

# 1992

## Census of Construction Industries

---

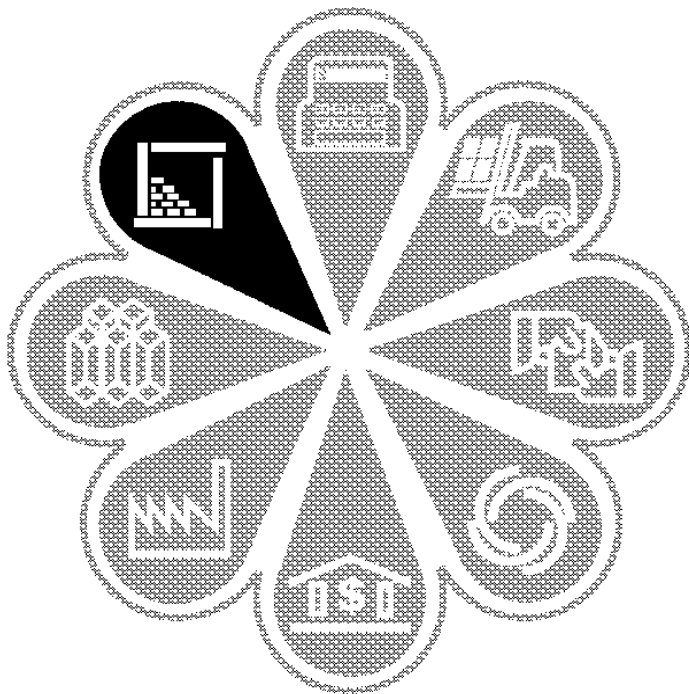
CC92-A-1

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.**

# 1992 Census of Construction Industries

---

CC92-A-1

GEOGRAPHIC AREA SERIES

## New England States

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

---

Issued April 1996



**U.S. Department of Commerce**  
**Mary L. Good**, Acting Secretary

**Economics and Statistics Administration**  
**Everett M. Ehrlich**, Under Secretary  
for Economic Affairs

**BUREAU OF THE CENSUS**  
**Martha Farnsworth Riche**, Director

---



**Economics and Statistics  
Administration**

**Everett M. Ehrlich**, Under Secretary  
for Economic Affairs



**BUREAU OF THE CENSUS**

**Martha Farnsworth Riche**, Director  
**Bryant Benton**, Deputy Director

**Paula J. Schneider**, Principal Associate  
Director for Programs

**Frederick T. Knickerbocker**, Associate  
Director for Economic Programs

**Thomas L. Mesenbourg**, Assistant Director  
for Economic Programs

**ECONOMIC PLANNING AND COORDINATION  
DIVISION**

**John P. Govoni**, Chief

**MANUFACTURING AND CONSTRUCTION DIVISION**

**David W. Cartwright**, Chief

# Contents

## New England States

	Page
Introduction to the Economic Census .....	IV
Census of Construction .....	VI
Users' Guide for Locating Statistics in This Report by Table Number .....	XI
Map—Regions and Census Divisions of the United States .....	XIII
 <b>STATES</b>	
Connecticut .....	CT-1
Maine .....	ME-1
Massachusetts .....	MA-1
New Hampshire .....	NH-1
Rhode Island .....	RI-1
Vermont .....	VT-1
 <b>APPENDIXES</b>	
A. Explanation of Terms .....	A-1
B. Standard Industrial Classification Titles for Industry Groups and Industries .....	B-1
C. Geographic Divisions and States .....	C-1
D. Metropolitan Areas .....	D-1
 Publication Program .....	
	Inside back cover

# 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

## IV INTRODUCTION

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*<sup>1</sup> (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.

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

<sup>1</sup>*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.



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 single-establishment 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 four-digit 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 four-digit 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:

$$x'_c = \sum_{i=1}^{n_c} x_i / p_i$$

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 questionnaires 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 construction-related 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:

- \* 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.
- † Represents value of construction work less costs for construction work subcontracted to others. (See Duplication in Value of Construction Work.)
- †† 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.
- (S) Withheld because estimate did not meet publication standards on the basis of either the response rate, associated relative standard error, or a consistency review.
- (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 <sup>1</sup>
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 year—buildings, 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 . . . . .					
	3				
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 . . . . .	1				
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				

See footnotes at end of table.

Statistics	By State	By industry	By employment size	By size class of dollar value of business done	By CMSA, PMSA, and MSA <sup>1</sup>
Receipts and value:—Con.					
Net value of construction work . . . . .	2, 3	2	6	7	11
Value added . . . . .	2, 3	2	6	7	11
Rental costs:					
Total . . . . .	2, 3	2	6	7	
For machinery and equipment . . . . .	3				
For buildings . . . . .	3				
Repairs to buildings and other structures . . . . .	3				
Repairs to machinery and equipment . . . . .	3				
Subcontract work to others, costs for . . . . .	2, 3	2	6	7	11
Type and class of construction <sup>2</sup> . . . . .	8				

Note: Data for 1987 and earlier years are also available in some of these tables.

<sup>1</sup>CMSA—Consolidated metropolitan statistical area; PMSA—Primary metropolitan statistical area; MSA—Metropolitan statistical area.

<sup>2</sup>Type—buildings, roads, etc. Class—new construction; additions, alterations, or reconstruction; or maintenance and repair work.



# Contents

## Connecticut

[Page numbers listed here omit the prefix that appears as part of the number of each page]

	Page
Summary of Findings .....	2

### FIGURES

1. Value of Construction Work by Type of Construction .....	3
2. Selected Costs per Dollar Value of Business Done .....	3

### TABLES

#### Statistics for Establishments With and Without Payroll

1. Summary Statistics by Industry: 1992 and 1987 .....	5
--	---

#### Statistics for Establishments With Payroll

2. General Statistics by Industry: 1992 and 1987 .....	6
3. Detailed Statistics: 1992 and Earlier Census Years .....	8
4. Assets, Capital Expenditures, and Depreciation: 1992 and 1987 .....	9
5. Value of Inventories: 1992 and 1991 .....	9
6. Selected Statistics by Employment Size Class: 1992 and 1987 .....	10
7. Selected Statistics by Size Class of Dollar Value of Business Done: 1992 and 1987 .....	10
8. Value of Construction Work by Type of Construction: 1992 and 1987 .....	11
9. Quarterly Construction Worker Employment by Industry: 1992 .....	12
10. Selected Industry Ratios in This State: 1992 .....	13
11. Selected Statistics for Selected Metropolitan Areas: 1992 .....	14



## 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*.<sup>1</sup> 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,

<sup>1</sup>*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.

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)

1992   
1987 

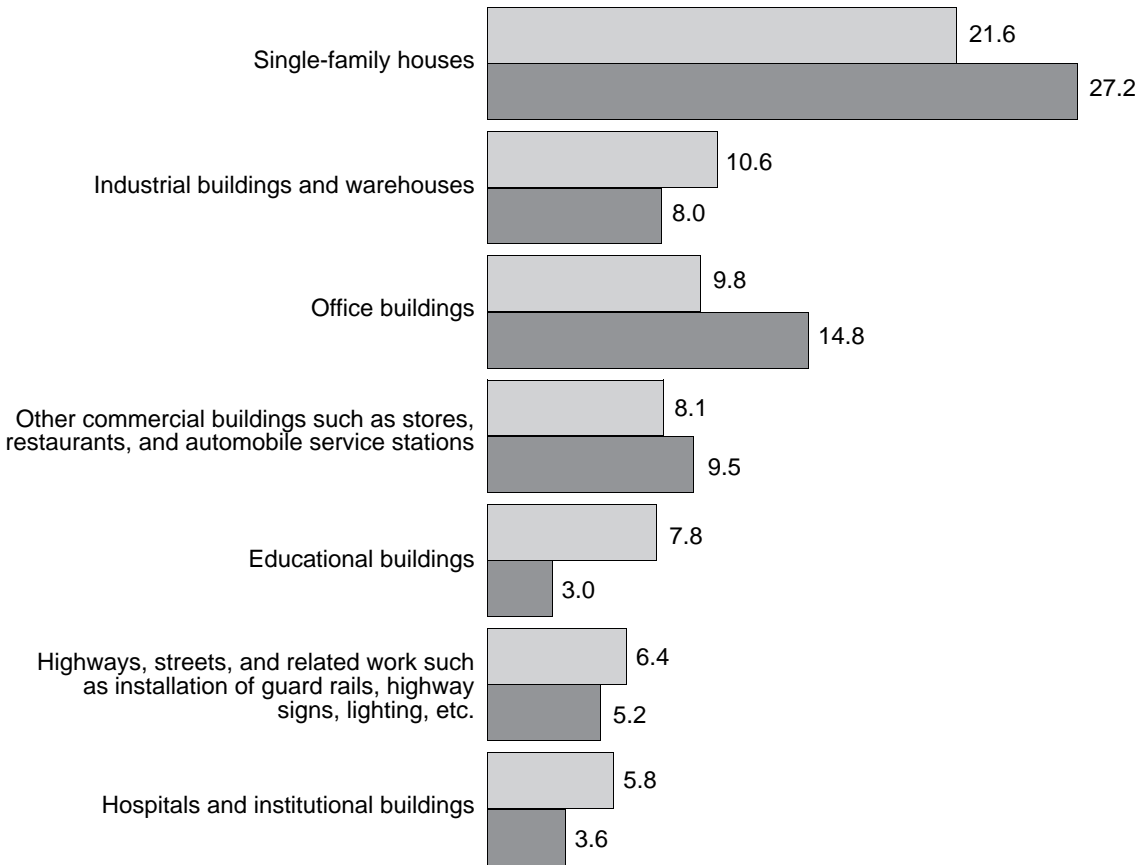


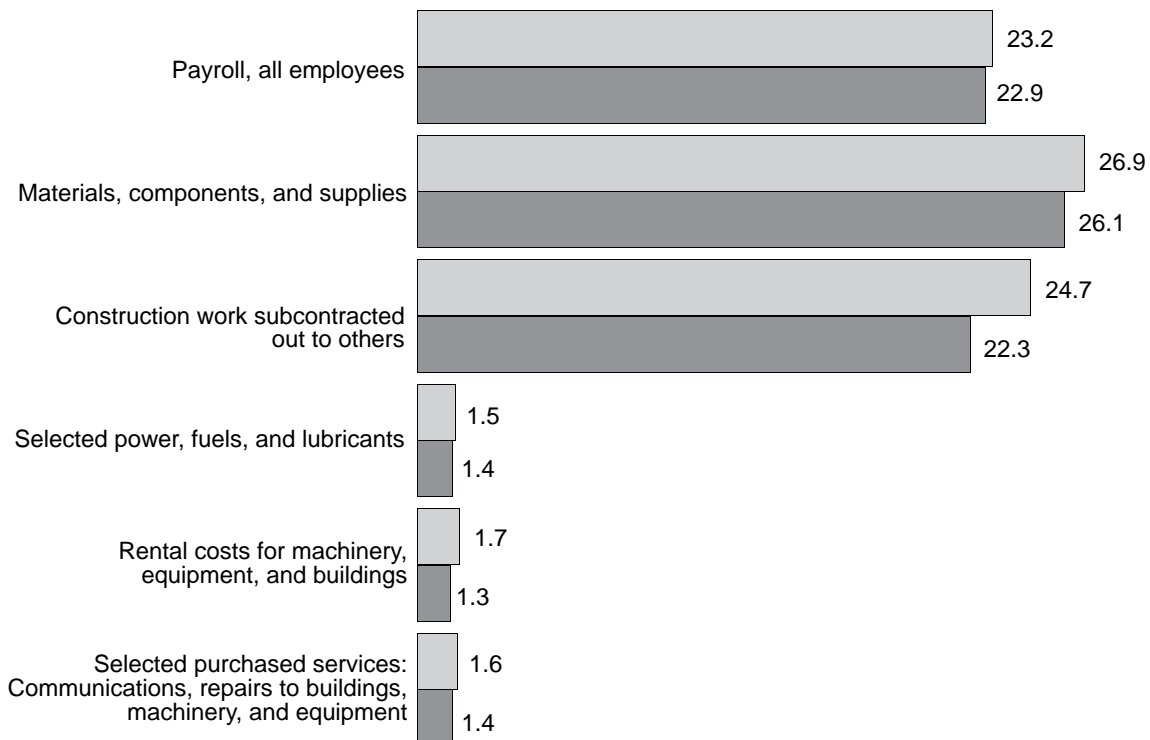


Figure 2. **Selected Costs per Dollar Value of Business Done**  
(Percent)

1992   
1987 



**Table 1. Summary Statistics for Establishments With and Without 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]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column— J K	
		Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done <sup>1</sup>	Number	Proprietors and working partners	All employees**	Dollar value of business done		
		A	B	C	D	E	F	G	H	I	J	K		
<b>1992</b>														
15, 16, 17	Construction industries -----	29 958	23 376	55 314	8 121 558	21 130	20 638	869 549	8 828	2 738	55 314	7 252 009	1	1
15	Building construction—General contractors and operative builders ----	5 715	3 469	11 560	2 884 643	3 283	2 839	330 626	2 432	630	11 560	2 554 017	2	2
16	Heavy construction other than building construction—contractors -----	644	245	9 982	1 588 452	186	166	8 461	458	79	9 982	1 579 991	1	1
17	Special trade contractors -----	23 599	19 662	33 772	3 648 463	17 661	17 633	530 462	5 938	2 029	33 772	3 118 001	1	1
1711	Plumbing, heating, and air-conditioning --	2 608	1 631	7 665	861 643	1 372	1 363	54 952	1 236	268	7 665	806 691	3	2
1731	Electrical work -----	2 416	1 606	6 009	611 739	1 412	1 350	36 950	1 004	(S)	6 009	574 789	2	2
<b>1987</b>														
15, 16, 17	Construction industries <sup>2</sup> -----	34 081	25 401	89 494	12 021 367	23 326	23 014	2 111 457	10 755	2 387	89 494	9 909 910	1	1
15	Building construction—General contractors and operative builders ----	7 492	4 386	25 587	5 237 886	4 297	3 765	706 501	3 195	621	25 587	4 531 385	2	2
16	Heavy construction other than building construction—contractors -----	731	240	12 698	1 367 265	152	144	21 398	579	96	12 698	1 345 867	2	1
17	Special trade contractors -----	24 796	19 802	50 352	4 710 338	18 005	18 179	790 069	6 791	1 623	50 352	3 920 269	1	1
1711	Plumbing, heating, and air-conditioning --	2 536	1 487	11 107	1 030 821	1 251	1 242	73 137	1 285	245	11 107	957 684	2	2
1731	Electrical work -----	2 085	1 243	8 534	692 060	1 068	1 067	45 609	1 017	176	8 534	646 451	2	2

<sup>1</sup>For 1992, nonemployer records showing revenues greater than \$1 million were excluded. See Introduction text.

<sup>2</sup>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]

SIC code	Industry	1992							
		Number of establishments	Employees**		Payroll		Value of construction work	Net value of construction work†	Value added††
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
<b>15, 16, 17</b>	<b>Construction industries<sup>1</sup></b> .....	<b>8 828</b>	<b>55 314</b>	<b>41 211</b>	<b>1 679 071</b>	<b>1 139 678</b>	<b>7 142 704</b>	<b>5 351 737</b>	<b>3 399 181</b>
<b>15</b>	<b>Building construction—General contractors and operative builders:</b>								
152	General contractors, residential buildings:								
1521	Single-family houses .....	1 646	5 149	3 717	112 452	74 816	628 974	449 255	237 053
1522	Other residential buildings .....	69	276	216	6 373	3 840	49 096	27 541	14 235
1531	Operative builders .....	230	997	519	28 882	12 392	285 748	196 161	131 226
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses .....	73	721	504	22 798	12 903	237 991	100 524	74 116
1542	Nonresidential buildings, n.e.c. ....	414	4 419	2 844	160 790	91 627	1 314 341	469 475	246 816
<b>16</b>	<b>Heavy construction other than building construction—contractors:</b>								
1611	Highway and street construction .....	163	2 985	2 375	103 029	75 596	470 350	380 721	185 168
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction .....	26	1 167	921	43 395	29 437	182 422	142 931	92 845
1623	Water, sewer, and utility lines .....	105	1 437	1 063	56 183	37 437	180 139	122 811	86 127
1629	Heavy construction, n.e.c. ....	164	4 392	3 132	188 644	120 887	723 205	663 463	551 718
<b>17</b>	<b>Special trade contractors:</b>								
1711	Plumbing, heating, and air-conditioning .....	1 236	7 665	5 448	238 989	163 517	795 322	694 815	413 725
1721	Painting and paper hanging .....	542	1 948	1 629	42 674	33 390	113 843	108 973	84 908
1731	Electrical work .....	1 004	6 009	4 576	191 330	135 729	570 551	551 858	326 834
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework .....	369	1 879	1 607	48 780	38 564	140 726	131 984	89 230
1742	Plastering, drywall, and insulation work .....	215	1 966	1 568	57 828	41 741	166 660	153 035	99 535
1743	Terrazzo, tile, marble, and mosaic work .....	72	208	169	5 602	4 219	20 071	19 786	11 816
175	Carpentry and floor work:								
1751	Carpentry .....	683	2 098	1 710	41 496	32 010	158 303	139 826	87 156
1752	Floor laying and other floor work .....	141	745	544	19 507	11 740	80 887	70 031	45 258
1761	Roofing, siding, and sheet metal work .....	353	2 406	1 872	68 830	46 739	234 288	210 817	126 458
1771	Concrete work .....	356	1 512	1 246	34 411	25 933	106 711	99 597	66 308
1781	Water well drilling .....	41	200	150	5 749	4 531	19 184	18 636	10 028
179	Miscellaneous special trade contractors:								
1791	Structural steel erection .....	53	549	408	17 171	11 642	61 061	51 962	(D)
1793	Glass and glazing work .....	75	371	221	9 451	5 288	34 965	31 848	18 432
1794	Excavation work .....	303	1 898	1 511	56 141	43 112	206 001	185 247	132 751
1795	Wrecking and demolition work .....	14	119	89	2 688	1 741	10 321	9 977	(D)
1796	Installing building equipment, n.e.c. ....	48	1 020	790	26 813	19 769	73 544	71 372	58 541
1799	Special trade contractors, n.e.c. ....	433	3 179	2 381	89 065	61 077	278 001	249 091	177 606

<sup>1</sup>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—			SIC code
Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted out to others	Value of construction work sub-contracted in from others	Rental cost of machinery, equipment, and buildings	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Value of construction work	Value added††				
I	J	K	L	M	N	O	P	Q	B	G	M	
2 061 862	1 790 966	1 776 097	120 358	83 466	1 109 947	89 494	9 549 266	4 793 254	1	1	5	15, 16, 17
												15
220 767	179 719	32 516	7 182	7 161	71 452	9 836	997 480	428 651	4	5	15	152
13 642	21 555	1 862	467	136	*5 619	1 540	304 677	103 462	21	19	23	1522
73 842	89 587	1 181	1 245	1 807	20 495	4 165	897 440	273 286	8	11	33	1531
26 952	137 466	3 646	2 357	(S)	8 121	1 356	193 194	82 871	9	8	(S)	154
242 174	844 867	48 982	10 062	5 247	92 555	8 690	1 894 541	694 447	3	3	10	1542
												16
200 633	89 629	81 453	19 514	18 211	181 806	4 047	528 259	285 564	3	2	8	1611
52 105	39 491	16 616	9 223	1 452	41 119	1 068	150 625	90 928	2	2	(Z)	162
38 948	57 327	19 874	3 679	2 944	96 365	2 303	214 898	139 151	5	4	10	1622
126 257	59 741	82 385	12 153	3 269	85 611	5 280	437 511	343 760	2	1	10	1623
												1629
												17
292 459	100 507	362 466	10 801	8 460	96 698	11 107	949 573	501 254	3	2	18	1711
24 174	4 870	44 964	1 518	1 813	13 783	3 457	178 456	125 084	4	5	31	1721
229 261	18 694	272 126	6 624	4 321	52 640	8 534	641 327	414 076	2	2	10	1731
												174
(D)	8 742	90 651	2 339	(D)	15 024	2 708	163 769	106 084	8	6	(D)	1741
55 917	13 625	132 493	2 505	1 188	12 211	3 663	331 590	187 487	6	4	9	1742
7 997	285	18 238	270	(S)	1 744	301	24 668	14 824	15	20	(S)	1743
												175
53 808	18 477	56 763	1 382	1 454	16 040	4 923	291 112	160 913	8	7	33	1751
30 614	10 855	41 370	922	(S)	10 152	1 125	84 472	48 668	13	12	(S)	1752
84 399	23 471	105 131	3 757	3 236	35 108	3 520	276 709	160 446	3	2	6	1761
34 187	7 115	53 691	2 425	2 582	35 576	2 970	234 193	148 811	8	7	39	1771
8 608	548	5 046	421	587	11 974	315	30 642	19 203	8	5	2	1781
												179
28 686	9 099	30 072	3 081	*650	8 658	1 062	89 965	50 868	12	6	45	1791
14 648	3 117	23 924	579	575	4 838	620	56 707	30 506	7	7	4	1793
59 685	20 754	123 800	9 494	11 813	120 972	2 570	243 550	170 988	6	6	25	1794
(D)	344	4 772	101	(D)	1 223	270	22 012	18 443	(Z)	(Z)	(D)	1795
12 837	2 172	26 190	1 302	389	8 782	823	80 494	56 926	3	3	(Z)	1796
82 329	28 909	95 885	6 955	4 203	61 381	2 384	162 704	103 898	5	4	22	1799

