraternity and sorority houses, and other nonhousekeeping residential structures.
- Office buildings. Includes all buildings which are used primarily for office space or for government administrative offices. Also included are banks or financial buildings which are three stories or more. Medical office buildings are reported under hospitals and institutional buildings.
- Other commercial buildings, such as stores, restaurants, and automobile service stations. Includes all buildings which 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.
- Industrial buildings. Includes all industrial buildings and plants which 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 nonbuilding construction.
- Warehouses. Includes commercial warehouses, cold storage plants, grain elevators, mini-warehouses, and other such storage buildings.
- Religious buildings. Includes all buildings which are intended for religious services or functions such as churches, synagogues, convents, monasteries, and seminaries.
- Educational buildings. Includes all buildings which 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 which are not a part of a manufacturing or commercial establishment, are also included.
- Hospitals and institutional buildings. Includes medical office buildings and all other buildings which are intended to provide hospital and institutional care such as clinics, infirmaries, sanitariums, nursing homes, homes for the aged, and orphanages.
- Farm buildings, nonresidential. Includes nonresidential farm buildings such as barns, poultry houses, implement sheds, and farm silos.
- Amusement, social, and recreational buildings. Includes buildings which 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 nonresidential buildings. Includes nonresidential buildings which are not classified elsewhere such as fire stations, post offices, bus and air passenger terminals and hangars, and prisons.


## 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.
- Outdoor swimming pools. Includes wading pools and reflecting pools.
- 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.
- Fencing. Includes all types of fencing.
- Recreational facilities. Includes athletic fields, golf courses, outdoor tennis courts, trails, and camps.
- Tunnels. Includes highway, pedestrian, railroad, and water distribution tunnels.
- Bridges and elevated highways. Includes viaducts and overpasses, roads, highways, railroads, and causeways built on structural supports.
- Dam and reservoir construction. Includes hydroelectric, water supply, and flood control dams and reservoirs.
- Marine construction. Includes dredging, underwater rock removal, breakwaters, navigational channels, and locks.
- Harbor and port facilities. Includes docks, piers, and wharves.
- Conservation and development construction. Includes land reclamation, irrigation projects, drainage canals, levees, jetties, breakwaters, and flood control projects.
- 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.
- Sewers, sewerlines, 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 waterlines. Includes pipelines for the transmission of gas, petroleum products, and liquefied gases.
- Urban mass transit. Includes subways, trollies, 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.
- Blast furnaces, petroleum refineries, chemical complexes, etc. Includes coke ovens and mining appurtenances such as tipples and washeries.
- Power plants, nuclear. Includes atomic energy plants and nuclear reactors.
- Power plants, and cogeneration plants, except nuclear. Includes electric and steam generating plants and cogenerating plants.
- Sewage treatment plants. Includes sewage treatment and waste disposal plants.
- Water treatment plants. Includes water filtration and water softening plants.
- Ships. Includes special trade contractors working on ships and boats such as painters, carpenters, joiners, electricians, etc.
- Other nonbuilding construction. Includes all types of nonbuilding construction not included elsewhere.


# Appendix B. <br> Standard Industrial Classification Titles for Industry Groups and Industries 

| SIC |
| :--- | :--- | :--- | :--- |
| code |$\quad$| SIC |
| :--- |
| code |$\quad$ Industry titles | Industry titles |
| :--- |

## Appendix C. <br> Geographic Divisions and States

## NEW ENGLAND STATES

Connecticut
Maine
Massachusetts
New Hampshire
Rhode Island
Vermont

## MIDDLE ATLANTIC STATES

New Jersey
New York
Pennsylvania

## EAST NORTH CENTRAL STATES

Illinois
Indiana
Michigan
Ohio
Wisconsin

## WEST NORTH CENTRAL STATES

lowa
Kansas
Minnesota
Missouri
Nebraska
North Dakota
South Dakota

## SOUTH ATLANTIC STATES

Delaware
District of Columbia
Florida
Georgia
Maryland

SOUTH ATLANTIC STATES—Con.
North Carolina
South Carolina
Virginia
West Virginia

EAST SOUTH CENTRAL STATES
Alabama
Kentucky
Mississippi
Tennessee

WEST SOUTH CENTRAL STATES
Arkansas
Louisiana
Oklahoma
Texas

## MOUNTAIN STATES

Arizona
Colorado
Idaho
Montana
Nevada
New Mexico
Utah
Wyoming

PACIFIC STATES
Alaska
California
Hawaii
Oregon
Washington

## Appendix D． Metropolitan Areas

［Titles and definitions shown for MSA＇s，CMSA＇s，and PMSA＇s are those established by the Office of Management and Budget as of June 30，1993］

| Abilene，TX MSA <br> Taylor County，TX | Atlanta，GA MSA－Con． Carroll County，GA |
| :---: | :---: |
|  | Cherokee County，GA |
| Akron，OH PMSA－see Cleveland－Akron， OH CMSA | Clayton County，GA |
|  | Cobb County，GA |
| Albany，GA MSA | Coweta County，GA |
| Dougherty County，GA | DeKalb County，GA |
| Lee County，GA | Douglas County，GA |
| Albany－Schenectady－Troy，NY MSA | Forsyth County，GA |
| Albany County，NY | Fulton County，GA |
| Montgomery County，NY | Gwinnett County，GA |
| Rensselaer County，NY | Henry County，GA |
| Saratoga County，NY | Newton County，GA |
| Schenectady County，NY | Paulding County，GA |
| Schoharie County，NY | Pickens County，GA |
|  | Rockdale County，GA |
| Albuquerque，NM MSA | Spalding County，GA |
| Bernalillo County，NM <br> Sandoval County，NM | Walton County，GA |
| Valencia County，NM | Atlantic－Cape May，NJ PMSA－see |
| Alexandria，LA MSA | Philadelphia－Wilmington－Atlantic City， PA－NJ－DE－MD CMSA |
| Rapides Parish，LA | Augusta－Aiken，GA－SC MSA |
| Allentown－Bethlehem－Easton，PA MSA | Columbia County，GA |
| Carbon County，PA | McDuffie County，GA |
| Lehigh County，PA | Richmond County，GA |
| Northampton County，PA | Aiken County，SC |
| Altoona，PA MSA | Edgefield County，SC |
| Blair County，PA | Austin－San Marcos，TX MSA |
| Amarillo，TX MSA | Bastrop County，TX |
| Potter County，TX | Hays County，TX |
| Randall County，TX | Travis County，TX |
| Anchorage，AK MSA | Williamson County，TX |
| Anchorage Borough，AK | Bakersfield，CA MSA |
| Ann Arbor，MI PMSA－see Detroit－Ann | Kern County，CA |
| Arbor－Flint，MI CMSA | Baltimore，MD PMSA－see Washington－ |
| Anniston，AL MSA | Baltimore，DC－MD－VA－WV CMSA |
| Calhoun County，AL | Bangor，ME MSA |
| Appleton－Oshkosh－Neenah，WI MSA | Penobscot County，ME（part） |
| Calumet County，WI | Bangor city，ME |
| Outagamie County，WI | Brewer city，ME |
| Winnebago County，WI | Eddington town，ME |
|  | Glenburn town，ME |
| Asheville，NC MSA | Hampden town，ME |
| Buncombe County，NC | Hermon town，ME |
| Madison County，NC | Holden town，ME |
|  | Kenduskeag town，ME |
| Clarke County，GA | Milford town，ME |
| Madison County，GA | Old Town city，ME |
| Oconee County，GA | Orono town，ME |
| Atlanta，GA MSA | Penobscot Indian Island |
| Barrow County，GA | Reservation，ME |
| Bartow County，GA | Veazie town，ME |

Akron，OH PMSA－see Cleveland－Akron， OH CMSA

Dougherty County，GA
Lee County，GA
Albany－Schenectady－Troy，NY MSA
Abany County，NY
Montgomery County，NY
Saratoga County，NY
Schenectady County，NY
Schoharie County，NY
Albuquerque，NM MSA
Bernaliilo County，NM
Sandoval County，NM
Valencia County，NM

Rapides Parish，LA

Carbon County，PA
Lehigh County，PA
Northampton County，PA

Blair County，PA

Potter County，TX
Randall County，TX

Anchorage Borough，AK
Ann Arbor，MI PMSA－see Detroit－Ann

Calhoun County，AL

Calumet County，WI
Outagamie County，WI
Winnebago County，WI

Buncombe County，NC
Madison County，NC

Clarke County，GA
Madison County，GA
Oconee County，GA

Barrow County，GA
Bartow County，GA

Atlanta，GA MSA－Con．
Carroll County，GA
Cherokee County，GA
Clayton County，GA
Cobb County，GA
Douta County，GA
DeKalb County，GA
Fayette County，GA
Forsyth County，GA
位on County，GA
Gwinnett County，GA
nry County，GA
解 County，GA
Pickens County，GA
Rockdale County，GA
Spalding County，GA

Atlantic－Cape May，NJ PMSA－see
Aadelphia－Wilmington－Atlantic City，
PA－NJ－DE－MD CMSA

Columbia County，GA
McDuffie County，GA
转解mond County，GA
County，SC

Austin－San Marcos，TX MSA
Bastrop County，TX
Caldwell County，TX
Hays County，TX
Williamson County，TX
Bakersfield，CA MSA
Kern County，CA
Baltimore，MD PMSA－see Washington－
CMSA