CONSTRUCTION—GEOGRAPHIC AREA SERIES

CONNECTICUT CT-7

**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 .....	8 828	10 755	7 202	7 473	1	1	2	3
Proprietors and working partners.....	2 738	2 387	2 257	3 549	3	5	4	5
All employees** .....	55 314	89 494	61 233	50 517	1	1	1	1
Construction workers:								
March.....	34 657	62 409	44 996	32 607	1	1	1	1
May.....	41 967	72 190	52 721	43 386	1	1	1	1
August.....	45 533	74 988	53 022	46 053	1	1	1	1
November.....	42 688	71 498	49 970	44 908	1	1	1	1
Average.....	41 211	70 271	50 924	41 805	1	1	1	1
Other employees:								
March.....	13 974	18 825	10 273	8 287	1	1	2	2
May.....	14 046	19 047	(NA)	(NA)	1	1	(NA)	(NA)
August.....	14 143	19 575	(NA)	(NA)	1	1	(NA)	(NA)
November.....	14 247	19 446	(NA)	(NA)	1	1	(NA)	(NA)
Average.....	14 103	19 223	(NA)	(NA)	1	1	(NA)	(NA)
Payroll, all employees .....	1 679 071	2 267 162	1 166 941	678 317	1	1	1	1
Payroll, construction workers .....	1 139 678	1 587 610	936 845	537 336	1	1	1	1
Payroll, other employees .....	539 393	679 551	230 095	140 981	1	1	1	1
First-quarter payroll, all employees .....	347 737	476 999	251 917	131 837	1	1	1	1
Fringe benefits, all employees .....	435 214	530 992	221 813	130 036	1	1	1	1
Legally required expenditures.....	266 149	353 932	169 002	78 092	1	1	1	1
Voluntary expenditures.....	169 065	177 059	52 810	51 945	1	1	1	1
Dollar value of business done .....	7 252 009	9 909 910	4 193 644	2 623 870	1	1	1	1
Value of construction work .....	7 142 704	9 549 266	4 052 488	2 533 900	1	1	1	1
Value of construction work subcontracted in from others .....	1 776 097	2 268 914	985 636	527 921	2	2	(Z)	(Z)
Other business receipts .....	109 306	179 984	117 125	89 970	4	3	1	4
Net value of construction† .....	5 351 737	7 335 639	3 107 009	1 979 826	1	1	1	1
Value added†† .....	3 399 181	4 793 254	2 027 595	1 194 620	1	1	1	1
Selected costs .....	3 852 829	4 935 996	2 142 018	1 392 047	1	1	1	1
Materials, components, and supplies .....	1 951 235	2 582 005	1 114 575	793 382	1	1	1	1
Construction work subcontracted out to others .....	1 790 966	2 213 627	945 478	554 074	1	2	1	2
Selected power, fuels, and lubricants .....	110 628	140 363	81 964	44 591	2	1	2	2
Electricity.....	18 798	21 446	12 311	5 630	3	2	2	3
Natural gas.....	5 067	4 501	2 518	1 664	4	2	4	7
Gasoline and diesel fuel .....	79 416	105 365	61 417	31 211	2	2	2	2
On highway use.....	60 204	77 380	(NA)	(NA)	2	1	(NA)	(NA)
Off highway use.....	19 212	27 985	(NA)	(NA)	3	3	(NA)	(NA)
Other, including lubricating oils and greases.....	7 347	9 051	5 717	6 087	4	3	4	5
Rental cost for machinery, equipment, and buildings .....	120 358	132 181	55 718	33 890	2	3	2	1
For machinery and equipment .....	75 663	88 726	42 891	27 169	3	4	2	1
For buildings.....	44 696	43 455	12 827	6 721	3	3	3	3
Selected purchased services .....	113 816	140 936	61 807	44 625	2	2	2	2
Communication services .....	40 652	43 799	18 525	13 142	3	2	2	2
Repairs to buildings and other structures .....	6 599	8 779	3 356	2 101	4	6	4	6
Repairs to machinery and equipment .....	66 565	88 357	39 925	29 382	2	2	2	2
Ownership of construction projects:								
Value of construction work .....	7 142 704	9 549 266	4 052 488	2 533 900	1	1	1	1
Government owned .....	1 887 058	1 389 174	846 191	509 312	2	2	3	1
Federal .....	206 571	304 024	(NA)	(NA)	5	3	(NA)	(NA)
State and local .....	1 680 486	1 085 150	(NA)	(NA)	2	2	(NA)	(NA)
Privately owned .....	5 255 646	8 160 091	3 206 297	2 024 588	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**

[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	Relative standard error of estimate (percent)	
			1992	1987
<b>BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT</b>				
Beginning-of-year gross book value of depreciable assets .....	1 078 045	1 011 726	2	2
Capital expenditures, other than land .....	83 466	192 996	5	3
New .....	66 805	162 477	5	3
Used .....	16 661	30 519	6	6
Retirements and disposition of depreciable assets .....	51 564	43 781	6	8
End-of-year gross book value of depreciable assets .....	1 109 947	1 160 941	2	2
Depreciation charges during year .....	107 453	153 151	3	3
<b>Buildings and Other Structures, Additions, and Related Facilities</b>				
Beginning-of-year gross book value of depreciable assets .....	145 801	226 954	6	6
Capital expenditures, other than land .....	8 695	31 238	8	10
New buildings and other structures .....	6 916	25 682	6	12
Used buildings and other structures .....	1 779	5 555	19	9
Retirements and disposition of depreciable assets .....	(S)	10 927	(S)	28
End-of-year gross book value of depreciable assets .....	152 284	247 265	6	6
Depreciation charges during year .....	8 843	24 534	6	11
<b>Machinery and Equipment</b>				
Beginning-of-year gross book value of depreciable assets .....	932 243	784 771	2	2
Capital expenditures, other than land .....	74 771	161 758	5	3
New machinery and equipment, including automobiles and trucks .....	59 889	136 794	6	3
New automobiles and trucks, intended primarily for highway use .....	25 737	69 324	8	4
Used machinery and equipment, including automobiles and trucks .....	14 882	24 964	8	6
Retirements and disposition of depreciable assets .....	49 352	32 853	6	5
End-of-year gross book value of depreciable assets .....	957 663	913 676	2	2
Depreciation charges during year .....	98 610	128 616	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)
<b>All establishments:</b>		
Number .....	8 828	1
Value of construction work .....	7 142 704	1
<b>Establishments with inventories:</b>		
Number .....	2 744	3
Value of construction work .....	3 176 789	1
<b>Inventories<sup>1</sup>:</b>		
End of 1992, materials and supplies .....	94 717	7
End of 1991, materials and supplies .....	95 135	6
<b>Establishments with no inventories:</b>		
Number .....	2 966	3
Value of construction work .....	2 479 390	1
<b>Establishments not reporting:</b>		
Number .....	3 119	2
Value of construction work .....	1 486 525	2

<sup>1</sup>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—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
<b>1992</b>										
Number of establishments .....	8 828	6 052	1 554	742	364	82	28	6	—	1
All employees** .....	55 314	11 010	9 700	9 825	10 593	5 603	4 233	4 352	—	(D)
Payroll, all employees .....	1 679 071	225 316	254 934	291 635	348 504	205 241	155 504	197 936	—	(D)
Dollar value of business done .....	7 252 009	1 152 062	1 011 759	1 067 877	1 379 204	1 039 430	838 158	763 520	—	(D)
Value of construction work .....	7 142 704	1 137 748	994 570	1 053 415	1 364 163	1 011 751	833 526	747 531	—	(D)
Net value of construction work† .....	5 351 737	944 795	800 318	859 470	997 406	604 541	461 616	683 591	—	(D)
Value added†† .....	3 399 181	562 904	483 356	535 783	640 602	366 696	231 530	578 310	—	(D)
Cost of materials, components, supplies, and fuels .....	2 061 862	396 206	334 151	338 148	371 845	265 524	234 718	121 270	—	(D)
Cost of construction work subcontracted out to others .....	1 790 966	192 952	194 252	193 945	366 757	407 210	371 910	63 940	—	(D)
Rental cost for machinery, equipment, and buildings .....	120 358	16 709	12 980	17 482	19 406	16 389	19 691	17 701	—	(D)
Capital expenditures, other than land .....	83 466	16 701	11 640	20 511	12 345	10 138	8 208	3 923	—	(D)
End-of-year gross book value of depreciable assets .....	1 109 947	188 063	195 665	216 529	206 143	150 286	112 727	40 534	—	(D)
<b>1987</b>										
All employees** .....	89 494	12 528	15 490	17 726	18 713	8 979	7 462	8 593	(D)	(D)
Value of construction work .....	9 549 266	1 297 640	1 313 705	1 824 121	2 118 358	1 180 284	1 815 155	(D)	(D)	(D)
Value added†† .....	4 793 254	610 829	630 043	962 366	1 045 541	558 948	389 652	595 874	(D)	(D)
<b>1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)</b>										
All employees** .....	1	3	4	4	2	(Z)	(Z)	(Z)	—	(D)
Net value of construction work† .....	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—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
<b>1992</b>											
Number of establishments .....	8 828	(S)	(S)	1 324	2 565	1 533	1 122	744	244	109	84
All employees** .....	55 314	(S)	(S)	2 001	5 937	6 655	7 937	10 255	6 036	4 728	10 822
Payroll, all employees .....	1 679 071	(S)	(S)	27 572	111 723	152 108	214 104	300 644	206 439	179 589	478 178
Dollar value of business done .....	7 252 009	(S)	(S)	97 437	414 862	541 521	789 868	1 126 120	841 819	763 031	2 648 245
Value of construction work .....	7 142 704	(S)	(S)	96 865	410 632	536 348	776 379	1 106 201	827 635	756 062	2 603 846
Net value of construction work† .....	5 351 737	(S)	(S)	90 587	374 775	471 913	655 856	913 672	651 451	560 296	1 605 965
Value added†† .....	3 399 181	(S)	(S)	57 769	229 890	285 244	398 455	568 372	423 654	350 611	1 068 796
Cost of materials, components, supplies, and fuels .....	2 061 862	(S)	(S)	33 390	149 114	191 842	270 890	365 218	241 981	216 653	581 568
Cost of construction work subcontracted out to others .....	1 790 966	(S)	(S)	6 279	35 857	64 436	120 523	192 530	176 184	195 766	997 881
Rental cost for machinery, equipment, and buildings .....	120 358	(S)	(S)	1 386	8 580	7 704	13 012	17 198	11 053	11 783	49 302
Capital expenditures, other than land .....	83 466	(S)	(S)	1 196	8 014	6 760	(S)	17 053	9 204	8 343	18 558
End-of-year gross book value of depreciable assets .....	1 109 947	(S)	(S)	14 973	93 482	92 405	191 927	220 271	122 254	122 970	247 204
<b>1987</b>											
All employees** .....	89 494	(S)	(S)	(S)	(S)	10 278	12 571	16 009	11 966	8 040	17 903
Value of construction work .....	9 549 266	(S)	(S)	(S)	(S)	683 254	984 282	1 743 311	1 498 531	1 103 711	2 929 489
Value added†† .....	4 793 254	(S)	(S)	(S)	(S)	380 886	537 394	882 241	746 965	504 412	1 385 329
<b>1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)</b>											
All employees** .....	1	(S)	(S)	7	5	5	5	3	2	(Z)	(Z)
Net value of construction work† .....	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	A	B	C	D
<b>1992</b>								
<b>Value of construction work</b> .....	<b>7 142 704</b>	<b>3 520 062</b>	<b>2 071 296</b>	<b>1 295 756</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
Building construction .....	5 037 356	2 665 347	1 688 720	683 290	1	2	2	2
Single-family houses .....	1 544 496	913 837	426 899	203 761	3	4	4	5
Single-family houses, detached .....	1 415 415	831 582	404 633	179 199	3	5	4	6
Single-family houses, attached, including townhouses and townhouse-type condominiums .....	129 082	82 254	22 266	24 561	7	9	12	9
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives .....	141 397	62 111	40 989	38 297	5	5	12	7
Other residential buildings, including hotels, motels, and tourist cabins .....	84 922	60 152	17 129	7 641	7	8	11	18
Hotels, motels, and tourist cabins .....	38 355	28 432	(S)	(S)	3	3	(S)	(S)
Other residential buildings .....	46 567	31 720	12 171	*2 676	12	16	15	51
Office buildings .....	697 213	301 352	291 124	104 737	2	2	2	5
Other commercial buildings such as stores, restaurants, and automobile service stations .....	576 175	289 982	188 098	98 094	3	3	6	7
Industrial buildings and warehouses .....	755 886	368 108	278 488	109 291	2	3	4	4
Industrial buildings .....	660 670	318 416	243 130	99 124	2	3	3	4
Warehouses .....	95 216	49 692	35 358	10 167	9	5	22	18
Religious buildings .....	56 760	19 325	19 298	18 137	3	7	6	4
Educational buildings .....	560 380	299 152	225 051	36 177	2	3	3	3
Hospitals and institutional buildings .....	413 646	208 255	156 631	48 760	3	5	3	5
Amusement, social, and recreational buildings, indoors .....	60 118	46 550	10 598	2 970	1	1	6	3
Other nonresidential buildings .....	146 362	96 523	34 414	15 425	3	2	5	17
Nonbuilding construction .....	1 849 757	854 715	382 576	612 466	1	1	2	1
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc. ....	457 537	245 567	116 668	95 303	2	2	4	5
Airport runways and related work .....	20 299	(D)	(D)	(D)	(Z)	(D)	(D)	(D)
Private driveways and parking areas .....	39 613	21 141	5 917	12 554	12	17	15	26
Fencing .....	32 021	15 245	12 478	4 298	13	20	8	23
Recreational facilities .....	15 332	(D)	1 496	(D)	9	(D)	15	(D)
Bridges, tunnels, and elevated highways .....	217 073	100 529	103 155	13 389	2	1	2	29
Power and communication transmission lines, towers, and related facilities .....	72 130	51 943	12 175	8 012	5	5	3	10
Sewers, water mains, and related facilities .....	132 716	80 589	30 320	21 806	6	8	9	11
Sewers, sewer lines, septic systems, and related facilities .....	94 445	60 596	23 998	9 851	7	7	10	21
Water mains and related facilities .....	38 271	19 994	6 322	11 955	9	15	5	6
Sewage treatment and water treatment plants .....	103 433	59 945	37 775	5 712	5	4	8	8
Sewage treatment plants .....	60 636	31 994	(D)	(D)	9	8	(D)	(D)
Water treatment plants .....	42 797	27 952	(D)	(D)	2	2	(D)	(D)
Other nonbuilding construction .....	759 601	266 251	50 219	443 131	1	1	4	1
Construction work, n.s.k. ....	255 590	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
<b>1987</b>								
<b>Value of construction work</b> .....	<b>9 549 266</b>	<b>5 822 082</b>	<b>2 145 684</b>	<b>1 046 318</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2</b>
Building construction .....	7 285 244	4 861 658	1 765 518	612 300	1	1	2	2
Single-family houses .....	2 593 249	1 863 705	543 552	185 991	2	3	4	5
Single-family houses, detached .....	1 981 997	1 342 060	478 052	161 884	3	3	5	5
Single-family houses, attached, including townhouses and townhouse-type condominiums .....	611 252	521 644	65 499	24 107	5	6	10	6
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives .....	467 155	301 746	121 893	43 515	5	7	8	7
Other residential buildings, including hotels, motels, and tourist cabins .....	326 288	229 374	73 101	23 812	6	5	19	6
Hotels, motels, and tourist cabins .....	98 512	68 668	21 157	8 686	8	11	10	11
Other residential buildings .....	227 775	160 705	51 944	15 126	7	6	27	8
Office buildings .....	1 416 266	1 021 155	299 873	95 237	1	1	3	3
Other commercial buildings such as stores, restaurants, and automobile service stations .....	905 688	544 458	258 205	103 024	2	2	3	4
Industrial buildings and warehouses .....	763 155	462 279	200 791	100 084	3	4	2	4
Industrial buildings .....	635 750	367 258	180 640	87 851	3	4	2	4
Warehouses .....	127 405	95 020	20 150	12 233	5	6	8	7
Religious buildings .....	64 358	26 156	26 450	11 751	3	3	4	7
Educational buildings .....	282 873	141 901	111 842	29 130	3	4	3	10
Hospitals and institutional buildings .....	339 195	222 826	92 168	24 200	2	1	8	5
Other nonresidential buildings .....	127 017	74 459	39 686	12 877	4	4	3	24
Nonbuilding construction .....	1 728 839	934 022	378 119	416 697	1	2	3	2
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc. ....	500 133	205 926	192 817	101 389	3	5	4	4
Private driveways and parking areas .....	72 847	47 697	12 684	12 466	12	14	17	17
Power and communication transmission lines, towers, and related facilities .....	141 477	74 773	48 856	17 846	2	2	2	12
Sewers, water mains, and related facilities .....	208 747	145 899	38 044	24 802	4	3	6	13
Sewers, sewer lines, septic systems, and related facilities .....	124 529	88 837	23 595	12 095	3	3	6	13
Water mains and related facilities .....	84 218	57 061	14 449	12 707	7	5	13	17
Sewage treatment and water treatment plants .....	66 783	37 237	27 733	1 812	6	8	10	12
Sewage treatment plants .....	45 219	17 723	26 312	1 183	8	16	9	9
Water treatment plants .....	21 564	19 513	*1 420	629	4	2	46	28
Other nonbuilding construction .....	738 852	422 490	57 985	258 382	(NA)	(NA)	(NA)	(NA)
Construction work, n.s.k. ....	535 181	(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**

[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 code	Industry	Number of establishments	Average number of construction workers	Construction workers <sup>1</sup>				Relative standard error of estimate (percent) for column—						
				January to March	April to June	July to September	October to December	A	B	C	D	E	F	
				A	B	C	D	E	F	A	B	C	D	E
<b>15, 16, 17</b>	<b>Construction industries -----</b>	<b>8 828</b>	<b>41 211</b>	<b>34 657</b>	<b>41 967</b>	<b>45 533</b>	<b>42 688</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>15</b>	<b>Building construction—General contractors and operative builders:</b>													
152	General contractors, residential buildings:													
1521	Single-family houses -----	1 646	3 717	3 261	3 883	4 210	3 513	3	4	4	4	4	4	4
1522	Other residential buildings -----	69	216	227	201	237	200	21	25	27	22	26	25	25
1531	Operative builders -----	230	519	519	519	519	521	11	10	10	9	9	10	10
154	General contractors, nonresidential buildings:													
1541	Industrial buildings and warehouses -----	73	504	402	496	485	(S)	16	12	10	9	9	(S)	4
1542	Nonresidential buildings, n.e.c. ---	414	2 844	2 538	2 774	3 191	2 875	8	4	4	5	4	4	4
<b>16</b>	<b>Heavy construction other than building construction—contractors:</b>													
1611	Highway and street construction ----	163	2 375	1 475	2 771	2 859	2 395	9	3	3	3	3	3	3
162	Heavy construction, except highway:													
1622	Bridge, tunnel, and elevated highway construction -----	26	921	667	885	1 103	1 028	9	2	2	1	2	2	2
1623	Water, sewer, and utility lines -----	105	1 063	942	1 118	1 149	1 044	7	5	5	5	5	5	5
1629	Heavy construction, n.e.c. -----	164	3 132	2 581	3 580	2 531	3 838	13	3	3	3	4	2	2
<b>17</b>	<b>Special trade contractors:</b>													
1711	Plumbing, heating, and air-conditioning -----	1 236	5 448	5 092	5 241	5 758	5 704	2	3	2	3	3	4	4
1721	Painting and paper hanging -----	542	1 629	1 153	1 642	2 174	1 545	4	4	7	5	4	5	5
1731	Electrical work -----	1 004	4 576	4 389	4 422	4 846	4 645	2	2	2	2	2	2	2
174	Masonry, stonework, tile setting, and plastering:													
1741	Masonry, stone setting, and other stonework -----	369	1 607	1 160	1 740	1 980	1 549	5	8	7	8	11	7	7
1742	Plastering, drywall, and insulation work -----	215	1 568	1 447	1 491	1 632	1 704	7	6	7	7	5	5	5
1743	Terrazzo, tile, marble, and mosaic work -----	72	169	158	172	199	147	17	16	17	16	15	16	16
175	Carpentry and floor work:													
1751	Carpentry -----	683	1 710	1 447	1 708	2 030	1 652	4	8	8	9	11	7	7
1752	Floor laying and other floor work --	141	544	527	585	566	499	7	14	14	15	13	12	12
1761	Roofing, siding, and sheet metal work -----	353	1 872	1 467	1 912	2 219	1 892	6	3	4	3	2	3	3
1771	Concrete work -----	356	1 246	660	1 246	1 607	1 470	6	7	10	7	8	10	10
1781	Water well drilling -----	41	150	128	161	163	146	18	11	2	10	10	7	7
179	Miscellaneous special trade contractors:													
1791	Structural steel erection -----	53	408	380	386	446	421	16	13	12	12	13	16	16
1793	Glass and glazing work -----	75	221	212	216	220	235	13	6	6	6	6	7	7
1794	Excavation work -----	303	1 511	1 162	1 516	1 706	1 659	7	6	7	5	5	6	6
1795	Wrecking and demolition work -----	14	89	89	80	92	96	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
1796	Installing building equipment, n.e.c. -----	48	790	681	707	857	915	4	3	4	3	4	2	2
1799	Special trade contractors, n.e.c. ---	433	2 381	1 893	2 518	2 752	2 362	8	5	5	5	5	5	5

<sup>1</sup>Construction workers during pay periods including 12th of March, May, August, and November.

**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]

SIC code	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				
					Payroll, all employees	Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted out to others	Value of construction work sub-contracted in from others	Rental cost for machinery, equipment, and buildings
<b>15, 16, 17</b>	<b>Construction industries -----</b>	<b>6.3</b>	<b>30.4</b>	<b>173.3</b>	<b>.235</b>	<b>.289</b>	<b>.251</b>	<b>.249</b>	<b>.017</b>
<b>15</b>	<b>Building construction—General contractors and operative builders:</b>								
152	General contractors, residential buildings:								
1521	Single-family houses -----	3.1	21.8	169.2	.179	.351	.286	.052	.011
1522	Other residential buildings -----	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	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	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
<b>16</b>	<b>Heavy construction other than building construction—contractors:</b>								
1611	Highway and street construction -----	18.3	34.5	198.0	.219	.427	.191	.173	.041
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	44.6	37.2	198.1	.238	.286	.216	.091	.051
1623	Water, sewer, and utility lines -----	13.7	39.1	169.5	.312	.216	.318	.110	.020
1629	Heavy construction, n.e.c. -----	26.8	43.0	230.9	.261	.175	.083	.114	.017
<b>17</b>	<b>Special trade contractors:</b>								
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	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework -----	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	Carpentry -----	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	Structural steel erection -----	10.3	31.3	149.7	.281	.470	.149	.492	.050
1793	Glass and glazing work -----	5.0	25.5	158.2	.270	.419	.089	.684	.017
1794	Excavation work -----	6.3	29.6	136.3	.273	.290	.101	.601	.046
1795	Wrecking and demolition work -----	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**

[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 code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added‡	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
	<b>BOSTON-WORCESTER-LAWRENCE, MA-NH-ME-CT CMSA</b>											
15,16,17	Construction industries .....	12 243	81 838	2 373 923	10 850 651	7 795 632	4 779 944	3 171 595	3 055 019	114 237	1	1
15	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	(S) 5 708	110 750	706 759	493 053	242 509	263 814	213 705	6 606	5	5	
1522	Other residential buildings .....	175 813	22 429	112 671	72 527	46 531	29 106	40 144	807	13	12	
1531	Operative builders .....	385	1 578	44 821	682 250	442 959	218 538	236 385	239 291	2 619	7	14
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	156 1 029	32 600	206 537	101 940	73 206	30 157	104 597	(S) 10	6		
1542	Nonresidential buildings, n.e.c. ....	661 7 636	251 621	2 297 588	792 724	406 931	422 836	1 504 864	8 797	3	2	
16	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction .....	186	2 376	76 098	351 410	283 480	167 496	119 003	67 930	9 828	4	3
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction.....	29	1 356	61 789	459 022	308 945	202 177	108 555	150 077	6 415	3	1
1623	Water, sewer, and utility lines .....	240	2 825	88 879	361 351	287 073	179 918	113 000	74 277	13 030	5	4
1629	Heavy construction, n.e.c. ....	265	5 716	231 386	916 111	708 579	507 539	208 904	207 533	11 223	1	1
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air-conditioning .....	1 823	11 509	353 357	1 207 486	1 033 712	613 810	435 086	173 774	10 922	2	2
1721	Painting and paper hanging.....	614	2 761	55 356	148 651	138 536	104 643	34 419	10 115	2 239	5	6
1731	Electrical work .....	1 468	10 685	339 496	1 016 518	969 186	600 178	382 086	47 332	8 411	2	2
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work .....	(S) 2 317	51 729	165 144	154 433	107 492	47 573	10 711	1 838	10	5	
1742	Plastering, drywall, and insulation work .....	429	3 271	89 477	287 958	256 401	164 927	94 202	31 557	2 020	9	9
1743	Terrazzo, tile, marble, and mosaic work .....	74	282	(S) 20 828	20 031	(S) 8 978	*797	(S) 17	12			
175	Carpentry and floor work:											
1751	Carpentry .....	924	3 085	67 890	287 397	237 944	132 041	108 826	49 453	(S) 6	6	
1752	Floor laying and other floor work .....	244	969	21 663	122 958	(D) 51 223	58 862	(D) 829	(D) 8	(D) 8		
1761	Roofing, siding, and sheet metal work .....	431	2 833	71 126	252 638	232 396	138 680	96 777	20 242	(S) 5	5	
1771	Concrete work .....	506	2 796	63 312	229 191	212 292	132 871	80 223	16 899	4 478	6	5
1781	Water well drilling .....	59	344	10 038	32 704	32 475	20 418	12 117	228	671	13	12
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	97	1 818	58 940	150 435	(D) 103 748	34 133	(D) 2 110	7	(D) 7		
1793	Glass and glazing work .....	98	527	12 828	41 966	41 197	26 199	18 892	(S) *174	10	12	
1794	Excavation work .....	417	2 138	55 937	206 929	181 644	135 178	55 880	25 285	5 767	9	8
1795	Wrecking and demolition work .....	(S) 342	8 672	33 380	29 628	25 313	4 978	3 752	537	2	2	
1796	Installing building equipment, n.e.c. ....	104	2 698	74 030	219 189	212 956	159 611	54 929	6 233	1 411	1	1
1799	Special trade contractors, n.e.c. ....	502	4 428	111 827	333 580	308 834	206 493	111 877	24 745	8 170	5	5
	<b>Boston, MA-NH PMSA</b>											
15,16,17	Construction industries .....	6 890	49 004	1 486 300	7 345 622	5 037 835	3 091 565	2 036 809	2 307 788	63 841	1	1
	(See appropriate State for SIC detail.)											
	<b>Brockton, MA PMSA</b>											
15,16,17	Construction industries .....	545	3 110	82 089	306 915	253 477	165 924	94 379	53 437	3 003	4	3
	(See appropriate State for SIC detail.)											
	<b>Fitchburg-Leominster, MA PMSA</b>											
15,16,17	Construction industries .....	269	1 302	32 635	128 736	104 319	61 979	46 007	24 417	1 269	10	9
	(See appropriate State for SIC detail.)											
	<b>Lawrence, MA-NH PMSA</b>											
15,16,17	Construction industries .....	817	5 082	124 320	496 532	402 893	259 128	152 254	93 639	14 205	2	2
	(See appropriate State for SIC detail.)											

CT-14 CONNECTICUT

CONSTRUCTION—GEOGRAPHIC AREA SERIES

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 code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added‡†	Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted out to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
	<b>BOSTON–WORCESTER–LAWRENCE, MA–NH–ME–CT CMSA—Con.</b>											
	<b>Lowell, MA–NH PMSA</b>											
15,16,17	Construction industries .....	711	4 158	107 067	528 670	419 261	238 826	188 724	109 408	9 495	3	4
	(See appropriate State for SIC detail.)											
	<b>Manchester, NH PMSA</b>											
15,16,17	Construction industries .....	504	3 407	87 906	396 764	286 943	157 297	137 693	109 821	4 018	5	5
	(See appropriate State for SIC detail.)											
	<b>Nashua, NH PMSA</b>											
15,16,17	Construction industries .....	359	2 564	69 678	304 805	209 941	135 141	90 245	94 864	2 972	3	3
	(See appropriate State for SIC detail.)											
	<b>New Bedford, MA PMSA</b>											
15,16,17	Construction industries .....	322	1 346	29 494	120 156	103 574	65 071	39 438	16 582	2 690	9	7
	(See appropriate State for SIC detail.)											
	<b>Portsmouth–Rochester, NH–ME PMSA</b>											
15,16,17	Construction industries .....	714	2 907	64 307	262 556	224 525	132 790	96 814	38 030	4 418	7	7
	(See appropriate State for SIC detail.)											
	<b>Worcester, MA–CT PMSA</b>											
15,16,17	Construction industries .....	1 112	8 958	290 127	959 896	752 864	472 223	289 233	207 032	8 326	3	3
15	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	(S)	(S)	(S)	(S)	(S)	(S)	18 336	(S)	422	(S)	(S)
1522	Other residential buildings .....	(S)	(D)	(D)	(S)	(S)	(S)	(D)	(S)	—	(D)	(S)
1531	Operative builders .....	(S)	101	(S)	(S)	(S)	(D)	(S)	(S)	—	32	(S)
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	*24	146	(D)	10 840	7 356	4 252	3 144	3 484	—	39	32
1542	Nonresidential buildings, n.e.c. ....	54	432	13 752	150 316	48 175	24 827	24 617	102 142	848	14	10
16	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction .....	25	169	(D)	20 032	(D)	11 732	5 348	(D)	(S)	13	(D)
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction .....	*3	*30	*1 194	*5 276	(S)	*3 196	*1 294	(S)	(D)	62	(S)
1623	Water, sewer, and utility lines .....	32	300	8 477	25 440	23 257	16 360	6 914	2 183	247	28	18
1629	Heavy construction, n.e.c. ....	(S)	2 308	(D)	227 828	200 323	(D)	73 682	27 505	(D)	1	1
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air-conditioning .....	152	887	22 828	77 802	66 953	39 451	28 298	10 848	(S)	15	14
1721	Painting and paper hanging .....	55	192	3 487	8 869	8 561	(D)	3 016	*307	(D)	32	30
1731	Electrical work .....	155	1 133	34 670	98 565	91 669	55 659	36 311	6 896	402	9	7
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work .....	*20	97	2 898	8 610	8 273	5 751	2 524	*337	304	23	16
1742	Plastering, drywall, and insulation work .....	58	200	4 105	19 148	14 382	9 600	4 783	4 766	43	26	24
1743	Terrazzo, tile, marble, and mosaic work .....	*3	(S)	*399	*1 632	*1 632	*472	*1 161	—	—	(S)	71
175	Carpentry and floor work:											
1751	Carpentry .....	94	331	8 640	40 102	31 241	20 108	11 744	*8 861	*30	19	22
1752	Floor laying and other floor work .....	34	*110	*2 233	11 106	*10 151	*5 631	*4 520	*955	*186	42	40
1761	Roofing, siding, and sheet metal work .....	(S)	(S)	5 001	(S)	(S)	(S)	(S)	*763	(S)	(S)	(S)
1771	Concrete work .....	38	(D)	2 235	(D)	(D)	4 774	3 390	(S)	(D)	(D)	(D)

CONSTRUCTION—GEOGRAPHIC AREA SERIES

CONNECTICUT CT—15

**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 code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added‡	Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted out to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
<b>BOSTON—WORCESTER—LAWRENCE, MA—NH—ME—CT CMSA—Con.</b>												
<b>Worcester, MA—CT PMSA—Con.</b>												
<b>Construction industries—Con.</b>												
15,16,17	<b>Special trade contractors—Con.</b>											
1781	Water well drilling .....	11	123	4 207	(D)	(D)	(D)	4 455	*81	(D)	23	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	*13	(D)	(D)	(D)	(D)	(D)	4 041	(D)	(S)	(D)	(D)
1793	Glass and glazing work .....	*15	*71	1 959	4 956	(D)	*3 257	*2 966	(D)	(S)	44	(D)
1794	Excavation work .....	44	244	6 544	23 101	20 070	(D)	4 098	3 031	1 030	25	21
1795	Wrecking and demolition work .....	(S)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. ..	7	171	1 665	(D)	(D)	2 978	679	(D)	(D)	(Z)	(D)
1799	Special trade contractors, n.e.c. ....	(S)	292	7 098	27 911	(D)	(D)	13 492	(D)	211	23	(D)
<b>NEW YORK—NORTHERN NEW JERSEY—LONG ISLAND, NY—NJ—CT—PA CMSA</b>												
15,16,17	<b>Construction industries .....</b>	<b>42 350</b>	<b>293 351</b>	<b>9 218 472</b>	<b>37 414 756</b>	<b>28 282 143</b>	<b>18 392 725</b>	<b>10 662 353</b>	<b>9 132 613</b>	<b>369 395</b>	<b>(Z)</b>	<b>(Z)</b>
15	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	7 113	21 794	432 130	2 472 841	1 798 370	985 496	848 216	674 471	20 780	2	3
1522	Other residential buildings .....	835	5 490	153 426	927 370	551 355	337 646	224 493	376 015	4 926	5	6
1531	Operative builders .....	1 018	6 282	181 447	2 108 389	1 398 163	896 224	583 977	710 226	10 621	4	5
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	473	6 777	228 107	1 478 248	721 385	485 489	256 717	756 863	6 091	3	3
1542	Nonresidential buildings, n.e.c. ....	2 184	25 875	942 296	6 760 487	2 879 876	1 837 012	1 345 434	3 880 610	31 176	2	1
16	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction .....	648	11 541	420 833	1 779 832	1 448 854	921 211	565 867	330 978	42 479	2	2
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction .....	78	4 397	198 889	823 663	632 063	445 470	199 490	191 600	10 308	1	1
1623	Water, sewer, and utility lines .....	466	9 358	355 962	1 249 484	1 065 185	789 931	296 065	184 299	27 771	2	2
1629	Heavy construction, n.e.c. ....	676	10 703	438 031	1 750 592	1 442 084	1 059 465	466 715	308 508	29 103	2	1
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air-conditioning .....	6 509	42 500	1 392 063	4 696 119	4 054 819	2 482 719	1 610 349	641 300	44 984	1	1
1721	Painting and paper hanging .....	2 460	11 826	280 880	750 105	701 211	534 363	171 438	48 895	9 868	3	2
1731	Electrical work .....	5 212	42 806	1 529 521	4 135 160	3 952 544	2 587 075	1 383 066	182 616	29 419	1	1
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work .....	1 740	8 920	215 431	720 061	626 354	420 524	210 129	93 707	6 858	3	3
1742	Plastering, drywall, and insulation work .....	959	11 663	399 161	1 061 626	954 210	670 604	289 450	107 416	9 942	3	2
1743	Terrazzo, tile, marble, and mosaic work .....	560	2 518	72 380	227 457	212 009	135 777	78 384	15 448	2 410	8	7
175	Carpentry and floor work:											
1751	Carpentry .....	3 414	12 366	283 674	1 082 162	945 907	562 093	401 491	136 255	(S)	3	4
1752	Floor laying and other floor work .....	756	3 529	94 519	358 405	320 221	190 894	138 062	38 184	(S)	3	5
1761	Roofing, siding, and sheet metal work .....	1 817	10 839	307 237	976 792	882 317	563 423	324 331	94 475	12 679	2	2
1771	Concrete work .....	1 218	7 659	190 507	639 068	591 850	359 217	241 033	47 218	9 701	7	4
1781	Water well drilling .....	127	694	21 589	78 340	73 778	45 316	28 540	4 562	1 335	7	6
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	275	3 229	117 785	365 864	324 796	239 101	88 923	41 068	2 428	5	2
1793	Glass and glazing work .....	403	2 449	67 938	215 385	204 561	122 457	89 496	10 823	1 744	5	4
1794	Excavation work .....	926	4 876	140 467	476 199	427 018	302 804	134 726	49 181	20 201	4	5
1795	Wrecking and demolition work .....	90	1 668	38 783	141 649	126 897	106 930	23 890	14 752	1 945	2	3
1796	Installing building equipment, n.e.c. ..	339	7 802	311 525	841 241	792 198	565 583	228 917	49 042	4 371	1	(Z)
1799	Special trade contractors, n.e.c. ....	2 056	15 790	403 891	1 298 219	1 154 116	745 902	433 154	144 102	16 943	3	3
15,16,17	<b>Bergen—Passaic, NJ PMSA</b>											
15,16,17	<b>Construction industries .....</b>	<b>3 805</b>	<b>27 827</b>	<b>877 468</b>	<b>3 341 538</b>	<b>2 675 177</b>	<b>1 825 453</b>	<b>968 390</b>	<b>666 362</b>	<b>32 405</b>	<b>1</b>	<b>1</b>

(See appropriate State for SIC detail.)