Penobscot County，ME（part）
Bangor city，ME
Brewer city，ME
ddington town，ME
Glenburn town，ME
Hampden town，ME
Hermon town，ME
Kenduskeag town，ME
Milford town，ME
Old Town city，ME
Orono town，ME
Orrington town，ME
Reservation，ME
Veazie town，ME

Bangor，ME MSA－Con．
Waldo County，ME（part） Winterport town，ME

Barnstable－Yarmouth，MA MSA
Barnstable County，MA（part）
Barnstable city，MA
Brewster town，MA
Chatham town，MA Dennis town，MA
Eastham town，MA
Harwich town，MA
Mashpee town，MA
Orleans town，MA
Sandwich town，MA
Yarmouth town，MA
Baton Rouge，LA MSA
Ascension Parish，LA
East Baton Rouge Parish，LA
Livingston Parish，LA
West Baton Rouge Parish，LA
Beaumont－Port Arthur，TX MSA
Hardin County，TX
Jefferson County，TX
Orange County，TX
Bellingham，WA MSA
Whatcom County，WA
Benton Harbor，MI MSA
Berrien County，MI
Bergen－Passaic，NJ PMSA－see New
York－Northern New Jersey－Long Island，
NY－NJ－CT－PA CMSA
Billings，MT MSA
Yellowstone County，MT
Biloxi－Gulfport－Pascagoula，MS MSA
Hancock County，MS
Harrison County，MS
Jackson County，MS
Binghamton，NY MSA
Broome County，NY
Tioga County，NY
Birmingham，AL MSA
Blount County，AL
Jefferson County，AL
St．Clair County，AL
Shelby County，AL
Bismarck，ND MSA
Burleigh County，ND
Morton County，ND
Bloomington，IN MSA
Monroe County，IN
Bloomington-Normal, IL MSA
McLean County, IL
Boise City, ID MSA
Ada County, ID
Canyon County, ID
Boston, MA-NH PMSA-see Boston--
Worcester-Lawrence, MA-NH-ME-CT CMSA
Boston-Worcester-Lawrence, MA-NH-ME-CT
CMSA
Boston, MA-NH PMSA
Bristol County, MA (part)
Berkley town, MA
Dighton town, MA
Mansfield town, MA
Norton town, MA
Taunton city, MA
Essex County, MA (part)
Amesbury town, MA
Beverly city, MA
Danvers town, MA
Essex town, MA
Gloucester city, MA
Hamilton town, MA
lpswich town, MA
Lynn city, MA
Lynnfield town, MA
Manchester town, MA
Marblehead town, MA
Middleton town, MA
Nahant town, MA
Newbury town, MA
Newburyport city, MA
Peabody city, MA
Rockport town, MA
Rowley town, MA
Salem city, MA
Salisbury town, MA
Saugus town, MA
Swampscott town, MA
Topsfield town, MA
Wenham town, MA
Middlesex County, MA (part)
Acton town, MA
Arlington town, MA
Ashland town, MA
Ayer town, MA
Bedford town, MA
Belmont town, MA
Boxborough town, MA
Burlington town, MA
Cambridge city, MA
Carlisle town, MA
Concord town, MA
Everett city, MA
Framingham town, MA
Holliston town, MA
Hopkinton town, MA
Hudson town, MA
Lexington town, MA
Lincoln town, MA
Littleton town, MA
Malden city, MA
Marlborough city, MA
Maynard town, MA
Medford city, MA
Melrose city, MA
Natick town, MA
Newton city, MA
North Reading town, MA
Reading town, MA
Sherborn town, MA
Shirley town, MA
Somerville city, MA
Stoneham town, MA

Boston-Worcester-Lawrence, MA-NH-ME-CT CMSA-Con.
Boston, MA-NH PMSA-Con.
Middlesex County, MA (part)
Stow town, MA
Sudbury town, MA
Townsend town, MA
Wakefield town, MA
Waltham city, MA
Watertown city, MA
Wayland town, MA
Weston town, MA
Wilmington town, MA
Winchester town, MA
Woburn city, MA
Norfolk County, MA (part)
Bellingham town, MA
Braintree town, MA
Brookline town, MA
Canton town, MA
Cohasset town, MA
Dedham town, MA
Dover town, MA
Foxborough town, MA
Franklin city, MA
Holbrook town, MA
Medfield town, MA
Medway town, MA
Millis town, MA
Milton town, MA
Needham town, MA
Norfolk town, MA
Norwood town, MA
Plainville town, MA
Quincy city, MA
Randolph town, MA
Sharon town, MA
Stoughton town, MA
Walpole town, MA
Wellesley town, MA
Westwood town, MA
Weymouth town, MA
Wrentham town, MA
Plymouth County, MA (part)
Carver town, MA
Duxbury town, MA
Hanover town, MA
Hingham town, MA
Hull town, MA
Kingston town, MA
Marshfield town, MA
Norwell town, MA
Pembroke town, MA
Plymouth town, MA
Rockland town, MA
Scituate town, MA
Wareham town, MA
Suffolk County, MA
Boston city, MA
Chelsea city, MA
Revere city, MA
Winthrop town, MA
Worcester County, MA (part)
Berlin town, MA
Blackstone town, MA
Bolton town, MA
Harvard town, MA
Hopedale town, MA
Lancaster town, MA
Mendon town, MA
Milford town, MA
Millville town, MA
Southborough town, MA
Upton town, MA

Boston-Worcester-Lawrence, MA-NH-ME-CT CMSA-Con.
Boston, MA-NH PMSA-Con.
Rockingham County, NH (part)
Seabrook town, NH
South Hampton town, NH
Brockton, MA PMSA
Bristol County, MA (part)
Easton town, MA
Raynham town, MA
Norfolk County, MA (part)
Avon town, MA
Plymouth County, MA (part)
Abington town, MA
Bridgewater town, MA
Brockton city, MA
East Bridgewater town, MA
Halifax town, MA
Hanson town, MA
Lakeville town, MA
Middleborough town, MA
Plympton town, MA
West Bridgewater town, MA Whitman town, MA
Fitchburg-Leominster, MA PMSA
Middlesex County, MA (part) Ashby town, MA
Worcester County, MA (part)
Ashburnham town, MA
Fitchburg city, MA
Gardner city, MA
Leominster city, MA
Lunenburg town, MA
Templeton town, MA
Westminster town, MA
Winchendon town, MA
Lawrence, MA-NH PMSA
Essex County, MA (part)
Andover town, MA
Boxford town, MA
Georgetown town, MA
Groveland town, MA
Haverhill city, MA
Lawrence city, MA
Merrimac town, MA
Methuen city, MA
North Andover town, MA
West Newbury town, MA
Rockingham County, NH (part)
Atkinson town, NH
Chester town, NH
Danville town, NH
Derry town, NH
Fremont town, NH
Hampstead town, NH
Kingston town, NH
Newton town, NH
Plaistow town, NH Raymond town, NH Salem town, NH Sandown town, NH Windham town, NH
Lowell, MA-NH PMSA
Middlesex County, MA (part)
Billerica town, MA Chelmsford town, MA
Dracut town, MA Dunstable town, MA
Groton town, MA
Lowell city, MA
Pepperell town, MA
Tewksbury town, MA
Tyngsborough town, MA Westford town, MA
Hillsborough County, NH (part) Pelham town, NH

Boston-Worcester-Lawrence, MA-NH-ME-CT
CMSA-Con.
Manchester, NH PMSA
sborough County, NH (part)
Bedford town, NH
解own town, NH
Weare town, NH
errimack County, NH (part)
Allenstown town, NH
Hooksett town, NH
Auburn town, NH
Candia town, NH
Londonderry town, NH
Amherst town, NH
An okine town, NH
Hollis town, NH
Hudson town, NH
Litchfield town, NH
Mason town, NH
Milford town, NH
Mont Vernon town, NH
ashua city, NH
New Ipswich town, NH
Witon town, NH
New Bedford, MA PMSA
Acushet tom (MA
Dartmouth town, MA
Fairhaven town, MA
Freetown town, MA
New Bedford city, MA
促
Mattapoisett town, MA
Mattapoisett town, MA
Rochester town, MA
Portsmouth-Rochester, NH-ME PMSA
ork County, ME (part)
own, ME
littow, ME
South Berwick town, ME
York town, ME
Brentwood town, NH
East Kingston town, NH
Epping town, NH
Exeter town, NH
Greenland town, NH
Hampton town, NH
Hampton Falls town, NH
Kensington town, NH
Newfields town, NH
Newfields town, NH
town, NH
wmarket town, NH
, N
Rye town, NH
Stratham town, NH
County, NH (part
Barrington town, NH
ver city, NH
durham town, NH
解
Madbury town, NH
Milton town, NH
Rollinsford
Somersworth city, NH