**CT-16 CONNECTICUT**

**CONSTRUCTION—GEOGRAPHIC AREA SERIES**

**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 code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added‡	Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted out to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
	<b>NEW YORK-NORTHERN NEW JERSEY-LONG ISLAND, NY-NJ-CT-PA CMSA—Con.</b>											
	<b>Bridgeport, CT PMSA</b>											
15,16,17	<b>Construction industries .....</b>	<b>1 032</b>	<b>5 940</b>	<b>178 098</b>	<b>698 909</b>	<b>529 942</b>	<b>347 931</b>	<b>194 890</b>	<b>168 967</b>	<b>8 091</b>	<b>3</b>	<b>3</b>
15	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	157	458	10 902	60 267	45 066	23 119	22 668	15 201	493	17	18
1522	Other residential buildings .....	*17	*50	*1 135	(D)	(D)	*2 049	3 023	(D)	—	44	(D)
1531	Operative builders .....	29	80	2 357	*18 605	(D)	*8 148	6 032	(D)	*685	23	(D)
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	(S)	(D)	(D)	(S)	(D)	(D)	(S)	(D)	(D)	(D)	(D)
1542	Nonresidential buildings, n.e.c. ....	55	628	21 218	116 334	61 395	(D)	28 021	54 939	1 370	5	7
16	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction ....	(S)	(S)	(S)	16 531	(D)	(D)	8 067	(D)	(D)	(S)	(D)
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction .....	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines .....	(S)	448	23 223	84 261	(D)	24 295	13 330	(D)	1 383	4	(D)
1629	Heavy construction, n.e.c. ....	(S)	(S)	(S)	(D)	(D)	(S)	(S)	(D)	(D)	(S)	(D)
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air-conditioning .....	132	828	26 435	86 822	77 670	49 169	28 729	9 152	226	7	5
1721	Painting and paper hanging .....	63	281	7 198	16 889	16 488	13 093	3 432	401	*125	12	9
1731	Electrical work .....	150	791	20 301	61 411	59 650	(D)	25 901	(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)	2 445	(D)	(S)	(S)
1742	Plastering, drywall, and insulation work .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	1 920	(S)	(S)	(S)
1743	Terrazzo, tile, marble, and mosaic work .....	11	25	607	2 593	2 481	1 395	1 086	112	(D)	(Z)	(Z)
175	Carpentry and floor work:											
1751	Carpentry .....	101	320	5 696	25 761	23 222	14 602	8 712	2 539	76	25	21
1752	Floor laying and other floor work ...	14	33	512	(D)	(D)	1 301	1 391	317	(S)	2	(D)
1761	Roofing, siding, and sheet metal work .....	49	268	6 226	24 825	19 862	12 205	7 657	4 963	(D)	7	7
1771	Concrete work .....	30	150	3 825	9 874	9 510	5 837	3 673	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	3 070	(D)	(D)	(D)	3 838	(D)	(D)	(Z)	(D)
1793	Glass and glazing work .....	(S)	49	1 126	3 042	3 029	1 755	1 280	*13	(D)	12	10
1794	Excavation work .....	39	115	3 064	15 965	15 417	12 601	3 110	548	*984	27	19
1795	Wrecking and demolition work .....	(S)	(D)	(D)	(D)	(D)	(D)	(D)	—	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. ...	(S)	185	(S)	(S)	(D)	(S)	(S)	(D)	147	(Z)	(D)
1799	Special trade contractors, n.e.c. ....	48	261	5 448	16 428	14 927	11 483	3 464	1 500	(D)	20	17
	<b>Danbury, CT PMSA</b>											
15,16,17	<b>Construction industries .....</b>	<b>710</b>	<b>3 255</b>	<b>98 901</b>	<b>453 931</b>	<b>324 836</b>	<b>195 875</b>	<b>133 634</b>	<b>129 095</b>	<b>6 059</b>	<b>4</b>	<b>4</b>
15	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	163	555	12 731	62 366	46 483	25 014	22 137	15 883	343	11	12
1522	Other residential buildings .....	(S)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	(D)	(D)
1531	Operative builders .....	19	64	2 637	(D)	(D)	*3 053	(S)	(D)	(D)	23	(D)
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	(S)	44	(S)	7 336	4 472	2 780	1 692	2 864	(D)	(Z)	(Z)
1542	Nonresidential buildings, n.e.c. ....	20	251	12 009	118 760	(D)	23 744	12 227	(D)	299	(Z)	(D)

CONSTRUCTION—GEOGRAPHIC AREA SERIES

CONNECTICUT CT-17

**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 code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added‡	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
	<b>NEW YORK-NORTHERN NEW JERSEY-LONG ISLAND, NY-NJ-CT-PA CMSA—Con.</b>											
	<b>Danbury, CT PMSA—Con.</b>											
<b>15,16,17</b>	<b>Construction industries—Con.</b>											
<b>16</b>	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction -----	(S)	175	5 600	21 077	19 601	11 460	8 142	1 476	(S)	23	8
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	—	—	—	—	—	—	—	—	—	—	—
1623	Water, sewer, and utility lines -----	(S)	*30	*1 065	*4 665	*4 260	(D)	*2 209	*405	(D)	46	65
1629	Heavy construction, n.e.c. -----	(S)	(S)	(D)	(D)	(D)	(S)	(D)	(S)	(S)	(S)	(D)
<b>17</b>	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air-conditioning -----	105	467	14 093	(S)	53 328	(S)	19 895	(S)	(S)	14	17
1721	Painting and paper hanging-----	46	96	1 425	3 734	3 602	2 753	853	132	(S)	25	20
1731	Electrical work -----	94	550	18 969	65 336	61 618	36 523	25 205	3 718	551	6	6
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work-----	25	38	952	3 731	3 413	2 192	(S)	318	(D)	29	19
1742	Plastering, drywall, and insulation work -----	(S)	224	7 907	18 640	(D)	11 431	6 109	(D)	(D)	5	(D)
1743	Terrazzo, tile, marble, and mosaic work -----	5	(D)	(S)	(D)	(D)	(D)	211	(D)	—	(D)	(D)
175	Carpentry and floor work:											
1751	Carpentry -----	53	178	3 126	8 461	7 658	5 894	1 896	803	(D)	32	21
1752	Floor laying and other floor work ---	16	59	*1 658	5 946	5 706	*3 274	2 472	240	(D)	37	39
1761	Roofing, siding, and sheet metal work -----	24	85	2 441	13 111	10 813	6 700	4 113	2 298	50	7	4
1771	Concrete work -----	38	147	3 127	8 163	7 791	5 742	2 290	372	44	29	21
1781	Water well drilling -----	4	9	235	956	(D)	581	367	(D)	—	(Z)	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	(S)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	(D)	(D)
1793	Glass and glazing work -----	(S)	26	633	(D)	(D)	1 469	1 102	(D)	(D)	(Z)	(D)
1794	Excavation work -----	20	100	3 876	11 840	11 255	8 264	3 196	585	*1 055	29	34
1795	Wrecking and demolition work -----	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	—	(S)	(S)
1796	Installing building equipment, n.e.c. -	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	(D)	(D)
1799	Special trade contractors, n.e.c.-----	(S)	(S)	(S)	(S)	(D)	(D)	(D)	(D)	944	(S)	(D)
	<b>Dutchess County, NY PMSA</b>											
<b>15,16,17</b>	<b>Construction industries -----</b>	<b>742</b>	<b>4 096</b>	<b>114 520</b>	<b>489 015</b>	<b>375 227</b>	<b>231 309</b>	<b>156 061</b>	<b>113 789</b>	<b>6 023</b>	<b>5</b>	<b>6</b>
	(See appropriate State for SIC detail.)											
	<b>Jersey City, NJ PMSA</b>											
<b>15,16,17</b>	<b>Construction industries -----</b>	<b>776</b>	<b>5 896</b>	<b>188 387</b>	<b>674 560</b>	<b>558 706</b>	<b>369 589</b>	<b>196 350</b>	<b>115 854</b>	<b>5 989</b>	<b>3</b>	<b>4</b>
	(See appropriate State for SIC detail.)											
	<b>Middlesex-Somerset-Hunterdon, NJ PMSA</b>											
<b>15,16,17</b>	<b>Construction industries -----</b>	<b>2 765</b>	<b>19 015</b>	<b>604 438</b>	<b>2 620 186</b>	<b>2 000 280</b>	<b>1 247 470</b>	<b>789 895</b>	<b>619 906</b>	<b>29 971</b>	<b>1</b>	<b>2</b>
	(See appropriate State for SIC detail.)											
	<b>Monmouth-Ocean, NJ PMSA</b>											
<b>15,16,17</b>	<b>Construction industries -----</b>	<b>2 725</b>	<b>15 377</b>	<b>418 295</b>	<b>2 128 055</b>	<b>1 594 996</b>	<b>1 004 473</b>	<b>631 216</b>	<b>533 059</b>	<b>25 342</b>	<b>2</b>	<b>3</b>
	(See appropriate State for SIC detail.)											
	<b>Nassau-Suffolk, NY PMSA</b>											
<b>15,16,17</b>	<b>Construction industries -----</b>	<b>8 068</b>	<b>44 952</b>	<b>1 224 727</b>	<b>4 994 826</b>	<b>3 872 198</b>	<b>2 440 215</b>	<b>1 491 173</b>	<b>1 122 629</b>	<b>54 762</b>	<b>1</b>	<b>1</b>
	(See appropriate State for SIC detail.)											

**CT-18 CONNECTICUT**

**CONSTRUCTION—GEOGRAPHIC AREA SERIES**



**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 code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added‡	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
	<b>NEW YORK—NORTHERN NEW JERSEY—LONG ISLAND, NY—NJ—CT—PA CMSA—Con.</b>											
	<b>New Haven—Meriden, CT PMSA</b>											
15,16,17	<b>Construction industries</b> .....	1 351	9 080	282 141	1 101 261	864 400	532 933	350 990	236 861	(S)	3	2
15	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	231	717	14 227	83 331	57 050	31 234	27 465	26 282	649	12	17
1522	Other residential buildings .....	(S)	(D)	(D)	(D)	(D)	(S)	(D)	(D)	(D)	(D)	(D)
1531	Operative builders .....	47	253	5 824	60 571	46 360	35 385	11 203	14 210	149	11	14
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	20	106	3 114	15 796	9 535	5 768	(S)	(S)	(D)	21	17
1542	Nonresidential buildings, n.e.c. ....	(S)	(S)	18 656	126 821	42 189	(D)	18 532	84 632	(S)	(S)	6
16	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction ....	30	266	10 888	47 488	43 143	26 460	(S)	(S)	(S)	17	7
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction .....	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines .....	11	77	3 540	(D)	(D)	6 760	(D)	(D)	(D)	16	(D)
1629	Heavy construction, n.e.c. ....	18	825	40 237	150 666	(D)	(D)	(D)	(D)	142	8	(D)
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air-conditioning .....	196	1 401	46 116	157 240	130 498	76 607	56 157	26 742	(S)	10	6
1721	Painting and paper hanging .....	96	381	7 273	19 643	18 712	14 087	4 625	931	102	13	6
1731	Electrical work .....	169	1 110	40 842	108 428	104 632	65 311	40 262	(S)	(S)	7	5
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work .....	(S)	158	3 202	8 046	7 620	5 194	2 426	427	235	8	9
1742	Plastering, drywall, and insulation work .....	40	(S)	10 046	39 700	34 386	20 059	14 857	(S)	(S)	(S)	14
1743	Terrazzo, tile, marble, and mosaic work .....	*18	60	(D)	5 630	5 586	*3 664	1 923	44	31	32	38
175	Carpentry and floor work:											
1751	Carpentry .....	(S)	303	5 246	17 959	15 982	10 498	5 705	1 977	(S)	32	19
1752	Floor laying and other floor work ...	(S)	(S)	(S)	(S)	(D)	(S)	(S)	(D)	(S)	(S)	(D)
1761	Roofing, siding, and sheet metal work .....	47	428	13 810	46 127	41 587	25 828	15 759	4 540	(D)	7	3
1771	Concrete work .....	57	300	7 084	(S)	(S)	(S)	(S)	(S)	(S)	16	(S)
1781	Water well drilling .....	*15	(D)	(D)	5 959	5 709	3 159	2 550	*250	(D)	(D)	15
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	7	77	1 974	(D)	(D)	4 018	1 064	(D)	(D)	13	(D)
1793	Glass and glazing work .....	(S)	120	3 288	12 909	(D)	6 038	4 597	(D)	(D)	13	(D)
1794	Excavation work .....	(S)	(S)	4 822	19 950	18 241	(S)	*6 566	*1 709	*835	(S)	27
1795	Wrecking and demolition work .....	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	(D)	(D)
1796	Installing building equipment, n.e.c. ...	12	205	2 916	8 734	8 535	6 944	1 593	199	(D)	(Z)	(Z)
1799	Special trade contractors, n.e.c. ....	97	638	17 077	52 342	49 305	33 016	16 873	3 037	827	13	13
	<b>New York, NY PMSA</b>											
15,16,17	<b>Construction industries</b> .....	12 358	109 208	3 729 636	14 477 032	10 612 957	7 104 953	3 877 610	3 864 074	119 089	1	1
	(See appropriate State for SIC detail.)											
	<b>Newark, NJ PMSA</b>											
15,16,17	<b>Construction industries</b> .....	4 737	30 728	994 606	3 889 810	3 123 797	2 026 165	1 151 210	766 012	46 706	1	1
	(See appropriate State for SIC detail.)											
	<b>Newburgh, NY—PA PMSA</b>											
15,16,17	<b>Construction industries</b> .....	1 035	3 891	101 839	415 465	350 342	206 446	146 555	65 123	6 561	3	4
	(See appropriate State for SIC detail.)											

CONSTRUCTION—GEOGRAPHIC AREA SERIES

CONNECTICUT CT—19

**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 code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added‡†	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
	<b>NEW YORK—NORTHERN NEW JERSEY—LONG ISLAND, NY—NJ—CT—PA CMSA—Con.</b>											
	<b>Stamford—Norwalk, CT PMSA</b>											
15,16,17	<b>Construction industries .....</b>	<b>987</b>	<b>6 211</b>	<b>183 104</b>	<b>1 076 075</b>	<b>620 111</b>	<b>355 313</b>	<b>276 985</b>	<b>455 964</b>	<b>(S)</b>	<b>2</b>	<b>3</b>
15	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	216	1 031	25 096	136 642	(D)	55 385	42 944	(D)	930	6	(D)
1522	Other residential buildings .....	*16	*30	*553	1 925	1 514	(D)	*420	411	(D)	46	39
1531	Operative builders .....	39	(S)	6 015	76 154	53 607	*37 373	(S)	(S)	134	(S)	35
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	(S)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1542	Nonresidential buildings, n.e.c. ....	(S)	(S)	(S)	364 665	95 790	(D)	87 338	268 876	(S)	(S)	1
16	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction .....	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines .....	10	114	3 510	11 125	10 552	7 680	(S)	573	(D)	30	18
1629	Heavy construction, n.e.c. ....	*19	117	3 323	10 746	9 951	7 214	2 798	796	*337	21	22
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air-conditioning .....	152	825	25 392	80 683	75 005	43 767	31 270	5 677	*884	9	6
1721	Painting and paper hanging .....	71	302	5 855	14 827	13 741	11 067	2 674	1 086	206	10	10
1731	Electrical work .....	121	554	18 534	49 142	48 750	(D)	18 865	392	*283	9	10
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work .....	44	(S)	(S)	(S)	(S)	(S)	3 650	(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 .....	*15	*37	*1 117	(S)	(S)	(S)	(S)	(S)	(D)	42	(S)
175	Carpentry and floor work:											
1751	Carpentry .....	(S)	(S)	4 540	16 250	(S)	9 845	(S)	1 843	(S)	(S)	(S)
1752	Floor laying and other floor work .....	12	42	1 296	6 860	6 087	5 385	1 158	*774	*81	22	34
1761	Roofing, siding, and sheet metal work .....	33	(S)	(S)	(S)	(S)	(S)	(S)	*1 364	(D)	(S)	(S)
1771	Concrete work .....	11	58	2 097	5 735	(D)	2 700	3 116	(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	Structural steel erection .....	(S)	(S)	(D)	(D)	(D)	(D)	(D)	(D)	—	(S)	(D)
1793	Glass and glazing work .....	5	46	1 205	(D)	4 204	2 947	1 508	(D)	(D)	(Z)	(Z)
1794	Excavation work .....	29	207	6 483	(D)	(D)	16 463	(S)	(S)	(S)	22	(D)
1795	Wrecking and demolition work .....	3	(D)	(D)	(D)	(D)	(D)	(D)	—	—	(D)	(D)
1796	Installing building equipment, n.e.c. ....	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	(D)	(D)
1799	Special trade contractors, n.e.c. ....	(S)	328	9 049	26 628	24 403	15 903	9 143	2 225	(S)	12	9
	<b>Trenton, NJ PMSA</b>											
15,16,17	<b>Construction industries .....</b>	<b>691</b>	<b>4 984</b>	<b>137 822</b>	<b>746 410</b>	<b>524 888</b>	<b>345 956</b>	<b>195 957</b>	<b>221 522</b>	<b>5 847</b>	<b>2</b>	<b>1</b>

(See appropriate State for SIC detail.)

**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 code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added‡†	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
	<b>NEW YORK-NORTHERN NEW JERSEY-LONG ISLAND, NY-NJ-CT-PA CMSA—Con.</b>											
	<b>Waterbury, CT PMSA</b>											
15,16,17	<b>Construction industries .....</b>	<b>569</b>	<b>2 891</b>	<b>84 490</b>	<b>307 681</b>	<b>254 285</b>	<b>158 646</b>	<b>101 436</b>	<b>53 396</b>	<b>4 683</b>	<b>6</b>	<b>6</b>
15	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	100	237	4 749	23 885	(D)	8 896	8 296	(D)	(S)	26	(D)
1522	Other residential buildings .....	(S)	(S)	(S)	(S)	(S)	(S)	(D)	(S)	—	(S)	(S)
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)	*1 930	(D)	—	(S)	(D)
1542	Nonresidential buildings, n.e.c. ....	27	182	4 767	30 818	12 996	4 357	8 676	17 822	(S)	29	24
16	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction ....	3	(D)	2 283	8 273	7 468	6 726	(D)	805	(D)	(D)	(Z)
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction .....	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines .....	15	153	5 013	15 560	14 409	12 049	2 440	1 151	*222	19	7
1629	Heavy construction, n.e.c. ....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	179	(S)	(S)
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air-conditioning .....	73	552	18 591	55 290	50 163	29 295	24 313	5 127	809	12	10
1721	Painting and paper hanging .....	39	71	1 299	4 820	4 739	3 906	833	*81	*146	34	28
1731	Electrical work .....	48	331	10 845	31 294	29 614	19 615	10 709	1 680	314	15	12
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work .....	35	72	*1 461	*5 230	*5 190	*4 043	(D)	(S)	(D)	38	43
1742	Plastering, drywall, and insulation work .....	(S)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1743	Terrazzo, tile, marble, and mosaic work .....	—	—	—	—	—	—	—	—	—	—	—
175	Carpentry and floor work:											
1751	Carpentry .....	69	175	3 759	12 236	11 741	7 166	4 911	*495	(D)	31	33
1752	Floor laying and other floor work ...	(S)	(S)	(S)	(D)	(S)	(S)	(S)	(D)	(D)	(S)	(S)
1761	Roofing, siding, and sheet metal work .....	41	291	8 481	24 404	22 800	13 320	9 481	1 603	480	22	17
1771	Concrete work .....	9	115	3 723	12 272	9 871	8 465	1 436	*2 401	1 182	28	31
1781	Water well drilling .....	—	—	—	—	—	—	—	—	—	—	—
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	(D)	(D)
1793	Glass and glazing work .....	*9	*25	*638	*2 590	*2 590	*1 336	*1 441	—	—	47	47
1794	Excavation work .....	30	137	3 921	(D)	(D)	10 947	(S)	(D)	*41	27	(D)
1795	Wrecking and demolition work .....	(S)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	(D)	(D)
1796	Installing building equipment, n.e.c. ...	3	69	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(Z)	(D)
1799	Special trade contractors, n.e.c. ....	*17	175	5 739	17 246	(D)	(D)	(D)	(D)	(D)	17	(D)
	<b>HARTFORD, CT MSA</b>											
15,16,17	<b>Construction industries .....</b>	<b>3 091</b>	<b>22 380</b>	<b>696 481</b>	<b>2 814 684</b>	<b>2 209 178</b>	<b>1 477 782</b>	<b>774 787</b>	<b>605 506</b>	<b>35 949</b>	<b>1</b>	<b>1</b>
15	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	545	1 446	29 256	180 510	124 219	62 937	64 078	56 291	(S)	8	9
1522	Other residential buildings .....	20	145	3 521	(D)	14 414	8 163	6 448	(D)	(D)	29	6
1531	Operative builders .....	77	313	10 305	88 456	60 354	(D)	22 498	28 103	680	17	13
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	(S)	(S)	(S)	17 940	(S)	(S)	4 360	11 827	(D)	(S)	(S)
1542	Nonresidential buildings, n.e.c. ....	155	1 534	50 863	412 241	139 141	78 578	63 412	273 100	1 813	6	6

**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 code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added‡	Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted out to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
	<b>HARTFORD, CT MSA—Con.</b>											
<b>15,16,17</b>	<b>Construction industries—Con.</b>											
<b>16</b>	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction -----	76	2 171	74 996	353 591	276 514	121 684	158 528	77 078	14 643	2	2
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	17	462	16 283	53 400	44 665	29 198	15 675	8 735	849	4	6
1623	Water, sewer, and utility lines -----	40	547	18 310	48 951	(D)	29 994	15 187	(D)	776	7	(D)
1629	Heavy construction, n.e.c. -----	43	2 881	(D)	(D)	(D)	(D)	17 391	26 122	1 769	2	(D)
<b>17</b>	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air-conditioning-----	431	2 840	87 342	274 732	241 354	144 492	100 875	33 379	3 226	5	3
1721	Painting and paper hanging-----	181	678	16 705	(D)	(D)	32 814	9 850	2 122	752	11	(D)
1731	Electrical work -----	298	1 976	59 198	184 449	177 978	98 388	79 997	6 472	1 961	5	4
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work-----	175	1 243	32 679	89 097	84 100	(D)	29 691	4 997	403	12	9
1742	Plastering, drywall, and insulation work-----	100	678	19 100	52 003	47 766	31 313	16 492	4 237	659	6	6
1743	Terrazzo, tile, marble, and mosaic work-----	19	72	2 044	*7 941	*7 857	*4 482	*3 393	84	36	30	42
175	Carpentry and floor work:											
1751	Carpentry-----	227	625	13 384	49 681	44 825	27 031	17 811	4 856	547	10	11
1752	Floor laying and other floor work-----	55	363	(D)	40 992	(D)	21 195	16 391	(D)	(D)	22	(D)
1761	Roofing, siding, and sheet metal work-----	130	1 001	30 761	98 422	90 026	(D)	36 874	8 396	1 044	4	4
1771	Concrete work -----	143	504	(D)	(D)	(D)	20 740	(S)	(S)	(S)	15	(D)
1781	Water well drilling -----	8	36	1 010	3 170	3 066	1 438	1 628	104	(D)	16	14
179	Miscellaneous special trade contractors:											
1791	Structural steel erection-----	38	404	11 893	44 774	(D)	13 853	23 576	(D)	595	15	(D)
1793	Glass and glazing work-----	21	81	2 017	7 796	(D)	4 265	3 318	(D)	*34	23	(D)
1794	Excavation work-----	96	829	25 533	87 926	76 378	(D)	22 674	11 547	2 690	3	4
1795	Wrecking and demolition work-----	3	19	435	1 213	(D)	1 071	90	(D)	(D)	(Z)	(D)
1796	Installing building equipment, n.e.c.-----	14	253	11 088	(D)	(D)	21 493	5 287	(D)	(D)	(Z)	(D)
1799	Special trade contractors, n.e.c.-----	161	1 131	30 952	99 331	83 435	(D)	27 227	15 895	757	6	7

# Contents

## Maine

[Page numbers listed here omit the prefix that appears as part of the number of each page]

	Page
Summary of Findings .....	2

### FIGURES

1. Value of Construction Work by Type of Construction .....	3
2. Selected Costs per Dollar Value of Business Done .....	3

### TABLES

#### Statistics for Establishments With and Without Payroll

1. Summary Statistics by Industry: 1992 and 1987 .....	5
--	---

#### Statistics for Establishments With Payroll

2. General Statistics by Industry: 1992 and 1987 .....	6
3. Detailed Statistics: 1992 and Earlier Census Years .....	8
4. Assets, Capital Expenditures, and Depreciation: 1992 and 1987 .....	9
5. Value of Inventories: 1992 and 1991 .....	9
6. Selected Statistics by Employment Size Class: 1992 and 1987 .....	10
7. Selected Statistics by Size Class of Dollar Value of Business Done: 1992 and 1987 .....	10
8. Value of Construction Work by Type of Construction: 1992 and 1987 .....	11
9. Quarterly Construction Worker Employment by Industry: 1992 .....	12
10. Selected Industry Ratios in This State: 1992 .....	13
11. Selected Statistics for Selected Metropolitan Areas: 1992 .....	14

## 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*.<sup>1</sup> 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,

<sup>1</sup>*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.

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)

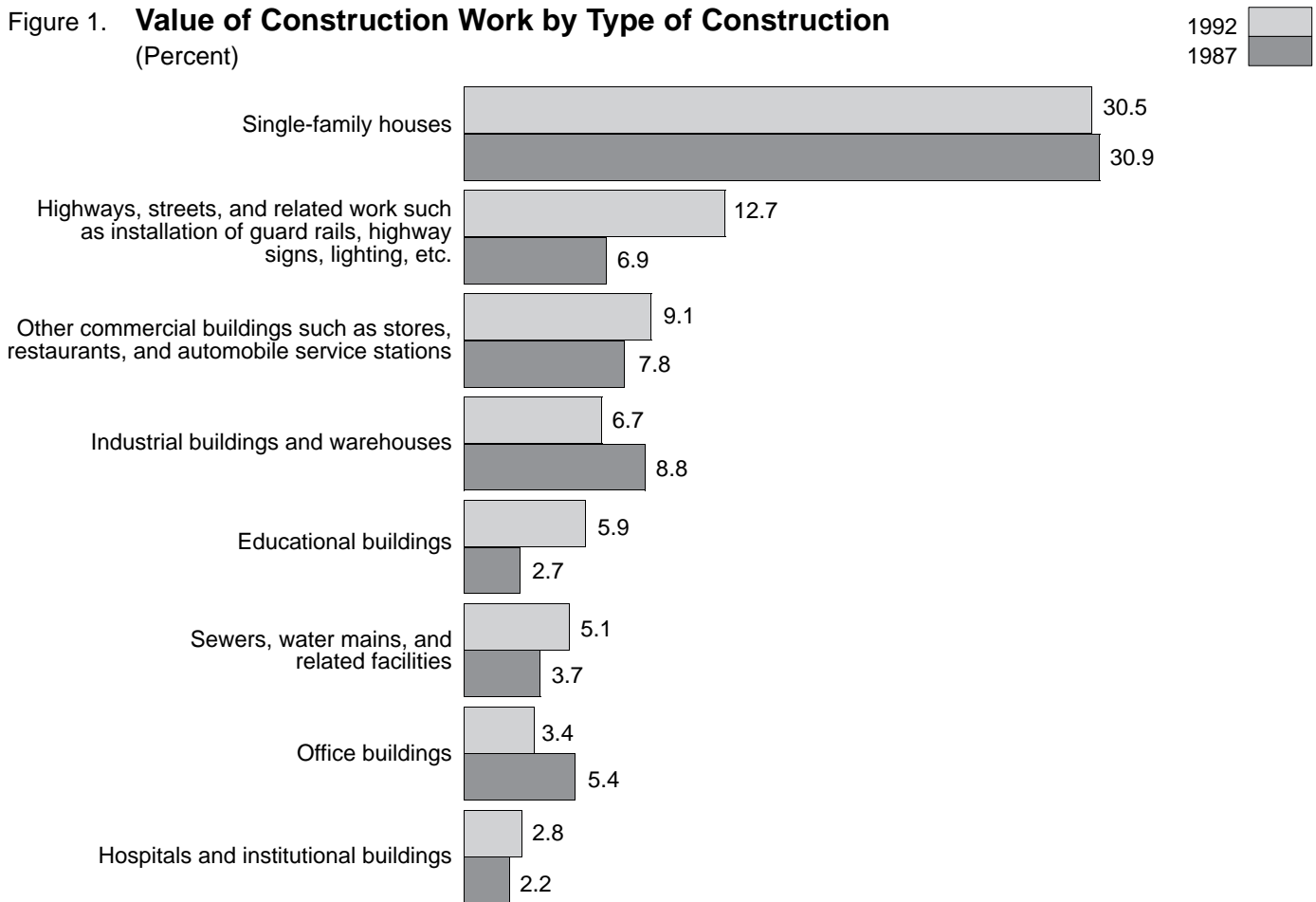
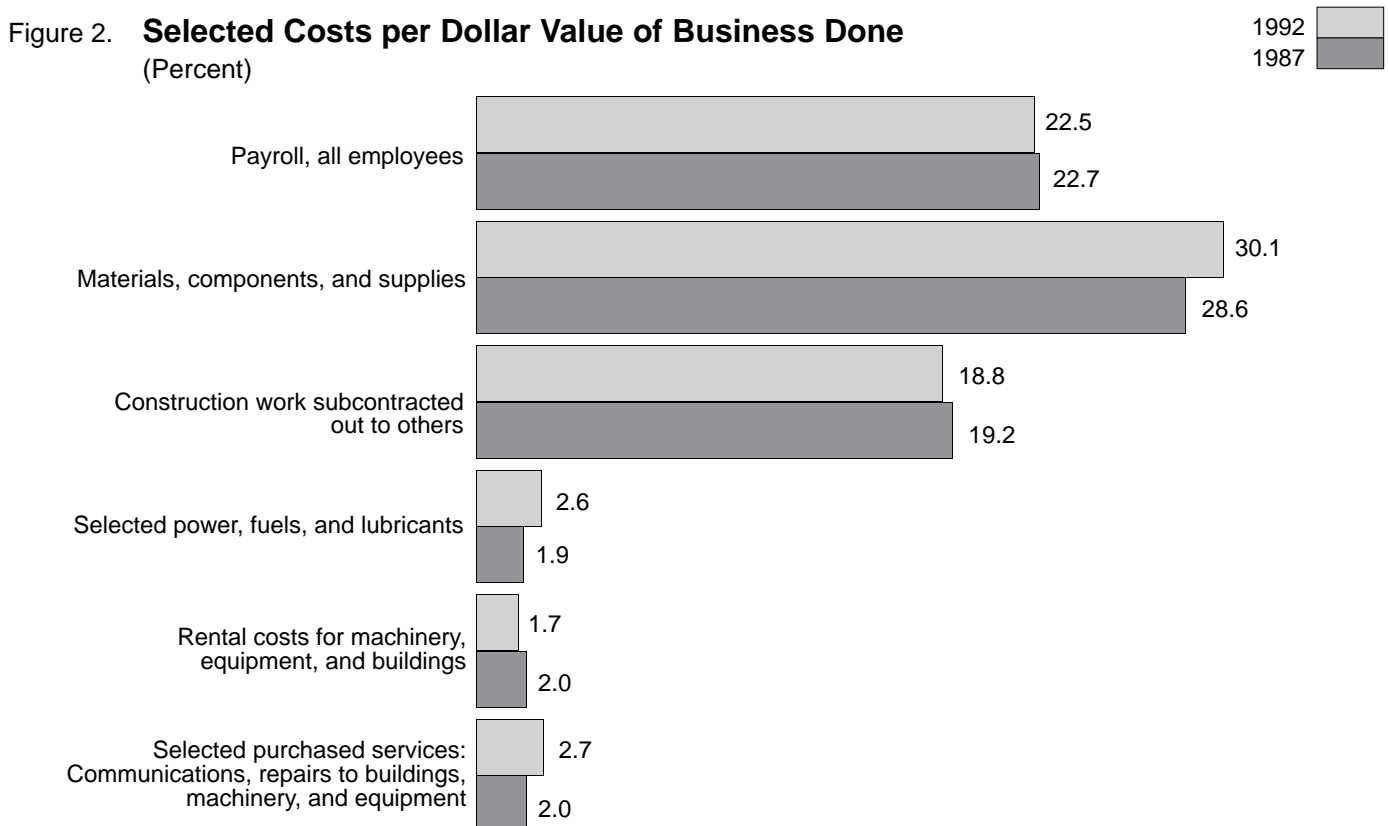


Figure 2. **Selected Costs per Dollar Value of Business Done**  
(Percent)



**Table 1. Summary Statistics for Establishments With and Without 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]

SIC code	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 partners	Dollar value of business done <sup>1</sup>	Number	Proprietors and working partners	All employees**	Dollar value of business done			
		A	B	C	D	E	F	G	H	I	J	K			J
<b>1992</b>															
15, 16, 17	Construction industries -----	15 960	13 794	21 445	2 327 515	11 967	11 869	310 176	3 993	1 925	21 445	2 017 339	2	2	
15	Building construction—General contractors and operative builders ----	2 928	2 172	5 169	766 817	1 710	1 623	80 557	1 218	549	5 169	686 260	4	5	
16	Heavy construction other than building construction—contractors -----	519	331	4 879	514 677	256	249	8 772	263	(S)	4 879	505 905	3	2	
17	Special trade contractors -----	12 512	11 290	11 397	1 046 021	10 001	9 997	220 847	2 511	1 293	11 397	825 174	3	3	
1711	Plumbing, heating, and air-conditioning --	1 328	1 050	2 318	232 571	833	817	32 991	495	233	2 318	199 580	5	5	
1731	Electrical work -----	1 185	965	1 543	138 275	822	816	19 869	363	149	1 543	118 406	7	7	
<b>1987</b>															
15, 16, 17	Construction industries <sup>2</sup> -----	16 008	12 957	32 706	3 356 436	11 583	11 498	554 644	4 425	1 459	32 706	2 801 792	2	2	
15	Building construction—General contractors and operative builders ----	3 372	2 231	9 948	1 236 365	1 910	1 822	141 369	1 462	409	9 948	1 094 996	3	3	
16	Heavy construction other than building construction—contractors -----	548	(D)	(D)	(D)	244	244	15 584	304	(D)	(D)	(D)	(D)	(D)	
17	Special trade contractors -----	11 683	10 077	15 062	1 276 194	9 065	9 108	291 613	2 618	969	15 062	984 581	3	3	
1711	Plumbing, heating, and air-conditioning --	1 114	800	2 875	250 606	693	692	35 817	421	108	2 875	214 789	5	5	
1731	Electrical work -----	999	758	2 065	153 286	644	643	21 701	355	115	2 065	131 585	5	5	

<sup>1</sup>For 1992, nonemployer records showing revenues greater than \$1 million were excluded. See Introduction text.

<sup>2</sup>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]

SIC code	Industry	1992							
		Number of establishments	Employees**		Payroll		Value of construction work	Net value of construction work†	Value added††
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
15, 16, 17	<b>Construction industries<sup>1</sup></b> .....	<b>3 993</b>	<b>21 445</b>	<b>16 585</b>	<b>453 040</b>	<b>334 492</b>	<b>1 949 900</b>	<b>1 571 233</b>	<b>979 122</b>
15	<b>Building construction—General contractors and operative builders:</b>								
152	General contractors, residential buildings:								
1521	Single-family houses .....	940	3 367	2 459	55 805	40 156	320 310	237 240	133 678
1522	Other residential buildings .....	46	116	95	1 457	980	8 749	6 616	3 854
1531	Operative builders .....	61	259	148	6 087	2 916	81 904	57 089	34 024
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses .....	50	400	306	9 484	6 295	50 302	31 433	18 412
1542	Nonresidential buildings, n.e.c. ....	121	1 028	738	25 859	16 261	209 698	91 410	52 503
16	<b>Heavy construction other than building construction—contractors:</b>								
1611	Highway and street construction .....	70	2 691	2 168	72 449	55 427	234 715	202 932	142 760
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction .....	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines .....	38	642	498	17 224	12 420	76 519	60 142	42 683
1629	Heavy construction, n.e.c. ....	153	1 452	1 160	34 874	27 384	155 056	127 181	84 988
17	<b>Special trade contractors:</b>								
1711	Plumbing, heating, and air-conditioning .....	495	2 318	1 607	52 208	35 548	191 826	172 185	107 541
1721	Painting and paper hanging .....	171	586	482	8 636	7 169	25 514	24 616	18 420
1731	Electrical work .....	363	1 543	1 192	35 347	26 512	113 860	110 485	64 717
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework .....	154	557	477	9 723	(D)	(D)	30 441	21 488
1742	Plastering, drywall, and insulation work .....	73	621	482	12 871	9 041	38 637	35 909	20 024
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	16 370	14 253	76 178	68 583	41 294
1752	Floor laying and other floor work .....	68	193	144	3 409	2 595	14 674	13 510	9 033
1761	Roofing, siding, and sheet metal work .....	125	746	604	16 429	11 363	58 014	56 732	30 318
1771	Concrete work .....	245	1 162	982	21 968	17 434	83 865	79 142	47 355
1781	Water well drilling .....	55	213	171	4 071	3 427	18 658	18 429	10 250
179	Miscellaneous special trade contractors:								
1791	Structural steel erection .....	7	(D)	58	* 1 797	* 1 458	* 4 375	* 4 375	* 2 690
1793	Glass and glazing work .....	11	38	23	799	400	3 338	3 329	1 394
1794	Excavation work .....	227	1 185	935	23 770	18 495	87 175	82 694	56 416
1795	Wrecking and demolition work .....	3	(S)	(S)	(S)	(S)	(S)	(D)	(S)
1796	Installing building equipment, n.e.c. ....	23	409	328	6 172	4 848	13 896	13 475	10 709
1799	Special trade contractors, n.e.c. ....	116	746	(D)	(D)	10 100	38 567	(D)	(D)

<sup>1</sup>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—			SIC code
Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted out to others	Value of construction work sub-contracted in from others	Rental cost of machinery, equipment, and buildings	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Value of construction work	Value added††	B	G	M	
I	J	K	L	M	N	O	P	Q				
659 550	378 667	428 976	33 824	47 760	549 794	32 706	2 701 081	1 374 526	2	2	5	15, 16, 17
												15
110 677	83 070	19 436	3 446	4 124	36 574	5 468	421 697	171 027	6	6	28	152
3 026	2 133	538	68	*86	408	787	103 294	33 702	28	27	56	1522
23 367	24 815	(S)	*952	*402	2 605	765	145 632	(D)	26	28	63	1531
(D)	18 869	(S)	776	(D)	12 935	365	66 774	13 692	11	7	(D)	154
46 369	118 289	*8 153	1 750	713	17 580	2 563	317 027	91 723	11	9	30	1542
												16
79 267	31 783	59 004	6 988	10 532	121 212	2 152	192 991	106 208	3	4	10	1611
(D)	(D)	184	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	162
22 178	16 377	24 837	1 259	2 916	44 189	932	103 797	61 580	7	6	5	1622
46 254	27 875	26 636	5 761	12 841	92 285	4 236	354 726	242 682	9	7	7	1623
												17
72 399	19 641	68 858	3 566	1 910	27 356	2 875	206 533	109 869	5	5	25	1711
6 428	898	10 839	768	615	3 797	1 218	39 157	31 023	11	10	19	1721
50 314	3 375	48 448	869	*1 136	10 897	2 065	131 004	76 734	7	6	44	1731
8 991	(D)	15 384	515	*857	12 076	1 103	48 684	34 530	14	14	46	174
16 678	(S)	33 520	*429	*22	5 684	1 522	106 069	76 901	16	15	42	1742
305	—	(D)	—	(D)	41	109	8 854	3 627	(D)	16	45	(D)
												175
27 426	7 595	14 383	725	1 040	7 860	1 628	101 329	53 604	11	12	24	1751
(D)	1 164	8 476	177	127	2 986	158	12 458	7 682	9	9	20	1752
26 626	1 282	24 702	651	*667	11 843	943	65 868	39 295	12	11	51	1761
31 787	4 724	26 472	741	2 374	33 740	1 086	65 415	35 026	9	9	19	1771
8 320	229	1 042	*357	*764	*27 220	181	15 591	11 403	29	24	45	1781
*1 685	—	(S)	(S)	(S)	(D)	37	2 308	1 455	(D)	51	(S)	179
2 380	9	2 422	170	(D)	(D)	37	3 692	1 496	(Z)	(Z)	(D)	1791
32 550	4 481	22 100	2 728	5 279	62 690	1 273	95 173	65 318	12	11	26	1794
(S)	(D)	(D)	(D)	(D)	(D)	(S)	(D)	*1 096	(S)	(D)	(D)	1795
(D)	421	2 296	171	*210	2 126	150	14 951	9 563	6	9	44	1796
17 976	(D)	6 651	638	*436	7 812	637	40 391	26 592	15	(D)	45	1799