Boston－Worcester－Lawrence，MA－NH－ME－CT
CMSA－Con．
Worcester，MA－CT PMSA
Windham County，CT（part）
Thompson town，CT
Hampden County，MA（part） Holland town，MA
Worcester County，MA（part）
Auburn town，MA
Barre town，MA
Boylston town，MA
Brookfield town，MA
Charlton town，MA
Clinton town，MA
Douglas town，MA
Dudley town，MA
East Brookfield town，MA
Grafton town，MA
Holden town，MA
Leicester town，MA
Millbury town，MA
Northborough town，MA
Northbridge town，MA
North Brookfield town，MA
Oakham town，MA
Oxford town，MA
Paxton town，MA
Princeton town，MA
Rutland town，MA
Shrewsbury town，MA
Southbridge town，MA
Spencer town，MA
Sterling town，MA
Sturbridge town，MA
Sutton town，MA
Uxbridge town，MA
Webster town，MA
Westborough town，MA
West Boylston town，MA
West Brookfield town，MA
Worcester city，MA
Boulder－Longmont，CO PMSA－see
Denver－Boulder－Greeley，CO CMSA
Brazoria，TX PMSA－see Houston－ Galveston－Brazoria，TX CMSA
Bremerton，WA PMSA－see Seattle－
Tacoma－Bremerton，WA CMSA
Bridgeport，CT PMSA－see New York－ Northern New Jersey－Long Island，NY－ NJ－CT－PA CMSA

Brockton，MA PMSA－see Boston－ Worcester－Lawrence，MA－NH－ME－CT CMSA
Brownsville－Harlingen－San Benito，TX MSA
Cameron County，TX
Bryan－College Station，TX MSA
Brazos County，TX
Buffalo－Niagara Falls，NY MSA
Erie County，NY
Niagara County，NY
Burlington，VT MSA
Chittenden County，VT（part）
Burlington city，VT
Charlotte town，VT
Colchester town，VT
Essex Junction village，VT
Essex town balance，VT
Hinesburg town，VT
Jericho town，VT
Jericho village，VT
Milton town，VT
Milton village，VT
Richmond town，VT
St．George town，VT
Shelburne town，VT

Burlington，VT MSA－Con．
Chittenden County，VT（part）－Con．
South Burlington city，VT
Williston town，VT Winooski city，VT
Franklin County，VT（part） Fairfax town，VT Georgia town，VT St．Albans city，VT St．Albans town，VT Swanton town，VT Swanton village，VT
Grand Isle County，VT（part） Grand Isle town，VT South Hero town，VT
Canton－Massillon，OH MSA
Carroll County，OH
Stark County，OH
Casper，WY MSA
Natrona County，WY
Cedar Rapids，IA MSA
Linn County，IA
Champaign－Urbana，IL MSA
Champaign County，IL
Charleston－North Charleston，SC MSA
Berkeley County，SC
Charleston County，SC
Dorchester County，SC
Charleston，WV MSA
Kanawha County，WV
Putnam County，WV
Charlotte－Gastonia－Rock Hill，NC－SC MSA
Cabarrus County，NC
Gaston County，NC
Lincoln County，NC
Mecklenburg County，NC
Rowan County，NC
Union County，NC
York County，SC
Charlottesville，VA MSA
Albemarle County，VA
Fluvanna County，VA
Greene County，VA
Charlottesville city，VA
Chattanooga，TN－GA MSA
Catoosa County，GA
Dade County，GA
Walker County，GA
Hamilton County，TN
Marion County，TN
Cheyenne，WY MSA
Laramie County，WY
Chicago，IL PMSA－see Chicago－Gary－
Kenosha，IL－IN－WI CMSA
Chicago－Gary－Kenosha，IL－IN－WI CMSA
Chicago，IL PMSA
Cook County，IL
DeKalb County，IL
DuPage County，IL
Grundy County，IL
Kane County，IL
Kendall County，IL
Lake County，IL
McHenry County，IL
Will County，IL
Gary，IN PMSA
Lake County，IN
Porter County，IN
Kankakee，IL PMSA
Kankakee County，IL

| Chicago-Gary-Kenosha, IL-IN-WI CMSA-Con. Kenosha, WI PMSA <br> Kenosha County, WI | Dallas-Fort Worth, TX CMSA Dallas, TX PMSA Collin County, TX |
| :---: | :---: |
|  | Dallas County, TX |
| Chico-Paradise, CA MSA <br> Butte County, CA | Denton County, TX Ellis County, TX |
| Cincinnati, OH-KY-IN PMSA-see Cincinnati-Hamilton, OH-KY-IN CMSA | Henderson County, TX Hunt County, TX |
| Cincinnati-Hamilton, OH-KY-IN CMSA Cincinnati, OH-KY-IN PMSA | Rockwall County, TX |
|  | Fort Worth-Arlington, TX PMSA |
| Dearborn County, IN | Hood County, TX |
| Ohio County, IN | Johnson County, TX |
| Boone County, KY | Parker County, TX |
| Campbell County, KY | Tarrant County, TX |
| Gallatin County, KY | Danbury, CT PMSA-see New York- |
| Grant County, KY | Northern New Jersey-Long Island, NY- |
| Kenton County, KY Pendleton County | NJ-CT-PA CMSA |
| Brown County, OH | Danville, VA MSA |
| Clermont County, OH | Pittsylvania County, VA |
| Hamilton County, OH | Danville city, VA |
| Warren County, OH |  |
| Hamilton-Middletown, OH PMSA | Davenport-Moline-Rock Island, IA-IL MSA |
| Butler County, OH | Henry County, IL |
| Clarksville-Hopkinsville, TN-KY MSA | Scott County, IA |
| Christian County, KY |  |
| Montgomery County, TN | Dayton-Springfield, OH MSA Clark County, OH |
| Cleveland-Lorain-Elyria, OH PMSA-see Cleveland-Akron, OH CMSA | Greene County, OH Miami County, OH |
|  | Montgomery County, OH |
| Cleveland-Akron, OH CMSA | Daytona Beach, FL MSA |
| Akron, OH PMSA | Flagler County, FL |
| Portage County, OH Summit County, OH | Volusia County, FL |
| Cleveland-Lorain-Elyria, OH PMSA | Decatur, AL MSA |
| Ashtabula County, OH | Lawrence County, AL |
| Cuyahoga County, OH | Morgan County, AL |
| Lake County, OH | Decatur, IL MSA |
| Lorain County, OH | Macon County, IL |
| Medina County, OH | Denver, CO PMSA-see Denver-Boulder- |
| Colorado Springs, CO MSA El Paso County, CO | Greeley, CO CMSA |
|  | Denver-Boulder-Greeley, CO CMSA |
| olumbia, MO MSA | Boulder-Longmont, CO PMSA |
| Boone County, MO | Boulder County, CO |
| Columbia, SC MSA | Denver, CO PMSA <br> Adams County, CO |
| Lexington County, SC | Arapahoe County, CO |
| Richland County, SC | Denver County, CO |
|  | Douglas County, CO |
| Columbus, GA-AL MSA | Jefferson County, CO |
| Russell County, AL | Greeley, CO PMSA |
| Chattahoochee County, GA | Weld County, CO |
| Harris County, GA | Des Moines, IA MSA |
| Muscogee County, GA | Des Moines, IA MSA <br> Dallas County, IA |
| Columbus, OH MSA | Polk County, IA |
| Delaware County, OH | Warren County, IA |
| Fairfield County, OH |  |
| Franklin County, OH | Arbor-Flint, MI CMSA |
| Licking County, OH |  |
| Madison County, OH | Detroit-Ann Arbor-Flint, MI CMSA |
| Pickaway County, OH | Ann Arbor, MI PMSA |
| Corpus Christi, TX MSA | Lenawee County, MI |
| Nueces County, TX | Livingston County, MI |
| San Patricio County, TX | Detroit, MI PMSA |
| Cumberland, MD-WV MSA | Lapeer County, MI |
| Allegany County, MD | Macomb County, MI |
| Mineral County, W | Monroe County, MI |
|  | Oakland County, MI |
| Dallas, TX PMSA-see Dallas-Fort Worth, TX CMSA | St. Clair County, MI |
|  | Wayne County, MI |

Chicago-Gary-Kenosha, IL-IN-WI CMSA-Con. PMSA
-Paradise, CA MSA
Butte County, CA
Cincinnati, OH-KY-IN PMSA-see Cincinnati-Hamilton, OH-KY-IN CMSA

Cincinnati-Hamilton, OH-KY-IN CMSA
Dearborn County, IN Ohio County, IN Boone County, KY Gallatin County KY Grant County, KY Kenton County, KY County OH Clermont County, OH Hamilton County, OH Warren County, OH Butler County, OH
Clarksville-Hopkinsville, TN-KY MSA Christian County, KY Montgomery County, TN

Cleveland-Lorain-Elyria, OH PMSA—see
Cleveland-Akron, OH CMSA

Akron, OH PMSA Portage County, OH Summit County, OH Ashtabula County, OH Cuyahoga County, OH Geauga County, OH ake County, OH Lorain County, OH Medina County, OH El Paso County, CO Boone County, MO Lexington County, SC Richland County, SC

Russell County, AL Chattahoochee County, GA
Harris County, GA Muscogee County, GA

Delaware County, OH Fairfield County, OH Franklin County, OH Madison County, OH Pickaway County, OH Nueces County, TX San Patricio County, TX

Allega, County, MD Allegany County, MD
llas, TX PMSA—see Dallas-Fort Worth TX CMSA

Dallas-Fort Worth, TX CMSA
las, TX PMSA
Collin County, TX

Denton County TX
Ellis County, TX
Henderson County, TX
Kauman County, TX Rockwall County, TX

Fort Worth-Arlington, TX PMSA
Hood County, TX
Johnson County, TX
Parker County, IX
Tarrant County, TX
ury, CT PMSA-see New YorkNorthern New Jersey-Long Island, NY-NJ-CT PA

Pittsylvania County, VA
Danville city, VA

Henry County, IL
Rock Island County, IL
Scott County, IA

Clark County, OH
Greene County, OH
Miami County, OH
Montgomery County, OH
Daytona Beach, FL MSA
Volusia County, FL

Decatur, AL MSA
Lawrence County, AL
Morgan County, AL

Macon County, IL
Denver, CO PMSA-see Denver-BoulderGreeley, CO CMSA
nver-Boulder-Greeley, CO CMSA
Boulder County, CO
ver, CO PMSA
Adams
Arapahoe County,
Douglas County, CO Jefferson County, CO
Greeley, CO PMSA Weld County, CO

Dallas County, IA
Polk County, IA
Warren County, IA
Detroit, MI PMSA—see Detroit-Ann
Arbor-Fint, MI CMSA

Ann Arbor, MI PMSA
Lenawee County, MI Livingston County, MI Washtenaw County, MI D, MI PMSA Lapeer County, MI Macomb County, MI Oakland County, MI St. Clair County, MI Wayne County, MI

Detroit-Ann Arbor-Flint, MI CMSA-Con. Flint, MI PMSA

Genesee County, MI
Dothan, AL MSA
Dale County, AL
Houston County, AL
Dover, DE MSA
Kent County, DE
Dubuque, IA MSA
Dubuque County, IA
Duluth-Superior, MN-WI MSA
St. Louis County, MN
Douglas County, WI
Dutchess County, NY PMSA-see New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA

Eau Claire, WI MSA
Chippewa County, WI
Eau Claire County, WI
El Paso, TX MSA
El Paso County, TX
Elkhart-Goshen, IN MSA Elkhart County, IN

Elmira, NY MSA
Chemung County, NY
Enid, OK MSA Garfield County, OK

Erie, PA MSA
Erie County, PA
Eugene-Springfield, OR MSA Lane County, OR
Evansville-Henderson, IN-KY MSA
Posey County, IN Vanderburgh County, IN Warrick County, IN Henderson County, KY
Fargo-Moorhead, ND-MN MSA
Clay County, MN
Cass County, ND
Fayetteville, NC MSA
Cumberland County, NC
Fayetteville-Springdale-Rogers, AR MSA Benton County, AR Washington County, AR

Fitchburg-Leominster, MA PMSA-see
Boston-Worcester-Lawrence, MA-NH-ME-CT CMSA

Flint, MI PMSA—see Detroit-Ann
Arbor-Flint, MI CMSA
Florence, AL MSA
Colbert County, AL
Lauderdale County, AL
Florence, SC MSA
Florence County, SC
Fort Collins-Loveland, CO MSA
Larimer County, CO
Fort Lauderdale, FL PMSA—see Miami-Fort Lauderdale, FL CMSA

Fort Myers-Cape Coral, FL MSA
Lee County, FL
Fort Pierce-Port St. Lucie, FL MSA
Martin County, FL
St. Lucie County, FL

| Fort Smith, AR-OK MSA | Hamilton-Middletown, OH PMSA-see |
| :---: | :---: |
| Crawford County, AR | Cincinnati-Hamilton, OH-KY-IN CMSA |
| Sebastian County, AR |  |
| Sequoyah County, OK | Harrisburg-Lebanon-Carlisle, PA MSA |
|  | Cumberland County, PA |
| Fort Walton Beach, FL MSA | Dauphin County, PA |
| Okaloosa County, FL | Lebanon County, PA |
|  | Perry County, PA |
| Adams County, IN | Hartford, CT MSA |
| Allen County, IN | Hartford County, CT (part) |
| De Kalb County, IN | Avon town, CT |
| Huntington County, IN | Berlin town, CT |
| Wells County, IN | Bloomfield town, CT |
| Whitley County, IN | Bristol city, CT |
| Fort Worth-Arlington, TX PMSA-see | Burlington town, CT |
| Dallas-Fort Worth, TX CMSA | Canton town, CT |
|  | East Granby town, CT |
| Fresno, CA MSA | East Hartford town, CT |
| Fresno County, CA | East Windsor town, CT |
| Madera County, CA | Enfield town, CT |
|  | Farmington town, CT |
| Gadsden, AL MSA | Glastonbury town, CT |
| Etowah County, AL | Granby town, CT |
| Gainesville, FL MSA | Hartford city, CT |
| Alachua County, FL | Manchester town, CT |
|  | Marlborough town, CT |
| Galveston-Texas City, TX PMSA-see | New Britain city, CT |
| Houston-Galveston-Brazoria, TX CMSA | Newington town, CT |
|  | Plainville town, CT |
| Gary, IN PMSA-see Chicago-Gary- | Rocky Hill town, CT |
| Kenosha, IL-IN-WI CMSA | Simsbury town, CT |
| Glens Falls, NY MSA | Southington town, CT |
| Warren County, NY | South Windsor town, CT |
| Washington County, NY | Suffield town, CT |
| Goldsboro, NC MSA | Wethersfield town, CT |
| Wayne County, NC | Windsor town, CT |
| Grand Forks, ND-MN MSA | Windsor Locks town, CT |
| Polk County, MN | Litchfield County, CT (part) |
| Grand Forks County, ND | Barkhamsted town, CT |
| Grand Rapids-Muskegon-Holland, MI MSA | Harwinton town, CT |
| Grand Rapids-Muskegon-Holland, MI MSA <br> Allegan County MI | New Hartford town, CT |
| Kent County, MI | Plymouth town, CT |
| Muskegon County, MI | Winchester town, CT |
| Ottawa County, MI | Middlesex County, CT (part) |
| eat Falls, MT MSA | Cromwell town, CT |
| Cascade County, MT | Durham town, CT |
| Greeley, CO PMSA-see Denver-Boulder- | East Hampton town, CT |
| Greeley, CO CMSA | Haddam town, CT |
|  | Middlefield town, CT |
| Green Bay, WI MSA | Middletown city, CT |
| Brown County, WI | Portland town, CT |
| Greensboro-Winston-Salem-High Point, NC MSA | New London County, CT (part) Colchester town, CT |
| Alamance County, NC | Lebanon town, CT |
| Davidson County, NC |  |
| Davie County, NC | Tolland County, CT (part) |
| Forsyth County, NC | Andover town, CT |
| Guilford County, NC | Bolton town, CT |
| Randolph County, NC | Columbia town, CT |
| Stokes County, NC | Coventry town, CT |
| Yadkin County, NC | Ellington town, CT |
| Greenville, NC MSA | Hebron town, CT |
| Pitt County, NC | Mansfield town, CT |
|  | Somers town, CT |
| Greenville-Spartanburg-Anderson, SC MSA | Stafford town, CT |
| Anderson County, SC | Tolland town, CT |
| Cherokee County, SC | Vernon town, CT |
| Greenville County, SC | Willington town, CT |
|  |  |
| Spartanburg County, SC | Windham County, CT (part) Ashford town, CT |
| Hagerstown, MD PMSA-see Washington- | Chaplin town, CT |
| Baltimore, DC-MD-VA-WV CMSA | Windham town, CT |

Hamilton-Middletown, OH PMSA-see
Cincinnati-Hamilton, OH-KY-IN CIISA

Dauphin County, PA
Dauphin County, PA
Perry County, PA
Hartford, CT MSA
CTounty, CT (part)
Avon town,
Bloomfield town, CT
Bristol city, CT
Burlington town, CT
East Granby town, CT
East Hartford town, CT
East Windsor town, CT
Earmingon
Gamington
Granby town, CT
Hartford city, CT
Manchester town, CT
Marlborough town, CT
Newington town CT
Plainville town, CT
Rocky Hill town, C
Simsbury town, CT
South Windsor town, CT
Suffield town, CT
West Hartford town, CT
Wethersfield town, CT
indsor town, CT
itchfield County, CT (part)
Barkhamsted town, CT
New Hartford town, CT
Plymouth town, CT
Winchester town, CT

Cromwell town, CT
Durham town, CT
East Haddam tow, CT
East Hampton town, CT
town, CT dalefield town, CT
Middletown city, CT
Portland town, CT

Colchester town, CT
Lebanon town, CT

Andover town, CT
Bolton town, CT
Columbia town, CT
Ellington town, CT
Hebron town, CT
Mansfield town, CT
Stafford tow, CT
Stafford town, CT
Vernon town, CT
Vernon town, CT

Windham County, CT (part)
Ashoplin tow,
Windham town, CT

Hickory-Morganton, NC MSA
Alexander County, NC
Burke County, NC
Caldwell County, NC
Catawba County, NC
Honolulu, HI MSA
Honolulu County, H
Houma, LA MSA
Lafourche Parish, LA Terrebonne Parish, LA

Houston, TX PMSA-see Houston-GalvestonBrazoria, TX CMSA

Houston-Galveston-Brazoria, TX CMSA
Brazoria, TX PMSA Brazoria County, TX
Galveston-Texas City, TX PMSA Galveston County, TX
Houston, TX PMSA
Chambers County, TX
Fort Bend County, TX
Harris County, TX Liberty County, TX Montgomery County, TX Waller County, TX