CONSTRUCTION—GEOGRAPHIC AREA SERIES

MAINE ME-7

**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 .....	3 993	4 425	2 696	3 312	1	1	3	4
Proprietors and working partners.....	1 925	1 459	1 135	1 974	3	6	6	7
All employees** .....	21 445	32 706	17 490	19 606	2	2	3	2
Construction workers:								
March.....	12 410	22 417	11 024	13 472	2	2	3	3
May.....	16 792	27 470	14 690	18 310	2	2	2	3
August.....	19 802	30 640	16 970	19 407	2	2	3	2
November.....	17 336	26 590	15 354	16 476	2	2	4	2
Average.....	16 585	26 779	14 789	16 930	2	2	2	2
Other employees:								
March.....	4 745	6 078	2 641	3 155	3	7	4	3
May.....	4 812	5 771	(NA)	(NA)	3	2	(NA)	(NA)
August.....	4 825	5 988	(NA)	(NA)	3	2	(NA)	(NA)
November.....	5 059	5 867	(NA)	(NA)	3	3	(NA)	(NA)
Average.....	4 860	5 926	(NA)	(NA)	3	3	(NA)	(NA)
Payroll, all employees .....	453 040	636 884	251 290	191 037	1	1	2	2
Payroll, construction workers .....	334 492	488 532	201 362	158 830	1	1	2	2
Payroll, other employees .....	118 548	148 352	49 928	32 207	2	2	3	3
First-quarter payroll, all employees .....	86 446	130 758	48 830	37 372	2	2	2	2
Fringe benefits, all employees .....	107 728	145 534	47 285	31 520	2	1	2	2
Legally required expenditures.....	77 721	106 063	36 695	23 163	3	2	3	2
Voluntary expenditures.....	30 008	39 470	10 590	8 356	4	2	3	2
Dollar value of business done .....	2 017 339	2 801 792	1 015 302	736 249	2	2	2	2
Value of construction work .....	1 949 900	2 701 081	985 663	705 930	2	2	2	2
Value of construction work subcontracted in from others .....	428 976	605 725	180 370	140 972	5	7	5	3
Other business receipts .....	67 439	64 188	25 476	30 320	6	5	6	5
Net value of construction† .....	1 571 233	2 164 313	805 037	587 401	2	2	2	2
Value added†† .....	979 122	1 374 526	486 011	344 809	2	3	2	2
Selected costs .....	1 038 216	1 390 743	525 127	387 474	3	2	3	3
Materials, components, and supplies .....	607 730	801 561	315 710	250 647	2	2	2	3
Construction work subcontracted out to others .....	378 667	536 767	180 625	118 528	4	3	4	5
Selected power, fuels, and lubricants.....	51 819	52 414	28 791	18 299	3	2	3	3
Electricity.....	7 131	6 397	3 290	1 814	6	3	3	6
Natural gas.....	1 223	940	546	295	8	9	18	23
Gasoline and diesel fuel .....	37 769	40 882	23 058	14 202	3	3	4	3
On highway use.....	25 883	28 474	(NA)	(NA)	3	3	(NA)	(NA)
Off highway use.....	11 886	12 408	(NA)	(NA)	5	3	(NA)	(NA)
Other, including lubricating oils and greases.....	5 696	4 193	1 896	1 988	5	5	5	8
Rental cost for machinery, equipment, and buildings .....	33 824	55 706	23 769	10 391	6	3	2	2
For machinery and equipment .....	22 885	45 034	21 113	8 971	8	4	2	3
For buildings.....	10 939	10 671	2 656	1 421	8	6	8	6
Selected purchased services .....	53 859	55 607	23 718	19 728	6	3	4	3
Communication services .....	12 598	11 127	4 763	3 906	10	4	4	6
Repairs to buildings and other structures .....	1 791	4 840	1 141	667	14	10	9	14
Repairs to machinery and equipment .....	39 471	39 639	17 814	15 155	6	4	4	3
Ownership of construction projects:								
Value of construction work .....	1 949 900	2 701 081	985 663	705 930	2	2	2	2
Government owned .....	534 025	468 953	282 934	148 764	4	4	6	1
Federal .....	91 590	168 760	(NA)	(NA)	9	7	(NA)	(NA)
State and local .....	442 435	300 192	(NA)	(NA)	4	5	(NA)	(NA)
Privately owned .....	1 415 875	2 232 127	702 728	557 166	4	3	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 4. Assets, Capital Expenditures, and Depreciation 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]

Item	1992	1987	Relative standard error of estimate (percent)	
			1992	1987
<b>BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT</b>				
Beginning-of-year gross book value of depreciable assets .....	521 735	481 358	5	5
Capital expenditures, other than land .....	47 760	89 436	5	6
New .....	35 083	74 387	4	6
Used .....	12 676	15 049	13	15
Retirements and disposition of depreciable assets .....	19 701	25 466	11	18
End-of-year gross book value of depreciable assets .....	549 794	545 329	5	4
Depreciation charges during year .....	58 229	65 430	6	5
<b>Buildings and Other Structures, Additions, and Related Facilities</b>				
Beginning-of-year gross book value of depreciable assets .....	62 858	80 095	12	9
Capital expenditures, other than land .....	3 519	11 445	11	12
New buildings and other structures .....	2 918	8 024	8	12
Used buildings and other structures .....	(S)	3 420	(S)	29
Retirements and disposition of depreciable assets .....	*1 772	1 441	67	27
End-of-year gross book value of depreciable assets .....	64 604	90 099	12	9
Depreciation charges during year .....	6 927	8 458	23	14
<b>Machinery and Equipment</b>				
Beginning-of-year gross book value of depreciable assets .....	458 878	401 263	6	5
Capital expenditures, other than land .....	44 241	77 991	5	7
New machinery and equipment, including automobiles and trucks .....	32 166	66 362	5	7
New automobiles and trucks, intended primarily for highway use .....	10 357	31 745	10	10
Used machinery and equipment, including automobiles and trucks .....	12 075	11 629	13	18
Retirements and disposition of depreciable assets .....	17 928	24 025	10	19
End-of-year gross book value of depreciable assets .....	485 190	455 229	5	5
Depreciation charges during year .....	51 302	56 971	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]

Item	Establishments with payroll	Relative standard error of estimate (percent)
<b>All establishments:</b>		
Number .....	3 993	1
Value of construction work .....	1 949 900	2
<b>Establishments with inventories:</b>		
Number .....	1 401	4
Value of construction work .....	1 005 776	2
<b>Inventories<sup>1</sup>:</b>		
End of 1992, materials and supplies .....	32 676	12
End of 1991, materials and supplies .....	35 850	9
<b>Establishments with no inventories:</b>		
Number .....	1 273	5
Value of construction work .....	624 186	4
<b>Establishments not reporting:</b>		
Number .....	1 319	4
Value of construction work .....	319 939	6

<sup>1</sup>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—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
<b>1992</b>										
Number of establishments .....	3 993	2 886	623	324	122	25	10	1	—	1
All employees** .....	21 445	5 160	3 947	4 221	3 442	1 645	3 032	(D)	—	(D)
Payroll, all employees .....	453 040	78 494	74 711	96 337	81 798	42 036	79 664	(D)	—	(D)
Dollar value of business done .....	2 017 339	424 014	322 697	452 892	358 359	182 716	276 660	(D)	—	(D)
Value of construction work .....	1 949 900	416 135	312 949	441 394	341 345	175 700	262 377	(D)	—	(D)
Net value of construction work† .....	1 571 233	362 845	262 108	339 122	251 812	135 038	220 309	(D)	—	(D)
Value added†† .....	979 122	217 161	156 500	208 503	159 151	86 681	151 126	(D)	—	(D)
Cost of materials, components, supplies, and fuels .....	659 550	153 563	115 356	142 117	109 675	55 372	83 466	(D)	—	(D)
Cost of construction work subcontracted out to others .....	378 667	53 290	50 841	102 271	89 533	40 663	42 068	(D)	—	(D)
Rental cost for machinery, equipment, and buildings .....	33 824	5 913	5 899	6 033	7 215	3 380	5 383	(D)	—	(D)
Capital expenditures, other than land .....	47 760	6 758	5 719	6 831	7 216	5 411	15 825	(D)	—	(D)
End-of-year gross book value of depreciable assets .....	549 794	99 657	76 537	76 230	108 055	75 723	113 592	(D)	—	(D)
<b>1987</b>										
All employees** .....	32 706	(S)	6 572	4 424	6 603	3 204	2 771	3 465	—	(D)
Value of construction work .....	2 701 081	(S)	454 126	338 827	571 188	329 913	556 586	(D)	—	(D)
Value added†† .....	1 374 526	(S)	251 744	178 188	263 499	147 546	126 537	194 532	—	(D)
<b>1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)</b>										
All employees** .....	2	5	9	7	5	5	(Z)	(D)	—	(D)
Net value of construction work† .....	2	6	9	7	4	4	(Z)	(D)	—	(D)
Capital expenditures, other than land .....	5	16	25	19	8	(Z)	(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—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
<b>1992</b>											
Number of establishments .....	3 993	(S)	(S)	702	1 262	693	357	255	73	31	19
All employees** .....	21 445	(S)	(S)	1 072	2 965	3 217	3 323	3 770	2 169	1 180	3 276
Payroll, all employees .....	453 040	(S)	(S)	12 883	45 088	57 260	62 797	90 690	55 067	30 782	94 577
Dollar value of business done .....	2 017 339	(S)	(S)	51 085	199 433	245 501	251 527	403 573	241 264	200 914	408 030
Value of construction work .....	1 949 900	(S)	(S)	50 229	195 530	238 867	242 264	388 645	237 183	194 212	387 091
Net value of construction work† .....	1 571 233	(S)	(S)	47 523	178 258	215 145	211 070	313 596	190 511	113 492	287 035
Value added†† .....	979 122	(S)	(S)	28 936	107 788	130 386	135 547	185 566	114 081	74 527	193 661
Cost of materials, components, supplies, and fuels .....	659 550	(S)	(S)	19 443	74 373	91 393	84 786	142 957	80 511	45 667	114 313
Cost of construction work subcontracted out to others .....	378 667	(S)	(S)	2 706	17 272	23 723	31 194	75 050	46 672	80 720	100 056
Rental cost for machinery, equipment, and buildings .....	33 824	(S)	(S)	514	2 798	4 838	2 702	5 897	6 658	3 069	7 086
Capital expenditures, other than land .....	47 760	(S)	(S)	1 136	2 815	5 507	3 291	6 789	5 956	3 049	18 774
End-of-year gross book value of depreciable assets .....	549 794	(S)	(S)	(S)	48 412	103 667	19 544	86 236	82 722	48 492	147 887
<b>1987</b>											
All employees** .....	32 706	(S)	(S)	(S)	(S)	4 165	4 090	5 658	3 576	2 427	6 299
Value of construction work .....	2 701 081	(S)	(S)	(S)	(S)	281 872	302 896	464 032	360 255	300 147	691 462
Value added†† .....	1 374 526	(S)	(S)	(S)	(S)	142 123	169 048	229 517	196 028	125 721	346 895
<b>1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)</b>											
All employees** .....	2	(S)	(S)	11	8	9	9	7	4	7	(Z)
Net value of construction work† .....	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	A	B	C	D
<b>1992</b>								
<b>Value of construction work</b> .....	<b>1 949 900</b>	<b>936 444</b>	<b>555 048</b>	<b>329 790</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>3</b>
Building construction .....	1 236 155	686 348	327 801	222 006	3	4	4	5
Single-family houses .....	594 287	355 437	141 631	97 218	5	8	6	8
Single-family houses, detached .....	567 628	336 628	137 666	93 334	5	8	6	9
Single-family houses, attached, including townhouses and townhouse-type condominiums .....	26 659	18 810	3 966	3 883	23	31	20	22
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives .....	42 862	23 864	10 704	8 294	11	17	18	16
Other residential buildings, including hotels, motels, and tourist cabins.....	14 431	5 109	4 925	4 397	14	21	23	24
Office buildings .....	66 781	33 256	22 231	11 295	8	9	13	14
Other commercial buildings such as stores, restaurants, and automobile service stations .....	176 535	109 769	43 234	23 532	7	7	16	11
Industrial buildings and warehouses .....	131 609	56 305	38 253	37 051	5	7	8	8
Industrial buildings .....	111 184	43 411	33 766	34 007	5	8	9	8
Warehouses .....	20 425	12 895	4 487	3 043	10	10	14	21
Educational buildings .....	115 613	52 829	36 619	26 164	8	6	18	9
Hospitals and institutional buildings .....	55 335	29 923	21 437	3 976	9	9	13	12
Other nonresidential buildings .....	38 701	19 855	8 766	10 081	15	27	17	5
Nonbuilding construction.....	585 128	250 097	227 247	107 784	2	4	3	5
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc. ....	247 103	64 499	147 705	34 899	3	7	3	7
Private driveways and parking areas .....	23 632	16 220	3 326	4 085	15	17	13	23
Bridges, tunnels, and elevated highways .....	16 192	8 033	7 245	914	(Z)	(Z)	(Z)	2
Marine construction .....	14 115	(D)	(D)	2 906	19	(D)	(D)	38
Conservation and development construction .....	46 692	37 363	8 475	(S)	13	15	24	(S)
Power and communication transmission lines, towers, and related facilities.....	12 527	(D)	(D)	838	31	34	35	16
Sewers, water mains, and related facilities.....	100 195	65 039	22 184	12 972	5	6	8	7
Sewers, sewer lines, septic systems, and related facilities .....	70 106	47 416	17 119	5 572	5	6	6	13
Water mains and related facilities.....	30 088	17 623	5 065	(S)	7	8	19	(S)
Blast furnaces, petroleum refineries, chemical complexes, etc. ....	38 086	9 280	5 686	23 119	4	4	2	4
Power plants .....	17 708	(D)	(D)	13 290	17	(D)	(D)	22
Sewage treatment and water treatment plants .....	25 139	20 881	2 275	1 983	5	2	9	35
Sewage treatment plants .....	13 142	11 951	632	*559	3	1	10	57
Water treatment plants .....	11 997	8 930	1 643	*1 424	10	5	12	43
Other nonbuilding construction .....	43 739	12 956	18 861	11 923	10	20	10	15
Construction work, n.s.k.....	128 617	(NA)	(NA)	(NA)	11	(NA)	(NA)	(NA)
<b>1987</b>								
<b>Value of construction work</b> .....	<b>2 701 081</b>	<b>1 619 158</b>	<b>638 636</b>	<b>297 264</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>3</b>
Building construction .....	1 794 860	1 196 541	408 080	172 640	3	4	3	4
Single-family houses .....	833 750	613 394	144 946	75 409	4	5	6	7
Single-family houses, detached .....	664 039	459 488	134 461	70 089	4	6	7	7
Single-family houses, attached, including townhouses and townhouse-type condominiums .....	169 710	153 905	10 484	5 320	10	10	14	21
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives .....	93 140	68 853	16 707	7 579	8	10	18	20
Other residential buildings, including hotels, motels, and tourist cabins.....	96 320	63 028	22 649	10 642	10	13	13	18
Office buildings .....	146 106	103 235	34 132	8 738	4	4	9	6
Other commercial buildings such as stores, restaurants, and automobile service stations .....	209 542	125 890	65 609	18 042	4	4	9	11
Industrial buildings and warehouses .....	236 367	152 031	46 439	37 896	11	16	4	9
Industrial buildings .....	183 697	115 566	32 562	35 567	13	20	6	9
Warehouses .....	52 670	36 465	13 876	2 329	8	11	3	11
Educational buildings .....	72 262	33 310	34 042	4 909	9	8	15	9
Hospitals and institutional buildings .....	59 104	27 420	26 888	4 795	8	13	8	9
Other nonresidential buildings .....	48 269	21 639	19 116	7 521	(NA)	(NA)	(NA)	(NA)
Nonbuilding construction.....	760 200	410 358	228 108	121 734	2	3	2	3
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc. ....	186 478	100 465	54 514	31 498	6	7	7	7
Private driveways and parking areas .....	16 877	12 543	*2 045	2 287	21	23	46	37
Power and communication transmission lines, towers, and related facilities.....	23 750	15 653	5 446	2 650	12	16	8	15
Sewers, water mains, and related facilities.....	100 986	75 339	16 269	9 377	6	6	9	14
Sewers, sewer lines, septic systems, and related facilities .....	63 519	49 328	8 182	6 008	5	5	6	20
Water mains and related facilities.....	37 466	26 010	8 087	3 368	12	14	15	14
Power plants .....	99 770	75 256	2 557	21 956	(Z)	(Z)	1	(Z)
Sewage treatment and water treatment plants .....	14 476	13 645	441	389	8	8	(Z)	8
Other nonbuilding construction .....	317 863	117 457	146 836	53 577	(NA)	(NA)	(NA)	(NA)
Construction work, n.s.k.....	146 021	(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**

[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 code	Industry	Number of establishments	Average number of construction workers	Construction workers <sup>1</sup>				Relative standard error of estimate (percent) for column—						
				January to March	April to June	July to September	October to December	A	B	C	D	E	F	
				A	B	C	D	E	F	A	B	C	D	E
<b>15, 16, 17</b>	<b>Construction industries -----</b>	<b>3 993</b>	<b>16 585</b>	<b>12 410</b>	<b>16 792</b>	<b>19 802</b>	<b>17 336</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
<b>15</b>	<b>Building construction—General contractors and operative builders:</b>													
152	General contractors, residential buildings:													
1521	Single-family houses -----	940	2 459	2 079	2 550	2 870	2 338	4	6	7	6	6	6	6
1522	Other residential buildings -----	46	95	78	90	136	75	34	33	37	33	36	36	36
1531	Operative builders -----	61	148	94	175	187	137	25	33	37	31	34	34	34
154	General contractors, nonresidential buildings:													
1541	Industrial buildings and warehouses -----	50	306	176	202	410	433	31	12	17	15	15	7	7
1542	Nonresidential buildings, n.e.c. ---	121	738	632	716	778	825	16	12	11	13	13	13	13
<b>16</b>	<b>Heavy construction other than building construction—contractors:</b>													
1611	Highway and street construction ----	70	2 168	1 481	2 296	2 525	2 371	13	3	2	3	3	3	4
162	Heavy construction, except highway:													
1622	Bridge, tunnel, and elevated highway construction -----	3	(D)	(D)	(D)	(D)	(D)	(Z)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines ----	38	498	331	519	598	544	24	7	8	7	9	9	9
1629	Heavy construction, n.e.c. -----	153	1 160	731	1 104	1 511	1 294	16	9	12	9	10	10	9
<b>17</b>	<b>Special trade contractors:</b>													
1711	Plumbing, heating, and air-conditioning -----	495	1 607	1 382	1 581	1 876	1 589	4	5	5	5	4	6	6
1721	Painting and paper hanging -----	171	482	329	462	614	524	8	11	12	11	12	15	15
1731	Electrical work -----	363	1 192	1 088	1 098	1 355	1 227	5	7	8	7	9	8	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	14
1742	Plastering, drywall, and insulation work -----	73	482	452	490	459	526	18	15	14	14	17	15	15
1743	Terrazzo, tile, marble, and mosaic work -----	6	11	*10	11	11	*10	24	39	42	39	39	42	42
175	Carpentry and floor work:													
1751	Carpentry -----	369	840	659	844	1 015	840	6	10	11	10	11	11	11
1752	Floor laying and other floor work --	68	144	149	149	150	129	15	12	14	11	12	13	13
1761	Roofing, siding, and sheet metal work -----	125	604	471	582	694	671	15	13	10	13	13	14	14
1771	Concrete work -----	245	982	473	1 098	1 351	1 008	9	9	10	10	9	10	10
1781	Water well drilling -----	55	171	153	173	178	180	20	28	28	28	27	27	27
179	Miscellaneous special trade contractors:													
1791	Structural steel erection -----	7	58	(S)	58	74	60	35	37	(S)	36	31	37	37
1793	Glass and glazing work -----	11	23	22	21	23	25	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
1794	Excavation work -----	227	935	540	1 037	1 224	937	12	12	15	12	12	12	12
1795	Wrecking and demolition work -----	3	(S)	(S)	(S)	(S)	(S)	(Z)	(S)	(S)	(S)	(S)	(S)	(S)
1796	Installing building equipment, n.e.c. -----	23	328	215	301	369	425	34	8	7	9	7	6	6
1799	Special trade contractors, n.e.c. ---	116	(D)	(D)	(D)	(D)	(D)	16	(D)	(D)	(D)	(D)	(D)	(D)

<sup>1</sup>Construction workers during pay periods including 12th of March, May, August, and November.