Huntington-Ashland, WV-KY-OH MSA
Boyd County, KY
Carter County, KY
Greenup County, KY Lawrence County, OH Cabell County, WV Wayne County, WV

Huntsville, AL MSA
Limestone County, AL Madison County, AL

Indianapolis, IN MSA
Boone County, IN Hamilton County, IN Hancock County, IN Hendricks County, IN Johnson County, IN Madison County, IN Marion County, IN Morgan County, IN Shelby County, IN

Iowa City, IA MSA
Johnson County, IA
Jackson, MI MSA
Jackson County, MI
Jackson, MS MSA
Hinds County, MS Madison County, MS Rankin County, MS

Jackson, TN MSA Madison County, TN

Jacksonville, FL MSA
Clay County, FL Duval County, FL Nassau County, FL St. Johns County, FL

Jacksonville, NC MSA
Onslow County, NC
Jamestown, NY MSA
Chautauqua County, NY
Janesville-Beloit, WI MSA
Rock County, WI

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Jersey City, NJ PMSA-see New York-
    Northern New Jersey-Long Island,
    NY-NJ-CT-PA CMSA
Johnson City-Kingsport-Bristol, TN-VA
    MSA
        Carter County, TN
        Hawkins County, TN
        Sullivan County, TN
        Unicoi County, TN
        Washington County, TN
        Scott County, VA
        Washington County, VA
        Bristol city, VA
Johnstown, PA MSA
    Cambria County, PA
    Somerset County, PA
Joplin, MO MSA
    Jasper County, MO
    Newton County, MO
Kalamazoo-Battle Creek, MI MSA
    Calhoun County, MI
    Kalamazoo County, MI
    Van Buren County, MI
Kankakee, IL PMSA-see Chicago-Gary-
    Kenosha, IL-IN-WI CMSA
Kansas City, MO-KS MSA
    Johnson County, KS
    Leavenworth County, KS
    Miami County, KS
    Wyandotte County, KS
    Cass County, MO
    Clay County, MO
    Clinton County, MO
    Jackson County, MO
    Lafayette County, MO
    Platte County,MO
    Ray County, MO
Kenosha, WI PMSA-see Chicago-Gary-
    Kenosha, IL-IN-WI CMSA
Killeen-Temple, TX MSA
    Bell County, TX
    Coryell County, TX
Knoxville, TN MSA
    Anderson County, TN
    Blount County, TN
    Knox County, TN
    Loudon County, TN
    Sevier County, TN
    Union County, TN
Kokomo, IN MSA
    Howard County, IN
    Tipton County, IN
La Crosse, WI-MN MSA
    Houston County, MN
    La Crosse County, WI
Lafayette, LA MSA
    Acadia Parish, LA
    Lafayette Parish, LA
    St. Landry Parish, LA
    St. Martin Parish, LA
Lafayette, IN MSA
    Clinton County, IN
    Tippecanoe County, IN
Lake Charles, LA MSA
    Calcasieu Parish, LA
Lakeland-Winter Haven, FL MSA
    Polk County, FL
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Lancaster, PA MSA
Lancaster County, PA
Lansing-East Lansing, MI MSA
Clinton County, MI
Eaton County, MI
Ingham County, MI
Laredo, TX MSA
Webb County, TX
Las Cruces, NM MSA
Dona Ana County, NM
Las Vegas, NV-AZ MSA
Mohave County, AZ
Clark County, NV
Nye County, NV
Lawrence, KS MSA
Douglas County, KS
Lawrence, MA-NH PMSA-see Boston-Worcester-Lawrence, MA-NH-ME-CT CMSA

Lawton, OK MSA
Comanche County, OK
Lewiston-Auburn, ME MSA
Androscoggin County, ME (part)
Auburn city, ME
Greene town, ME
Lewiston city, ME
Lisbon town, ME
Mechanic Falls town, ME
Poland town, ME Sabattus town, ME
Turner town, ME
Wales town, ME
Lexington, KY MSA
Bourbon County, KY
Clark County, KY
Fayette County, KY
Jessamine County, KY
Madison County, KY
Scott County, KY
Woodford County, KY
Lima, OH MSA
Allen County, OH
Auglaize County, OH
Lincoln, NE MSA
Lancaster County, NE
Little Rock-North Little Rock, AR MSA
Faulkner County, AR
Lonoke County, AR
Pulaski County, AR
Saline County, AR
Longview-Marshall, TX MSA
Gregg County, TX
Harrison County, TX
Upshur County, TX
Los Angeles-Riverside-Orange County, CA CMSA
Los Angeles-Long Beach, CA PMSA
Los Angeles County, CA
Orange County, CA PMSA Orange County, CA
Riverside-San Bernardino, CA PMSA
Riverside County, CA
San Bernardino County, CA
Ventura, CA PMSA
Ventura County, CA

Los Angeles-Long Beach, CA PMSA-see Los Angeles-Riverside-Orange County, CA CMSA

Louisville, KY-IN MSA
Clark County, IN
Floyd County, IN
Harrison County, IN
Scott County, IN
Bullitt County, KY Jefferson County, KY
Oldham County, KY
Lowell, MA-NH PMSA-see Boston-
Worcester-Lawrence, MA-NH-ME-CT CMSA
Lubbock, TX MSA
Lubbock County, TX
Lynchburg, VA MSA
Amherst County, VA
Bedford County, VA
Campbell County, VA
Bedford city, VA
Lynchburg city, VA
Macon, GA MSA
Bibb County, GA
Houston County, GA
Jones County, GA
Peach County, GA
Twiggs County, GA
Madison, WI MSA
Dane County, WI
Manchester, NH PMSA-see Boston-
Worcester-Lawrence, MA-NH-ME-CT CMSA
Mansfield, OH MSA
Crawford County, OH
Richland County, OH
McAllen-Edinburg-Mission, TX MSA
Hidalgo County, TX
Medford-Ashland, OR MSA Jackson County, OR
Melbourne-Titusville-Palm Bay, FL MSA
Brevard County, FL
Memphis, TN-AR-MS MSA
Crittenden County, AR
DeSoto County, MS
Fayette County, TN
Shelby County, TN
Tipton County, TN
Merced, CA MSA
Merced County, CA
Miami-Fort Lauderdale, FL CMSA
Fort Lauderdale, FL PMSA Broward County, FL
Miami, FL PMSA Dade County, FL

Miami, FL PMSA—see Miami-Fort
Lauderdale, FL CMSA
Middlesex-Somerset-Hunterdon, NJ
PMSA-see New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA
Milwaukee-Waukesha, WI PMSA-see
Milwaukee-Racine, WI CMSA
Milwaukee-Racine, WI CMSA
Milwaukee-Waukesha, WI PMSA
Milwaukee County, WI
Ozaukee County, WI
Washington County, WI Waukesha County, WI

| Milwaukee-Racine, WI CMSA-Con. Racine, WI PMSA Racine County, WI | New London-Norwich, CT-RI MSA-Con. <br> New London County, CT (part)-Con. Groton Long Point borough, CT |
| :---: | :---: |
| Minneapolis-St. Paul, MN-WI MSA | Jewett City borough, CT |
| Anoka County, MN | Lisbon town, CT |
| Carver County, MN | Montville town, CT |
| Chisago County, MN | New London city, CT |
| Dakota County, MN | North Stonington town, CT |
| Hennepin County, MN | Norwich city, CT |
| Isanti County, MN | Old Lyme town, CT |
| Ramsey County, MN | Preston town, CT |
| Scott County, MN | Salem town, CT |
| Sherburne County, MN | Sprague town, CT |
| Washington County, MN | Stonington borough, CT |
| Wright County, MN | Stonington town, CT |
| Pierce County, WI | Waterford town, CT |
| St. Croix County, WI | Windham County, CT (part) |
| Mobile, AL MSA | Canterbury town, CT |
| Baldwin County, AL | Plainfield town, CT |
| Mobile County, AL | Washington County, RI (part) Hopkinton town, RI |
| Modesto, CA MSA | Westerly town, RI |
| Stanislaus County, CA |  |
| Monmouth-Ocean, NJ PMSA-see New | Jefferson Parish, LA |
| York-Northern New Jersey-Long Island, | Orleans Parish, LA |
| NY-NJ-CT-PA CMSA | Plaquemines Parish, LA |
|  | St. Bernard Parish, LA |
| Monroe, LA MSA | St. Charles Parish, LA |
| Ouachita Parish, LA | St. James Parish, LA |
| Montgomery, AL MSA | St. John the Baptist Parish, LA |
| Autauga County, AL | St. Tammany Parish, LA |
| Elmore County, AL | New York, NY PMSA-see New York- |
| Montgomery County, AL | Northern New Jersey-Long Island, |
| Muncie, IN MSA | NY-NJ-CT-PA CMSA |
| Delaware County, IN | New York-Northern New Jersey-Long |
| Myrtle Beach, SC MSA | Island, NY-NJ-CT-PA CMSA |
| Horry County, SC | Bergen-Passaic, NJ PMSA |
|  | Bergen County, NJ |
| Naples, FL MSA | Passaic County, NJ |
| Collier County, FL | Bridgeport, CT PMSA |
|  | Fairfield County, CT (part) |
| Nashua, NH PMSA-see Boston- | Bridgeport city, CT |
| Worcester-Lawrence, MA-NH-ME-CT CMSA | Easton town, CT |
| Nashville, TN MSA | Fairfield town, CT |
| Cheatham County, TN | Monroe town, CT |
| Davidson County, TN | Shelton city, CT |
| Dickson County, TN | Stratford town, CT |
| Robertson County, TN | Trumbull town, CT |
| Rutherford County, TN | New Haven County, CT (part) |
| Sumner County, TN | Ansonia city, CT |
| Williamson County, TN | Beacon Falls town, CT Derby city, CT |
| Wilson County, TN | Milford city (balance), CT |
| Nassau-Suffolk, NY PMSA-see New | Oxford town, CT |
| York-Northern New Jersey-Long Island, | Seymour town, CT |
| NY-NJ-CT-PA CMSA | Woodmont borough, CT |
|  | Danbury, CT PMSA |
| New Bedford, MA PMSA-see Boston- | Fairfield County, CT (part) |
| Worcester-Lawrence, MA-NH-ME-CT CMSA | Bethel town, CT |
|  | Brookfield town, CT |
| New Haven-Meriden, CT PMSA-see New | Danbury city, CT |
| York-Northern New Jersey-Long Island, | New Fairfield town, CT |
|  | Newtown borough, CT |
| New London-Norwich, CT-RI MSA | Newtown town, CT |
| Middlesex County, CT (part) | Redding town, CT |
| Fenwick borough, CT | Ridgefield town, CT |
| Old Saybrook town, CT | Sherman town, CT |
| New London County, CT (part) | Litchfield County, CT (part) |
| Bozrah town, CT | Bridgewater town, CT |
| East Lyme town, CT | New Milford town, CT |
| Franklin town, CT | Roxbury town, CT |
| Griswold town balance, CT | Washington town, CT |
| Groton city, CT | Dutchess County, NY PMSA |
| Groton town balance, CT | Dutchess County, NY |

New London-Norwich, CT-RI MSA-Con.
New London County, CT (part)-Con.
Groton Long Point borough, CT
ther
town, C
Montville town, CT
New London city, CT
Norwich city, CT
Old Lyme town, CT
Preston town, CT
Salem town, CT
ague town, CT
Stonington borough,
Stonington town, CT
Waterford town, CT
Canterbury town, CT
Plainfield town, CT
(part)
Westerly town, R
New Orleans, LA MSA
Jeferson Parish, LA
Plaquemines Parish, LA
St. Bernard Parish, LA
St. Charles Parish, LA
St. James Parish, LA
St. John the Baptist Parish, LA
St. Tammany Parish, LA
New York, NY PMSA-see New York-
Northern New Jersey-Long Island,

New York-Northern New Jersey-Long
sland, NY-NJ-CT-PA CMSA
Bergen County, NJ
Passaic County, NJ
Fairfield County, CT (part)
Bridgeport city, C
on town, CT

Monroe town, CT
Shelton city, CT
Stratford town, CT
New Haven County, CT (part)
Ansonia city, CT
Derby city, CT
Milford city (balance), CT
Oxford town, CT
Seymour town, CT
Woodmont borough, CT
bury, CT PMSA
Bethel town, CT
Brookfield town, CT
Danbury city, CT
Newtown borough, CT
Newtown town, CT
Redding town, CT
Ridgefield town, CT
itchfield County, CT (part)
Bridgewater town, CT
Roxbury town, CT
Washington town, CT
Dutchess County, NY

New York-Northern New Jersey-Long
Island, NY-NJ-CT-PA CMSA-Con.
Jersey City, NJ PMSA
Hudson County, NJ
Middlesex-Somerset-Hunterdon, NJ PMSA
Hunterdon County, NJ
Middlesex County, NJ
Somerset County, NJ
Monmouth-Ocean, NJ PMSA
Monmouth County, NJ
Ocean County, NJ
Nassau-Suffolk, NY PMSA
Nassau County, NY
Suffolk County, NY
New Haven-Meriden, CT PMSA
Middlesex County, CT (part)
Clinton town, CT
Killingworth town, CT
New Haven County, CT (part)
Bethany town, CT
Branford town, CT
Cheshire town, CT
East Haven town, CT
Guilford town, CT
Hamden town, CT
Madison town, CT
Meriden city, CT
New Haven city, CT North Branford town, CT North Haven town, CT Orange town, CT Wallingford town, CT West Haven city, CT Woodbridge town, CT
New York, NY PMSA
Bronx County, NY
Kings County, NY
New York County, NY
Putnam County, NY
Queens County, NY
Richmond County, NY
Rockland County, NY Westchester County, NY
Newark, NJ PMSA
Essex County, NJ
Morris County, NJ
Sussex County, NJ
Union County, NJ
Warren County, NJ
Newburgh, NY-PA PMSA
Orange County, NY
Pike County, PA
Stamford-Norwalk, CT PMSA
Fairfield County, CT (part)
Darien town, CT
Greenwich town, CT
New Canaan town, CT
Norwalk city, CT
Stamford city, CT
Weston town, CT
Westport town, CT Wilton town, CT
Trenton, NJ PMSA
Mercer County, NJ
Waterbury, CT PMSA
Litchfield County, CT (part)
Bethlehem town, CT
Thomaston town, CT
Watertown town, CT
Woodbury town, CT
New Haven County, CT (part)
Middlebury town, CT
Naugatuck borough, CT
Prospect town, CT Southbury town, CT
Waterbury city, CT
Wolcott town, CT


Philadelphia, PA-NJ PMSA-see Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA

Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA
Atlantic-Cape May, NJ PMSA
Atlantic County, NJ
Cape May County, NJ
Philadelphia, PA-NJ PMSA
Burlington County, NJ
Camden County, NJ
Gloucester County, NJ
Salem County, NJ
Bucks County, PA
Chester County, PA
Delaware County, PA
Montgomery County, PA
Philadelphia County, PA
Vineland-Millville-Bridgeton, NJ PMSA
Cumberland County, NJ
IWilmington-Newark, DE-MD PMSA
New Castle County, DE Cecil County, MD

Phoenix-Mesa, AZ MSA
Maricopa County, AZ
Pinal County, AZ
Pine Bluff, AR MSA
Jefferson County, AR
Pittsburgh, PA MSA
Allegheny County, PA
Beaver County, PA
Butler County, PA
Fayette County, PA
Washington County, PA
Westmoreland County, PA
Pittsfield, MA MSA
Berkshire County, MA (part)
Adams town, MA
Cheshire town, MA
Dalton town, MA
Hinsdale town, MA
Lanesborough town, MA
Lee town, MA
Lenox town, MA
Pittsfield city, MA
Richmond town, MA
Stockbridge town, MA
Portland, ME MSA
Cumberland County, ME (part)
Cape Elizabeth town, ME
Casco town, ME
Cumberland town, ME
Falmouth town, ME
Freeport town, ME
Gorham town, ME
Gray town, ME
North Yarmouth town, ME
Portland city, ME
Raymond town, ME
Scarborough town, ME
South Portland city, ME
Standish town, ME
Westbrook city, ME
Windham town, ME
Yarmouth town, ME
York County, ME (part)
Buxton town, ME
Hollis town, ME
Limington town, ME
Old Orchard Beach town, ME

Portland-Vancouver, OR-WA PMSA-see
Portland-Salem, OR-WA CMSA

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Portland-Salem, OR-WA CMSA
    Portland-Vancouver, OR-WA PMSA
        Clackamas County, OR
        Columbia County, OR
        Multnomah County, OR
        Washington County, OR
        Yamhill County, OR
        Clark County, WA
    Salem, OR PMSA
        Marion County, OR
        Polk County, OR
    Portsmouth-Rochester, NH-ME PMSA-see
    Boston-Worcester-Lawrence,MA-NH-ME-CT
    CMSA
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Providence-Fall River-Warwick, RI-MA MSA
Bristol County, MA (part)
Attleboro city, MA
Fall River city, MA
North Attleborough town, MA
Rehoboth town, MA
Seekonk town, MA
Somerset town, MA
Swansea town, MA
Westport town, MA
Bristol County, RI
Barrington town, RI
Bristol town, RI
Warren town, RI
Kent County, RI
Coventry town, RI
East Greenwich town, RI
Warwick city, RI
West Greenwich town, RI
West Warwick town, RI
Newport County, RI (part)
Jamestown town, RI
Little Compton town, RI
Tiverton town, RI
Providence County, RI
Burrillville town, RI
Central Falls city, RI
Cranston city, RI
Cumberland town, RI
East Providence city, RI
Foster town, RI
Glocester town, RI
Johnston town, RI
Lincoln town, RI
North Providence town, RI
North Smithfield town, RI
Pawtucket city, RI
Providence city, RI
Scituate town, RI
Smithfield town, RI
Woonsocket city, RI
Washington County, RI (part)
Charlestown town, RI
Exeter town, RI
Narragansett town, RI
North Kingstown town, RI
Richmond town, RI
South Kingstown town, RI
Provo-Orem, UT MSA
Utah County, UT
Pueblo, CO MSA
Pueblo County, CO
Punta Gorda, FL MSA
Charlotte County, FL