**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]

SIC code	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				
					Payroll, all employees	Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted out to others	Value of construction work sub-contracted in from others	Rental cost for machinery, equipment, and buildings
<b>15, 16, 17</b>	<b>Construction industries -----</b>	<b>5.4</b>	<b>21.1</b>	<b>117.6</b>	<b>.232</b>	<b>.338</b>	<b>.194</b>	<b>.220</b>	<b>.017</b>
<b>15</b>	<b>Building construction—General contractors and operative builders:</b>								
152	General contractors, residential buildings:								
1521	Single-family houses -----	3.6	16.6	130.3	.174	.346	.259	.061	.011
1522	Other residential buildings -----	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
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	8.0	23.7	164.4	.189	(D)	.375	(S)	.015
1542	Nonresidential buildings, n.e.c. -----	8.5	25.2	284.1	.123	.221	.564	*.039	.008
<b>16</b>	<b>Heavy construction other than building construction—contractors:</b>								
1611	Highway and street construction -----	38.7	26.9	108.3	.309	.338	.135	.251	.030
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines -----	16.9	26.8	153.7	.225	.290	.214	.325	.016
1629	Heavy construction, n.e.c. -----	9.5	24.0	133.7	.225	.298	.180	.172	.037
<b>17</b>	<b>Special trade contractors:</b>								
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	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework -----	3.6	17.5	(D)	(D)	(D)	(D)	(D)	(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	16.7	90.7	.215	.360	.100	.189	.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	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	(D)	(D)	75.4	.411	.385	—	(S)	(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	Wrecking and demolition work -----	(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**

[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 code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added‡	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
<b>BOSTON-WORCESTER-LAWRENCE, MA-NH-ME-CT CMSA</b>												
15,16,17	Construction industries .....	12 243	81 838	2 373 923	10 850 651	7 795 632	4 779 944	3 171 595	3 055 019	114 237	1	1
15	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	(S) 5 708	110 750	706 759	493 053	242 509	263 814	213 705	6 606	5	5	
1522	Other residential buildings .....	175 813	22 429	112 671	72 527	46 531	29 106	40 144	807	13	12	
1531	Operative builders .....	385	1 578	44 821	682 250	442 959	218 538	236 385	239 291	2 619	7	14
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	156 1 029	32 600	206 537	101 940	73 206	30 157	104 597	(S) 10	6		
1542	Nonresidential buildings, n.e.c. ....	661 7 636	251 621	2 297 588	792 724	406 931	422 836	1 504 864	8 797	3	2	
16	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction .....	186	2 376	76 098	351 410	283 480	167 496	119 003	67 930	9 828	4	3
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction.....	29	1 356	61 789	459 022	308 945	202 177	108 555	150 077	6 415	3	1
1623	Water, sewer, and utility lines .....	240	2 825	88 879	361 351	287 073	179 918	113 000	74 277	13 030	5	4
1629	Heavy construction, n.e.c. ....	265	5 716	231 386	916 111	708 579	507 539	208 904	207 533	11 223	1	1
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air-conditioning .....	1 823	11 509	353 357	1 207 486	1 033 712	613 810	435 086	173 774	10 922	2	2
1721	Painting and paper hanging.....	614	2 761	55 356	148 651	138 536	104 643	34 419	10 115	2 239	5	6
1731	Electrical work .....	1 468	10 685	339 496	1 016 518	969 186	600 178	382 086	47 332	8 411	2	2
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work.....	(S) 2 317	51 729	165 144	154 433	107 492	47 573	10 711	1 838	10	5	
1742	Plastering, drywall, and insulation work .....	429	3 271	89 477	287 958	256 401	164 927	94 202	31 557	2 020	9	9
1743	Terrazzo, tile, marble, and mosaic work .....	74	282	(S) 20 828	20 031	(S) 8 978	*797	(S) 17	12			
175	Carpentry and floor work:											
1751	Carpentry .....	924	3 085	67 890	287 397	237 944	132 041	108 826	49 453	(S) 6	6	
1752	Floor laying and other floor work .....	244	969	21 663	122 958	(D) 51 223	58 862	(D) 829	(D) 8	(D) 8		
1761	Roofing, siding, and sheet metal work .....	431	2 833	71 126	252 638	232 396	138 680	96 777	20 242	(S) 5	5	
1771	Concrete work .....	506	2 796	63 312	229 191	212 292	132 871	80 223	16 899	4 478	6	5
1781	Water well drilling .....	59	344	10 038	32 704	32 475	20 418	12 117	228	671	13	12
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	97	1 818	58 940	150 435	(D) 103 748	34 133	(D) 2 110	7	(D) 7		
1793	Glass and glazing work .....	98	527	12 828	41 966	41 197	26 199	18 892	(S) *174	10	12	
1794	Excavation work .....	417	2 138	55 937	206 929	181 644	135 178	55 880	25 285	5 767	9	8
1795	Wrecking and demolition work .....	(S) 342	8 672	33 380	29 628	25 313	4 978	3 752	537	2	2	
1796	Installing building equipment, n.e.c. ....	104	2 698	74 030	219 189	212 956	159 611	54 929	6 233	1 411	1	1
1799	Special trade contractors, n.e.c. ....	502	4 428	111 827	333 580	308 834	206 493	111 877	24 745	8 170	5	5
<b>Boston, MA-NH PMSA</b>												
15,16,17	Construction industries .....	6 890	49 004	1 486 300	7 345 622	5 037 835	3 091 565	2 036 809	2 307 788	63 841	1	1
(See appropriate State for SIC detail.)												
<b>Brockton, MA PMSA</b>												
15,16,17	Construction industries .....	545	3 110	82 089	306 915	253 477	165 924	94 379	53 437	3 003	4	3
(See appropriate State for SIC detail.)												
<b>Fitchburg-Leominster, MA PMSA</b>												
15,16,17	Construction industries .....	269	1 302	32 635	128 736	104 319	61 979	46 007	24 417	1 269	10	9
(See appropriate State for SIC detail.)												
<b>Lawrence, MA-NH PMSA</b>												
15,16,17	Construction industries .....	817	5 082	124 320	496 532	402 893	259 128	152 254	93 639	14 205	2	2
(See appropriate State for SIC detail.)												

ME-14 MAINE

CONSTRUCTION—GEOGRAPHIC AREA SERIES

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 code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added‡	Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted out to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
	<b>BOSTON-WORCESTER-LAWRENCE, MA-NH-ME-CT CMSA—Con.</b>											
	<b>Lowell, MA-NH PMSA</b>											
15,16,17	Construction industries -----	711	4 158	107 067	528 670	419 261	238 826	188 724	109 408	9 495	3	4
	(See appropriate State for SIC detail.)											
	<b>Manchester, NH PMSA</b>											
15,16,17	Construction industries -----	504	3 407	87 906	396 764	286 943	157 297	137 693	109 821	4 018	5	5
	(See appropriate State for SIC detail.)											
	<b>Nashua, NH PMSA</b>											
15,16,17	Construction industries -----	359	2 564	69 678	304 805	209 941	135 141	90 245	94 864	2 972	3	3
	(See appropriate State for SIC detail.)											
	<b>New Bedford, MA PMSA</b>											
15,16,17	Construction industries -----	322	1 346	29 494	120 156	103 574	65 071	39 438	16 582	2 690	9	7
	(See appropriate State for SIC detail.)											
	<b>Portsmouth-Rochester, NH-ME PMSA</b>											
15,16,17	Construction industries -----	714	2 907	64 307	262 556	224 525	132 790	96 814	38 030	4 418	7	7
15	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses -----	(S)	538	8 472	45 437	35 262	17 551	18 087	10 175	680	21	20
1522	Other residential buildings -----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	(D)	(D)
1531	Operative builders -----	*20	47	1 136	*15 200	*10 391	*2 394	*7 997	*4 809	(D)	38	55
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses -----	*13	*87	1 929	*9 286	*6 631	*3 829	*2 802	2 655	54	53	47
1542	Nonresidential buildings, n.e.c. -----	(S)	34	1 141	6 885	2 271	1 445	(S)	(S)	(D)	28	34
16	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction -----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction -----	(S)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	(D)	(D)
1623	Water, sewer, and utility lines -----	*12	(S)	(S)	(S)	(D)	(S)	(S)	(D)	(D)	(S)	(D)
1629	Heavy construction, n.e.c. -----	*16	98	2 092	11 821	(D)	5 541	3 904	(D)	*759	32	(D)
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air-conditioning -----	(S)	540	14 696	44 988	41 963	27 053	14 987	3 026	(S)	12	11
1721	Painting and paper hanging -----	21	97	(S)	2 560	2 354	2 074	590	*206	(S)	31	35
1731	Electrical work -----	76	255	7 383	24 665	24 489	14 432	10 131	177	(D)	21	24
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work -----	(S)	*39	*588	(D)	*1 976	*1 204	*777	(D)	(D)	59	46
1742	Plastering, drywall, and insulation work -----	*12	30	623	2 595	(D)	1 353	1 210	(D)	(D)	25	(D)
1743	Terrazzo, tile, marble, and mosaic work -----	3	(D)	(S)	*265	*258	*159	*102	*6	(D)	(D)	45
175	Carpentry and floor work:											
1751	Carpentry -----	53	113	1 853	7 771	6 528	4 019	2 511	*1 243	(S)	29	26
1752	Floor laying and other floor work -----	*26	55	*1 174	*4 941	*4 631	*2 259	*2 378	310	(D)	37	44
1761	Roofing, siding, and sheet metal work -----	*33	167	2 665	12 495	11 792	7 679	*4 196	703	(D)	29	35
1771	Concrete work -----	47	191	3 281	13 733	13 551	6 591	7 058	*183	*405	36	34
1781	Water well drilling -----	*5	*36	*921	*3 133	*3 133	*1 992	*1 141	—	*62	65	57
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	*14	*60	*1 121	*3 865	(D)	*2 412	*1 333	(D)	(S)	53	(D)
1793	Glass and glazing work -----	(S)	(D)	(D)	(D)	(D)	(D)	(D)	—	—	(D)	(D)
1794	Excavation work -----	42	*145	*2 644	*8 062	*7 605	*5 009	*3 508	*458	(D)	42	44
1795	Wrecking and demolition work -----	1	(D)	(D)	(D)	(D)	(D)	(D)	—	—	(D)	(D)
1796	Installing building equipment, n.e.c. -----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	(D)	(D)
1799	Special trade contractors, n.e.c. -----	(S)	116	*4 338	*13 453	*12 286	*7 427	*5 334	*1 167	45	35	49

CONSTRUCTION—GEOGRAPHIC AREA SERIES

MAINE ME-15

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 code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted out to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
15,16,17	<b>BOSTON-WORCESTER-LAWRENCE, MA-NH-ME-CT CMSA—Con.</b>											
	<b>Worcester, MA—CT PMSA</b>											
	Construction industries ----- (See appropriate State for SIC detail.)	1 112	8 958	290 127	959 896	752 864	472 223	289 233	207 032	8 326	3	3

# Contents

## Massachusetts

[Page numbers listed here omit the prefix that appears as part of the number of each page]

	Page
Summary of Findings .....	2

### FIGURES

1. Value of Construction Work by Type of Construction .....	3
2. Selected Costs per Dollar Value of Business Done .....	3

### TABLES

#### Statistics for Establishments With and Without Payroll

1. Summary Statistics by Industry: 1992 and 1987 .....	5
--	---

#### Statistics for Establishments With Payroll

2. General Statistics by Industry: 1992 and 1987 .....	6
3. Detailed Statistics: 1992 and Earlier Census Years .....	8
4. Assets, Capital Expenditures, and Depreciation: 1992 and 1987 .....	9
5. Value of Inventories: 1992 and 1991 .....	9
6. Selected Statistics by Employment Size Class: 1992 and 1987 .....	10
7. Selected Statistics by Size Class of Dollar Value of Business Done: 1992 and 1987 .....	10
8. Value of Construction Work by Type of Construction: 1992 and 1987 .....	11
9. Quarterly Construction Worker Employment by Industry: 1992 .....	12
10. Selected Industry Ratios in This State: 1992 .....	13
11. Selected Statistics for Selected Metropolitan Areas: 1992 .....	14

## 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*.<sup>1</sup> 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

<sup>1</sup>*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.

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)

1992   
1987 

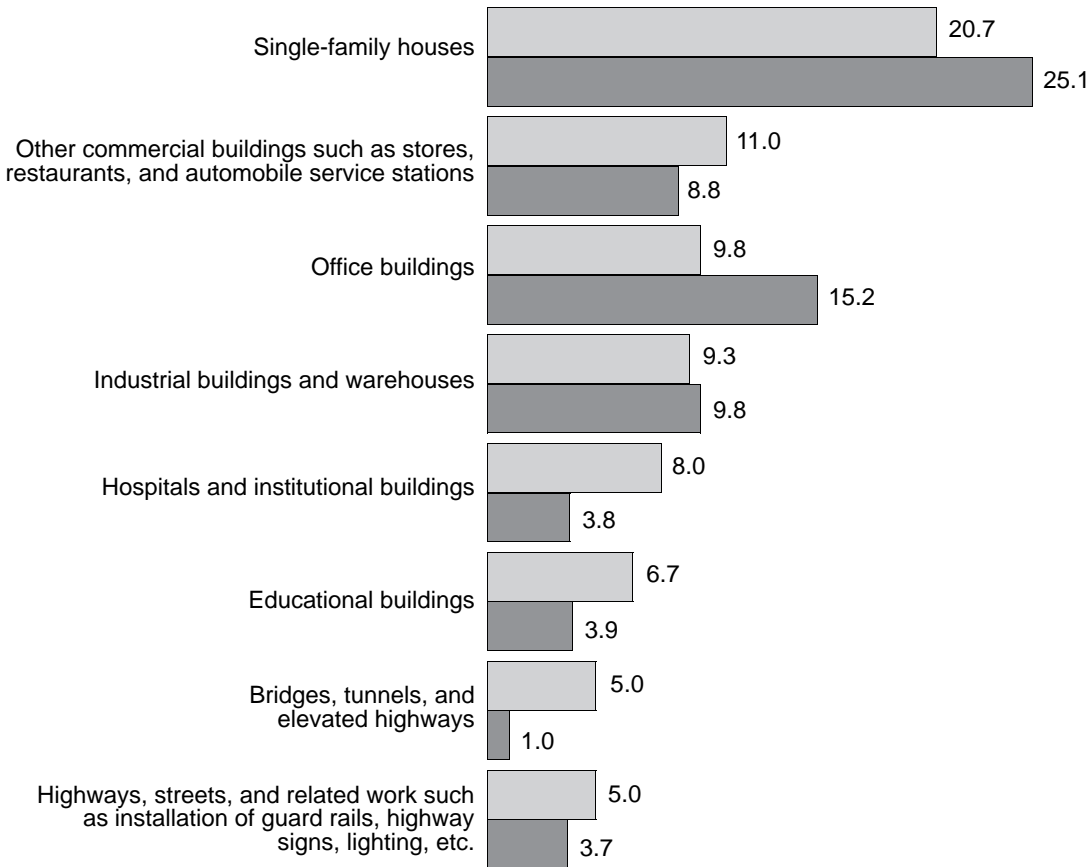


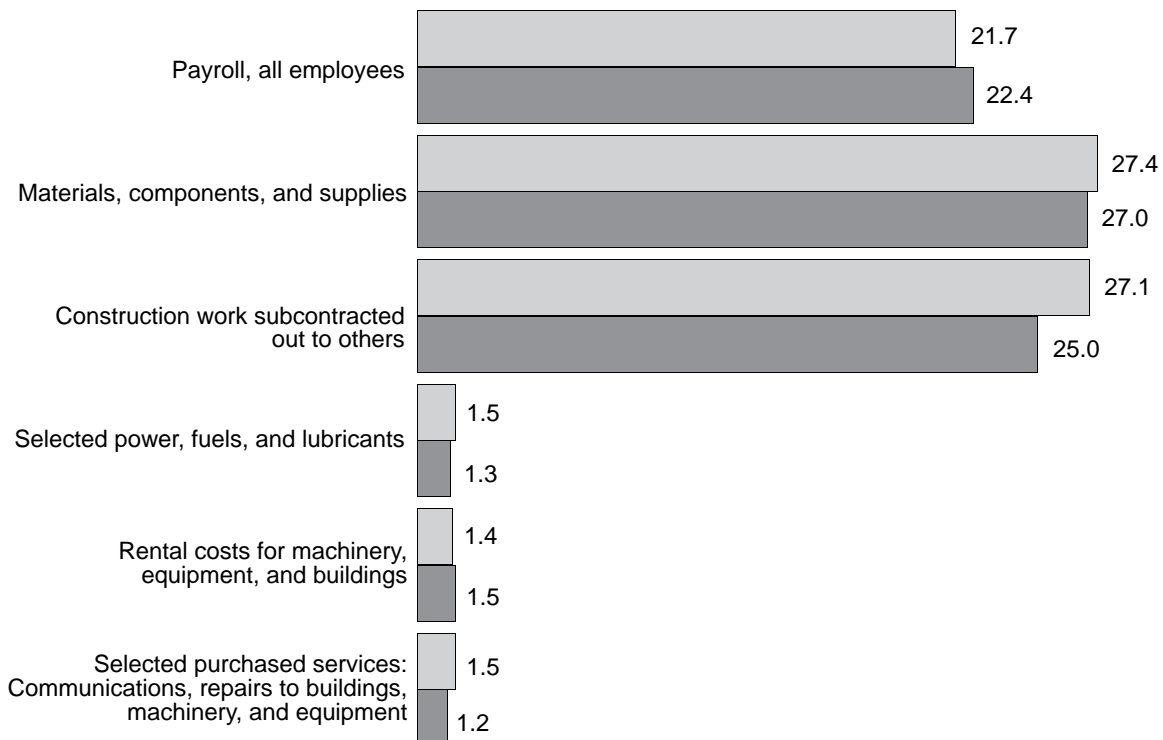


Figure 2. **Selected Costs per Dollar Value of Business Done**  
(Percent)

1992   
1987 



**Table 1. Summary Statistics for Establishments With and Without 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]

SIC code	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 partners	Dollar value of business done <sup>1</sup>	Number	Proprietors and working partners	All employees**	Dollar value of business done		
		A	B	C	D	E	F	G	H	I	J	K		
<b>1992</b>														
15, 16, 17	Construction industries -----	55 254	44 772	86 755	12 974 785	41 807	40 696	1 425 861	13 447	4 076	86 755	11 548 924	1	1
15	Building construction—General contractors and operative builders ----	9 405	5 952	17 967	4 687 969	5 838	5 127	472 932	3 567	825	17 967	4 215 037	2	3
16	Heavy construction other than building construction—contractors -----	1 282	564	12 993	2 257 837	481	423	21 100	801	141	12 993	2 236 737	1	1
17	Special trade contractors -----	44 568	38 255	55 795	6 028 979	35 488	35 146	931 829	9 080	3 109	55 795	5 097 150	1	1
1711	Plumbing, heating, and air-conditioning --	5 300	3 777	12 007	1 456 647	3 385	3 313	133 858	1 915	(S)	12 007	1 322 789	2	2
1731	Electrical work -----	5 338	4 148	11 639	1 184 765	3 724	3 664	88 859	1 614	484	11 639	1 095 906	2	1
<b>1987</b>														
15, 16, 17	Construction industries <sup>2</sup> -----	61 171	45 908	143 625	19 210 213	43 312	42 436	3 563 092	17 859	3 472	143 625	15 647 121	1	1
15	Building construction—General contractors and operative builders ----	13 243	7 787	41 552	8 247 502	7 732	6 922	1 102 297	5 511	865	41 552	7 145 205	1	1
16	Heavy construction other than building construction—contractors -----	1 221	397	14 475	1 753 732	370	334	42 461	851	63	14 475	1 711 271	1	1
17	Special trade contractors -----	45 108	36 406	86 550	7 963 263	33 868	33 892	1 356 813	11 240	2 514	86 550	6 606 450	1	1
1711	Plumbing, heating, and air-conditioning --	4 864	3 081	17 765	1 749 496	2 691	2 670	164 891	2 173	411	17 765	1 584 605	2	2
1731	Electrical work -----	4 610	3 156	17 067	1 320 774	2 803	2 782	111 785	1 807	374	17 067	1 208 989	1	1

<sup>1</sup>For 1992, nonemployer records showing revenues greater than \$1 million were excluded. See Introduction text.