Racine, WI PMSA-see Milwaukee-Racine, WI CMSA

Raleigh-Durham-Chapel Hill, NC MSA
Chatham County, NC
Durham County, NC
Franklin County, NC
Johnston County, NC
Orange County, NC
Wake County, NC
Rapid City, SD MSA
Pennington County, SD
Reading, PA MSA
Berks County, PA
Redding, CA MSA
Shasta County, CA
Reno, NV MSA
Washoe County, NV
Richland-Kennewick-Pasco, WA MSA
Benton County, WA
Franklin County, WA
Richmond-Petersburg, VA MSA
Charles City County, VA
Chesterfield County, VA
Dinwiddie County, VA
Goochland County, VA
Hanover County, VA
Henrico County, VA
New Kent County, VA
Powhatan County, VA
Prince George County, VA
Colonial Heights city, VA
Hopewell city, VA
Petersburg city, VA
Richmond city, VA
Riverside-San Bernardino, CA PMSA—see Los Angeles-Riverside-Orange County, CA CMSA

Roanoke, VA MSA
Botetourt County, VA
Roanoke County, VA
Roanoke city, VA
Salem city, VA
Rochester, MN MSA
Olmsted County, MN
Rochester, NY MSA
Genesee County, NY
Livingston County, NY
Monroe County, NY
Ontario County, NY
Orleans County, NY
Wayne County, NY
Rockford, IL MSA
Boone County, IL
Ogle County, IL
Winnebago County, IL
Rocky Mount, NC MSA
Edgecombe County, NC
Nash County, NC
Sacramento, CA PMSA—see SacramentoYolo, CA CMSA

Sacramento-Yolo, CA CMSA
Sacramento, CA PMSA
El Dorado County, CA
Placer County, CA
Sacramento County, CA
Yolo, CA PMSA
Yolo County, CA

Saginaw-Bay City-Midland, MI MSA
Bay County, MI
Midland County, MI
Saginaw County, MI
St. Cloud, MN MSA
Benton County, MN
Stearns County, MN
St. Joseph, MO MSA
Andrew County, MO
Buchanan County, MO
St. Louis, MO-IL MSA
Clinton County, IL
Jersey County, IL
Madison County, IL
Monroe County, IL
St. Clair County, IL
Franklin County, MO
Jefferson County, MO
Lincoln County, MO
St. Charles County, MO
St. Louis County, MO
Warren County, MO
St. Louis city, MO
Salem, OR PMSA-see Portland-Salem, OR-WA CMSA

Salinas, CA MSA
Monterey County, CA
Salt Lake City-Ogden, UT MSA
Davis County, UT
Salt Lake County, UT
Weber County, UT
San Angelo, TX MSA
Tom Green County, TX
San Antonio, TX MSA
Bexar County, TX
Comal County, TX
Guadalupe County, TX
Wilson County, TX
San Diego, CA MSA
San Diego County, CA
San Francisco, CA PMSA-see San
Francisco-Oakland-San Jose, CA CMSA
San Francisco-Oakland-San Jose, CA CMSA
Oakland, CA PMSA
Alameda County, CA
Contra Costa County, CA
San Francisco, CA PMSA
Marin County, CA
San Francisco County, CA
San Mateo County, CA
San Jose, CA PMSA
Santa Clara County, CA
Santa Cruz-Watsonville, CA PMSA
Santa Cruz County, CA
Santa Rosa, CA PMSA
Sonoma County, CA
Vallejo-Fairfield-Napa, CA PMSA
Napa County, CA
Solano County, CA
San Jose, CA PMSA-see San Francisco-Oakland-San Jose, CA CMSA

San Luis Obispo-Atascadero-Paso Robles, CA MSA

San Luis Obispo County, CA
Santa Barbara-Santa Maria-Lompoc, CA MSA

Santa Barbara County, CA

Santa Cruz-Watsonville, CA PMSA-see San
Francisco-Oakland-San Jose, CA CMSA

## Santa Fe, NM MSA

Los Alamos County, NM
Santa Fe County, NM
Santa Rosa, CA PMSA-see San Francisco-Oakland-San Jose, CA CMSA

Sarasota-Bradenton, FL MSA
Manatee County, FL
Sarasota County, FL
Savannah, GA MSA
Bryan County, GA
Chatham County, GA
Effingham County, GA
Scranton-Wilkes-Barre-Hazleton, PA MSA
Columbia County, PA
Lackawanna County, PA
Luzerne County, PA
Wyoming County, PA
Seattle-Bellevue-Everett, WA PMSA-see
Seattle-Tacoma-Bremerton, WA CMSA
Seattle-Tacoma-Bremerton, WA CMSA
Bremerton, WA PMSA Kitsap County, WA
Olympia, WA PMSA
Thurston County, WA
Seattle-Bellevue-Everett, WA PMSA Island County, WA King County, WA Snohomish County, WA
Tacoma, WA PMSA
Pierce County, WA
Sharon, PA MSA Mercer County, PA
Sheboygan, WI MSA Sheboygan County, WI
Sherman-Denison, TX MSA Grayson County, TX
Shreveport-Bossier City, LA MSA Bossier Parish, LA Caddo Parish, LA Webster Parish, LA

Sioux City, IA-NE MSA Woodbury County, IA Dakota County, NE
Sioux Falls, SD MSA Lincoln County, SD Minnehaha County, SD
South Bend, IN MSA
St. Joseph County, IN
Spokane, WA MSA Spokane County, WA
Springfield, IL MSA
Menard County, IL
Sangamon County, IL
Springfield, MO MSA
Christian County, MO
Greene County, MO
Webster County, MO
Springfield, MA MSA
Franklin County, MA (part) Sunderland town, MA
Hampden County, MA (part)
Agawam city, MA
Chicopee city, MA

| Springfield, MA MSA-Con. <br> Hampden County, MA (part)—Con. <br> East Longmeadow town, MA <br> Hampden town, MA <br> Holyoke city, MA <br> Longmeadow town, MA <br> Ludlow town, MA <br> Monson town, MA <br> Montgomery town, MA <br> Palmer town, MA <br> Russell town, MA <br> Southwick town, MA <br> Springfield city, MA <br> Westfield city, MA <br> West Springfield town, MA <br> Wilbraham town, MA <br> Hampshire County, MA (part) <br> Amherst town, MA <br> Belchertown town, MA <br> Easthampton town, MA <br> Granby town, MA <br> Hadley town, MA <br> Hatfield town, MA <br> Huntington town, MA <br> Northampton city, MA <br> Southampton town, MA <br> South Hadley town, MA <br> Ware town, MA <br> Williamsburg town, MA | Toledo, OH MSA <br> Fulton County, OH <br> Lucas County, OH <br> Wood County, OH <br> Topeka, KS MSA <br> Shawnee County, KS <br> Trenton, NJ PMSA-see New YorkNorthern New Jersey-Long Island, NY-NJ-CT-PA CMSA <br> Tucson, AZ MSA <br> Pima County, AZ <br> Tulsa, OK MSA <br> Creek County, OK <br> Osage County, OK <br> Rogers County, OK <br> Tulsa County, OK <br> Wagoner County, OK <br> Tuscaloosa, AL MSA <br> Tuscaloosa County, AL <br> Tyler, TX MSA <br> Smith County, TX <br> Utica-Rome, NY MSA <br> Herkimer County, NY <br> Oneida County, NY |
| :---: | :---: |
| Stamford-Norwalk, CT PMSA-see New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA <br> State College, PA MSA <br> Centre County, PA <br> Steubenville-Weirton, OH-WV MSA <br> Jefferson County, OH <br> Brooke County, WV <br> Hancock County, WV | Vallejo-Fairfield-Napa, CA PMSA-see San Francisco-Oakland-San Jose, CA CMSA <br> Ventura, CA PMSA-see Los Angeles-Riverside-Orange County, CA CMSA <br> Victoria, TX MSA <br> Victoria County, TX <br> Vineland-Millville-Bridgeton, NJ PMSA-see Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA |
| Stockton-Lodi, CA MSA San Joaquin County, CA | Visalia-Tulare-Porterville, CA MSA Tulare County, CA |
| Sumter, SC MSA Sumter County, SC | Waco, TX MSA <br> McLennan County, TX |
| Syracuse, NY MSA <br> Cayuga County, NY <br> Madison County, NY <br> Onondaga County, NY <br> Oswego County, NY | Washington, DC-MD-VA-WV PMSA-see Washington-Baltimore,DC-MD-VA-WVCMSA <br> Washington-Baltimore, DC-MD-VA-WV CMSA Baltimore, MD PMSA Anne Arundel County, MD |
| Tacoma, WA PMSA-see Seattle-TacomaBremerton, WA CMSA <br> Tallahassee, FL MSA <br> Gadsden County, FL <br> Leon County, FL | Baltimore County, MD <br> Carroll County, MD <br> Harford County, MD <br> Howard County, MD <br> Queen Anne's County, MD <br> Baltimore city, MD |
| Tampa-St. Petersburg-Clearwater, FL MSA Hernando County, FL Hillsborough County, FL Pasco County, FL Pinellas County, FL | Hagerstown, MD PMSA <br> Washington County, MD <br> Washington, DC-MD-VA-WV PMSA <br> District of Columbia, DC <br> Calvert County, MD <br> Charles County, MD |
| Terre Haute, IN MSA <br> Clay County, IN <br> Vermillion County, IN <br> Vigo County, IN | Frederick County, MD <br> Montgomery County, MD Prince George's County, MD Arlington County, VA |
| Texarkana, TX-Texarkana, AR MSA Miller County, AR Bowie County, TX | Clarke County, VA <br> Culpeper County, VA <br> Fairfax County, VA |

-Con
East Longmeadow town, MA

Holyoke city, MA
Longmeadow town, MA
dow town, MA
Montgomery town, MA
Palmer town, MA
lown, MA
Southwick town, MA
Westfield city, MA
West Springfield town, MA
ilbraham town, MA

Amherst town, MA
Belchertown town, MA
,
Granby town, MA
Hadley town, MA
Hatield town, MA
Northampton city, MA
Southampton town, MA
Hadey town, MA
Ware town, MA
Williamsburg town, MA
(amford-Norwalk, CT PMSA-see New York-Northern New Jersey-Long Island,

Centre County, PA

Jefferson County, OH
Brooke County, WV
Hancock County, WV

San Joaquin County, CA

Sumter County, SC

Cayuga County, NY
Madison County, NY
Onondaga County, NY

Tacoma, WA PMSA-see Seattle-TacomaBremerton, WA CMSA

Gadsden County, FL
Leon County, FL

Hernando County, FL
Cillsorough County, FL
Pasco County, FL

Haute, IN MSA
Vermillion County, IN
Vigo County, IN

Miller County, AR
Bowie County, TX

Toledo, OH MSA
Fulton County, OH
Lucas County, OH
Wood County, OH

Shawnee County, KS

NJ, Nee New York
Northern New Jersey-Long Island,

Tucson, AZ MSA
Pima County, AZ

Creek County, OK
age County, OK
Tulsa County, OK
Wagoner County, OK
Tuscaloosa, AL MSA
Tuscaloosa County, AL
Tyler, TX MSA
Smith County, TX
Utica-Rome, NY MSA
Herkimer County, NY
Oneida County, NY
Vallejo-Fairfield-Napa, CA PMSA—see San Francisco-Oakland-San Jose, CA CMSA

Ventura, CA PMSA-see Los Angeles-
Riverside-Orange County, CA CMSA
Victoria, TX MSA
Victoria County, TX
Vineland-Millville-Bridgeton, NJ PMSA-see Philadelphia-Wilmington-Atlantic City,
PA-NJ-DE-MD CMSA

Tulare County, CA
Waco, TX MSA
McLennan County, TX
Washington, DC-MD-VA-WV PMSA-see
Washington-Baltimore,DC-MD-VA-WVCMSA

Baltimore, MD PMSA
Anne Arundel County, MD
Baltimore County, MD
County, MD
County, MD
Queen Anne's County, MD
Baltimore city, MD
Washington County, MD
District of Columbia, DC
Calvert County, MD
Charles County, MD
ty, MD
Montgomery County, MD
Arlington County, VA
Culpeper County, VA
Fairfax County, VA

Washington-Baltimore,DC-MD-VA-WVCMSA -
Con.
Washington, DC-MD-VA-WV PMSA—Con.
Fauquier County, VA
King George County, VA
Loudoun County, VA
Prince William County, VA
Spotsylvania County, VA
Stafford County, VA
Warren County, VA
Alexandria city, VA
Fairfax city, VA
Falls Church city, VA
Fredericksburg city, VA
Manassas city, VA
Manassas Park city, VA
Berkeley County, WV
Jefferson County, WV
Waterbury, CT PMSA—see New York-
Northern New Jersey-Long Island,
NY-NJ-CT-PA CMSA
Waterloo-Cedar Falls, IA MSA
Black Hawk County, IA
Wausau, WI MSA
Marathon County, WI
West Palm Beach-Boca Raton, FL MSA
Palm Beach County, FL
Wheeling, WV-OH MSA
Belmont County, OH
Marshall County, WV Ohio County, WV

Wichita, KS MSA
Butler County, KS
Harvey County, KS
Sedgwick County, KS
Wichita Falls, TX MSA
Archer County, TX Wichita County, TX

Williamsport, PA MSA Lycoming County, PA
Wilmington-Newark, DE-MD PMSA-see Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA

Wilmington, NC MSA Brunswick County, NC New Hanover County, NC

Worcester, MA-CT PMSA-see Boston-
Worcester-Lawrence, MA-NH-ME-CT CMSA
Yakima, WA MSA
Yakima County, WA
Yolo, CA PMSA—see Sacramento-Yolo, CA CMSA

York, PA MSA
York County, PA
Youngstown-Warren, OH MSA
Columbiana County, OH
Mahoning County, OH
Trumbull County, OH
Yuba City, CA MSA
Sutter County, CA
Yuba County, CA
Yuma, AZ MSA
Yuma County, AZ

## Publication Program

## 1992 CENSUS OF CONSTRUCTION INDUSTRIES

The Census of Construction Industries is taken once every 5 years. The census covers all establishments engaged in construction, including:

- Building contractors
- Heavy construction contractors
- Special trade contractors (including plumbers, carpenters, painters, electricians)

Data products in the census of construction industries are issued in four publication series and in three media:

- Printed reports [P]
- CD-ROM [C]
- Highlights online [+ ]


## Preliminary Industry Series (CC92-I-1(P) to -27(P))

(Available July 1994 through January 1995) [P] [C]
Twenty-six separate industry reports and a U.S. summary report, providing national statistics for establishments with payroll. Statistics shown for 1992 include:

- Number of establishments
- Number of employees
- Payroll
- Value of construction work done, by type of structure
- Selected operating costs


## Final Industry Series

(CC92-I-1 to -27)
(Available April 1995 through January 1996) [P] [C] [+ ]
Twenty-six separate industry reports and a U.S. summary report, providing statistics for the Nation and individual States on establishments with payroll. These reports update figures from the preliminary industry series (employment, payroll, value of construction, etc.) and provide measures of the following:

- Capital expenditures
- Inventories
- Industry profiles
- Assets
- Depreciation
- And much more


## Geographic Area Series <br> (CC92-A-1 to -10)

(Available March 1996 through May 1996) [P] [C] [+ ]
Nine reports on the construction industries, representing each census geographic division, and a U.S. summary report. Regional reports provide detailed data for States and metropolitan areas.

## Subject Report—Legal Form of Organization and Type of Operation (CC92-S-1)

(Available November 1995) [P] [C]
One report providing selected national statistics for each industry by legal form of organization and type of operation. This report includes data for establishments with and without payroll. Data in this report include-

- Employment
- Payroll
- Value of construction work done
- Selected operating costs


## OTHER ECONOMIC CENSUS REPORTS

The census of construction industries is part of the 1992 Economic Census. The economic census is conducted at 5 -year intervals in years ending in 2 and 7 and consists of eight separate censuses:

- Census of Retail Trade
- Census of Wholesale Trade
- Census of Service Industries
- Census of Financial, Insurance, and Real Estate Industries
- Census of Transportation, Communications, and Utilities
- Census of Manufactures
- Census of Mineral Industries
- Census of Construction Industries
...plus several related programs: enterprise statistics; information on minority-owned and women-owned businesses; and the census of outlying areas, including separate economic census of Puerto Rico and other outlying areas. The census of agriculture and census of governments are conducted separately.


## HOW TO ORDER DATA PRODUCTS

Order forms for the specific reports and other data products may be obtained from Data User Services Division, Customer Services, Bureau of the Census, Washington, DC 20233-8300. If you have any questions, call Census Customer Services 1-301-457-4100.


[^0]:    ${ }^{1}$ Standard Industrial Classification Manual: 1987. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Stock No. 041-001-00314-2.

[^1]:    Note: Data for 1987 and earlier years are also available in some of these tables.
    ${ }^{1}$ CMSA—Consolidated metropolitan statistical area; PMSA—Primary metropolitan statistical area; MSA—Metropolitan statistical area.
    ${ }^{2}$ Type—buildings, roads, etc. Class—new construction; additions, alterations, or reconstruction; or maintenance and repair work.

[^2]:    ${ }^{1}$ Standard Industrial Classification Manual: 1987. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Stock No. 041-001-00314-2.

[^3]:    ${ }^{1}$ Construction workers during pay periods including 12th of March, May, August, and November.

[^4]:    ${ }^{1}$ Standard Industrial Classification Manual: 1987. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Stock No. 041-001-00314-2.

[^5]:    ${ }^{1}$ Construction workers during pay periods including 12th of March, May, August, and November.

[^6]:    ${ }^{1}$ Standard Industrial Classification Manual: 1987. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Stock No. 041-001-00314-2.

[^7]:    ${ }^{1}$ Construction workers during pay periods including 12th of March, May, August, and November.

[^8]:    ${ }^{1}$ Standard Industrial Classification Manual: 1987. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Stock No. 041-001-00314-2.

[^9]:    ${ }^{1}$ Construction workers during pay periods including 12th of March, May, August, and November.

[^10]:    ${ }^{1}$ Standard Industrial Classification Manual: 1987. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Stock No. 041-001-00314-2.

[^11]:    ${ }^{1}$ Construction workers during pay periods including 12th of March, May, August, and November.

[^12]:    -- Not applicable for this report.

[^13]:    ${ }^{1}$ Standard Industrial Classification Manual: 1987. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Stock No. 041-001-00314-2.

[^14]:    ${ }^{1}$ Construction workers during pay periods including 12th of March, May, August, and November.