<sup>2</sup>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]

SIC code	Industry	1992							
		Number of establishments	Employees**		Payroll		Value of construction work	Net value of construction work†	Value added††
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
<b>15, 16, 17</b>	<b>Construction industries¹</b> .....	<b>13 447</b>	<b>86 755</b>	<b>64 329</b>	<b>2 508 784</b>	<b>1 705 809</b>	<b>11 383 768</b>	<b>8 249 178</b>	<b>5 073 767</b>
<b>15</b>	<b>Building construction—General contractors and operative builders:</b>								
152	General contractors, residential buildings:								
1521	Single-family houses.....	2 151	6 766	4 916	138 735	90 818	878 341	605 577	302 552
1522	Other residential buildings.....	168	782	550	21 315	13 311	111 335	71 027	42 173
1531	Operative builders.....	372	1 457	732	40 896	18 329	647 281	414 646	209 810
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses.....	145	1 150	720	37 426	22 211	225 901	112 124	80 674
1542	Nonresidential buildings, n.e.c.....	731	7 813	4 953	254 391	139 980	2 300 667	835 234	419 185
<b>16</b>	<b>Heavy construction other than building construction—contractors:</b>								
1611	Highway and street construction.....	230	2 858	2 285	91 552	70 332	415 591	336 260	214 453
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction.....	32	1 557	1 178	69 542	46 639	497 175	324 593	212 732
1623	Water, sewer, and utility lines.....	249	3 007	2 373	97 329	69 665	390 419	314 118	196 178
1629	Heavy construction, n.e.c.....	290	5 571	3 291	227 464	119 608	897 848	700 045	505 242
<b>17</b>	<b>Special trade contractors:</b>								
1711	Plumbing, heating, and air-conditioning.....	1 915	12 007	8 747	374 420	264 823	1 305 949	1 108 895	663 691
1721	Painting and paper hanging.....	712	3 055	2 539	61 771	48 154	163 573	154 155	117 088
1731	Electrical work.....	1 614	11 639	8 918	362 397	257 001	1 082 981	1 034 318	645 328
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework.....	539	2 673	2 253	60 836	47 781	193 731	181 082	124 486
1742	Plastering, drywall, and insulation work.....	424	2 952	2 391	79 571	62 070	245 092	222 640	149 080
1743	Terrazzo, tile, marble, and mosaic work.....	84	330	261	9 117	(S)	23 422	22 514	14 177
175	Carpentry and floor work:								
1751	Carpentry.....	1 114	3 418	2 722	74 238	55 473	312 528	260 813	145 715
1752	Floor laying and other floor work.....	237	833	614	17 847	11 332	105 590	88 427	43 047
1761	Roofing, siding, and sheet metal work.....	460	3 102	2 355	79 358	56 408	292 806	265 447	154 826
1771	Concrete work.....	555	3 173	2 711	73 405	59 325	263 499	243 691	150 240
1781	Water well drilling.....	49	260	187	7 994	5 557	25 825	25 529	15 961
179	Miscellaneous special trade contractors:								
1791	Structural steel erection.....	79	1 693	1 473	56 479	46 428	143 975	131 386	99 631
1793	Glass and glazing work.....	107	536	342	12 683	7 184	42 370	41 327	25 107
1794	Excavation work.....	454	2 382	1 864	63 183	47 905	229 682	202 215	150 797
1795	Wrecking and demolition work.....	34	342	291	8 017	6 083	29 911	27 111	23 179
1796	Installing building equipment, n.e.c.....	121	2 786	2 167	76 995	57 208	223 823	217 119	164 174
1799	Special trade contractors, n.e.c.....	581	4 615	3 495	111 822	75 553	334 452	308 888	204 240

¹For 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—			SIC code
Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted out to others	Value of construction work sub-contracted in from others	Rental cost of machinery, equipment, and buildings	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Value of construction work	Value added††				
I	J	K	L	M	N	O	P	Q	B	G	M	
3 340 568	3 134 589	3 186 392	161 115	125 187	1 502 862	143 625	15 082 398	7 056 735	1	1	3	15, 16, 17
319 197	272 764	36 300	(S)	8 027	79 717	15 444	1 508 197	636 125	4	5	14	152
31 599	40 308	*5 284	*1 801	*1 479	14 152	3 985	885 953	210 180	14	12	61	1522
215 869	232 635	2 257	(S)	2 234	39 209	5 535	1 275 204	369 665	8	15	25	1531
32 248	113 777	10 009	1 607	685	21 138	3 148	607 382	164 943	12	7	18	154
436 809	1 465 434	70 870	13 482	7 500	102 346	13 440	2 528 221	767 358	3	3	11	1542
												16
134 554	79 331	88 514	9 812	12 370	171 920	3 991	508 928	262 652	4	2	7	1611
122 876	172 582	13 506	7 223	6 897	55 210	514	60 456	29 143	3	1	5	162
122 946	76 301	98 093	13 426	14 789	142 490	3 378	358 332	224 219	5	4	11	1622
201 740	197 803	196 531	22 170	9 605	164 198	6 592	723 218	399 637	2	1	10	1623
												17
462 043	197 054	618 989	19 830	12 185	140 586	17 765	1 563 375	832 123	2	2	10	1711
37 418	9 417	88 482	2 729	2 502	18 737	5 210	264 982	198 646	4	5	18	1721
401 914	48 664	662 404	13 045	10 046	94 007	17 067	1 203 412	738 819	2	2	14	1731
57 245	12 649	115 030	3 105	2 232	33 100	4 968	298 477	201 844	9	4	19	174
76 593	22 453	177 851	3 315	2 244	19 299	6 470	482 165	287 807	9	10	23	1741
10 630	*908	12 441	223	(S)	(S)	577	44 310	26 321	16	12	(S)	1742
												175
118 080	51 715	120 920	3 593	(S)	26 900	6 703	440 947	228 119	6	5	(S)	1751
50 623	17 163	69 877	1 405	661	7 489	1 667	157 656	83 572	7	6	18	1752
115 724	27 359	138 167	4 671	(D)	47 092	6 262	444 392	252 178	5	5	(D)	1761
94 124	19 809	177 484	6 288	4 772	72 157	4 442	320 081	197 318	5	5	13	1771
9 568	296	5 934	448	*492	*18 598	378	29 631	18 291	13	12	43	1781
												179
31 996	12 589	129 773	2 046	2 010	16 872	2 022	149 182	110 820	7	4	19	1791
19 592	1 044	26 266	827	*214	4 457	1 453	123 305	61 537	8	7	51	1793
61 841	27 468	100 268	6 672	6 456	128 872	4 236	423 366	295 260	8	7	17	1794
5 003	2 799	16 282	(S)	(D)	6 516	327	32 808	27 366	13	4	(D)	1795
54 508	6 705	62 719	3 513	*1 727	12 354	1 618	150 103	105 236	2	2	44	1796
115 827	25 564	142 139	7 620	9 719	62 474	5 385	378 371	238 724	5	4	11	1799

CONSTRUCTION—GEOGRAPHIC AREA SERIES

MASSACHUSETTS MA-7

**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 .....	13 447	17 859	11 379	11 690	1	1	2	2
Proprietors and working partners.....	4 076	3 472	3 258	5 217	3	4	3	4
All employees** .....	86 755	143 625	96 314	87 444	1	1	1	1
Construction workers:								
March.....	56 463	98 507	66 433	52 790	1	1	1	1
May.....	64 057	113 708	79 663	70 531	1	1	1	1
August.....	69 900	123 974	84 080	75 320	1	1	1	1
November.....	66 895	112 549	80 712	87 124	1	1	1	1
Average.....	64 329	112 184	78 879	66 503	1	1	1	1
Other employees:								
March.....	22 484	30 379	17 257	19 938	1	1	1	1
May.....	22 182	31 205	(NA)	(NA)	1	1	(NA)	(NA)
August.....	22 372	31 996	(NA)	(NA)	1	1	(NA)	(NA)
November.....	22 666	32 202	(NA)	(NA)	1	1	(NA)	(NA)
Average.....	22 426	31 445	(NA)	(NA)	1	1	(NA)	(NA)
Payroll, all employees .....	2 508 784	3 505 838	1 690 932	1 227 584	1	(Z)	1	1
Payroll, construction workers .....	1 705 809	2 466 933	1 285 983	853 333	1	(Z)	1	1
Payroll, other employees .....	802 975	1 038 904	404 949	374 251	1	1	1	1
First-quarter payroll, all employees .....	540 626	730 519	357 796	253 807	1	1	1	(Z)
Fringe benefits, all employees .....	726 043	798 234	319 461	228 164	1	1	1	1
Legally required expenditures.....	450 995	536 045	225 673	112 207	1	1	1	1
Voluntary expenditures.....	275 048	262 189	93 788	115 957	1	1	1	(Z)
Dollar value of business done .....	11 548 924	15 647 121	7 077 588	4 210 069	1	1	1	1
Value of construction work .....	11 383 768	15 082 398	6 900 454	4 073 613	1	1	1	1
Value of construction work subcontracted in from others .....	3 186 392	3 664 869	1 559 565	897 370	2	1	1	1
Other business receipts.....	165 157	306 141	148 691	136 456	4	3	2	3
Net value of construction† .....	8 249 178	11 169 770	4 949 906	3 034 340	1	1	1	1
Value added†† .....	5 073 767	7 056 735	3 086 626	1 934 012	1	1	1	1
Selected costs .....	6 475 158	8 331 804	3 962 519	2 248 322	2	1	1	1
Materials, components, and supplies .....	3 161 750	4 217 577	1 896 810	1 142 468	2	1	1	1
Construction work subcontracted out to others .....	3 134 589	3 912 628	1 950 548	1 039 273	2	1	1	1
Selected power, fuels, and lubricants.....	178 819	201 599	115 160	66 581	2	1	2	1
Electricity.....	37 969	28 567	16 765	10 358	3	2	2	2
Natural gas.....	7 400	6 329	4 137	3 444	3	3	3	4
Gasoline and diesel fuel .....	122 469	153 246	85 954	43 423	2	1	2	1
On highway use.....	93 681	118 149	(NA)	(NA)	2	1	(NA)	(NA)
Off highway use.....	28 788	35 097	(NA)	(NA)	3	2	(NA)	(NA)
Other, including lubricating oils and greases.....	10 980	13 454	8 303	9 360	4	3	4	3
Rental cost for machinery, equipment, and buildings .....	161 115	235 844	101 408	64 664	2	2	2	1
For machinery and equipment .....	92 545	165 791	77 140	51 214	3	3	2	2
For buildings.....	68 570	70 052	24 268	13 450	3	2	2	2
Selected purchased services .....	168 257	192 963	94 117	65 688	2	1	2	1
Communication services .....	59 287	63 789	31 298	24 156	2	2	2	1
Repairs to buildings and other structures .....	8 904	14 042	4 971	2 850	5	4	3	5
Repairs to machinery and equipment .....	100 066	115 131	57 848	38 683	3	2	2	1
Ownership of construction projects:								
Value of construction work .....	11 383 768	15 082 398	6 900 454	4 073 613	1	1	1	1
Government owned .....	3 463 196	2 233 825	1 314 453	1 017 298	3	2	2	1
Federal .....	442 752	407 096	(NA)	(NA)	3	3	(NA)	(NA)
State and local .....	3 020 443	1 826 728	(NA)	(NA)	3	2	(NA)	(NA)
Privately owned .....	7 920 572	12 848 573	5 586 000	3 056 315	2	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**

[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	Relative standard error of estimate (percent)	
			1992	1987
<b>BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT</b>				
Beginning-of-year gross book value of depreciable assets .....	1 440 168	1 517 186	2	4
Capital expenditures, other than land .....	125 187	260 507	3	3
New .....	95 302	220 422	4	3
Used .....	29 885	40 085	5	6
Retirements and disposition of depreciable assets .....	62 493	139 122	11	18
End-of-year gross book value of depreciable assets .....	1 502 862	1 638 571	2	3
Depreciation charges during year .....	160 590	221 060	3	2
<b>Buildings and Other Structures, Additions, and Related Facilities</b>				
Beginning-of-year gross book value of depreciable assets .....	203 848	459 168	6	12
Capital expenditures, other than land .....	9 618	33 361	11	7
New buildings and other structures .....	7 516	24 142	13	8
Used buildings and other structures .....	2 103	9 218	20	16
Retirements and disposition of depreciable assets .....	*9 765	88 361	57	29
End-of-year gross book value of depreciable assets .....	203 701	404 168	6	9
Depreciation charges during year .....	15 800	34 631	10	8
<b>Machinery and Equipment</b>				
Beginning-of-year gross book value of depreciable assets .....	1 236 320	1 058 018	2	2
Capital expenditures, other than land .....	115 569	227 145	3	3
New machinery and equipment, including automobiles and trucks .....	87 787	196 279	4	3
New automobiles and trucks, intended primarily for highway use .....	35 029	103 320	5	3
Used machinery and equipment, including automobiles and trucks .....	27 782	30 866	5	6
Retirements and disposition of depreciable assets .....	52 728	50 761	7	9
End-of-year gross book value of depreciable assets .....	1 299 161	1 234 403	2	2
Depreciation charges during year .....	144 790	186 429	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)
<b>All establishments:</b>		
Number .....	13 447	1
Value of construction work .....	11 383 768	1
<b>Establishments with inventories:</b>		
Number .....	3 651	2
Value of construction work .....	3 888 996	1
<b>Inventories<sup>1</sup>:</b>		
End of 1992, materials and supplies .....	122 273	7
End of 1991, materials and supplies .....	117 728	11
<b>Establishments with no inventories:</b>		
Number .....	4 706	2
Value of construction work .....	4 421 614	1
<b>Establishments not reporting:</b>		
Number .....	5 091	2
Value of construction work .....	3 073 158	1

<sup>1</sup>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—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
<b>1992</b>										
Number of establishments .....	13 447	9 321	2 238	1 139	560	122	54	8	5	1
All employees** .....	86 755	17 244	14 346	14 984	16 411	8 224	7 543	2 617	5 386	(D)
Payroll, all employees .....	2 508 784	331 958	352 706	431 964	528 686	315 810	247 873	87 640	212 148	(D)
Dollar value of business done .....	11 548 924	1 939 372	1 423 413	1 802 335	2 227 061	1 705 048	1 312 148	434 677	704 871	(D)
Value of construction work .....	11 383 768	1 913 200	1 399 881	1 774 237	2 197 708	1 680 032	1 279 576	434 264	704 871	(D)
Net value of construction work† .....	8 249 178	1 530 892	1 110 928	1 329 874	1 597 372	1 066 138	732 499	277 873	603 603	(D)
Value added†† .....	5 073 767	841 100	664 145	821 612	995 451	690 144	408 237	185 164	467 914	(D)
Cost of materials, components, supplies, and fuels .....	3 340 568	715 965	470 315	536 360	631 273	401 010	356 834	93 122	135 689	(D)
Cost of construction work subcontracted out to others .....	3 134 589	382 307	288 952	444 363	600 337	613 894	547 077	156 391	101 268	(D)
Rental cost for machinery, equipment, and buildings .....	161 115	23 852	25 802	27 091	34 441	22 704	15 541	3 724	7 960	(D)
Capital expenditures, other than land .....	125 187	26 665	17 963	23 569	22 611	15 419	17 898	(D)	1 062	(D)
End-of-year gross book value of depreciable assets .....	1 502 862	285 996	251 021	306 189	305 512	157 451	125 886	70 808	(D)	(D)
<b>1987</b>										
All employees** .....	143 625	(S)	26 200	25 767	29 860	16 171	14 599	4 735	5 000	(D)
Value of construction work .....	15 082 398	(S)	2 222 872	2 352 997	3 227 491	2 127 814	1 829 885	1 217 153	(D)	(D)
Value added†† .....	7 056 735	(S)	1 112 992	1 196 394	1 530 222	907 264	849 606	240 459	269 438	(D)
<b>1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)</b>										
All employees** .....	1	3	4	3	3	(Z)	3	(Z)	(Z)	(D)
Net value of construction work† .....	1	3	4	5	2	(Z)	(Z)	(Z)	(Z)	(D)
Capital expenditures, other than land .....	3	9	11	9	2	(Z)	(Z)	(D)	(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—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
<b>1992</b>											
Number of establishments .....	13 447	(S)	(S)	(S)	4 064	2 286	1 655	1 145	400	184	142
All employees** .....	86 755	(S)	(S)	(S)	9 577	9 930	12 391	14 628	9 819	7 876	18 321
Payroll, all employees .....	2 508 784	(S)	(S)	(S)	165 885	223 167	291 721	428 909	330 356	292 031	726 284
Dollar value of business done .....	11 548 924	(S)	(S)	(S)	656 150	808 190	1 153 514	1 732 939	1 362 980	1 237 877	4 410 572
Value of construction work .....	11 383 768	(S)	(S)	(S)	649 459	794 921	1 134 781	1 699 743	1 342 703	1 217 536	4 359 272
Net value of construction work† .....	8 249 178	(S)	(S)	(S)	585 093	703 539	941 908	1 356 452	1 045 794	896 705	2 548 686
Value added†† .....	5 073 767	(S)	(S)	(S)	349 100	418 659	571 948	823 403	625 301	567 319	1 613 830
Cost of materials, components, supplies, and fuels .....	3 340 568	(S)	(S)	(S)	242 684	298 149	388 694	566 245	440 770	349 727	986 156
Cost of construction work subcontracted out to others .....	3 134 589	(S)	(S)	(S)	64 367	91 382	192 873	343 291	296 909	320 831	1 810 586
Rental cost for machinery, equipment, and buildings .....	161 115	(S)	(S)	(S)	10 778	13 993	19 097	29 752	18 638	23 241	43 101
Capital expenditures, other than land .....	125 187	(S)	(S)	(S)	11 615	15 522	14 351	23 660	11 098	19 950	25 867
End-of-year gross book value of depreciable assets .....	1 502 862	(S)	(S)	(S)	131 534	159 449	192 709	307 000	197 508	168 856	312 344
<b>1987</b>											
All employees** .....	143 625	(S)	(S)	(S)	(S)	(S)	21 011	25 463	17 399	14 595	26 259
Value of construction work .....	15 082 398	(S)	(S)	(S)	(S)	(S)	1 625 030	2 577 940	2 197 059	1 768 735	4 773 802
Value added†† .....	7 056 735	(S)	(S)	(S)	(S)	(S)	850 875	1 313 283	1 055 592	854 160	1 772 545
<b>1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)</b>											
All employees** .....	1	(S)	(S)	(S)	4	5	4	3	3	1	(Z)
Net value of construction work† .....	1	(S)	(S)	(S)	4	4	4	3	4	1	2
Capital expenditures, other than land .....	3	(S)	(S)	(S)	13	13	12	8	3	(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	A	B	C	D
<b>1992</b>								
<b>Value of construction work</b> .....	<b>11 383 768</b>	<b>5 545 295</b>	<b>3 708 182</b>	<b>1 821 104</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>2</b>
Building construction .....	8 228 121	4 156 946	2 861 448	1 209 727	2	3	1	2
Single-family houses .....	2 361 364	1 460 174	588 313	312 877	6	9	4	4
Single-family houses, detached .....	2 121 194	1 324 947	527 545	268 702	6	10	4	5
Single-family houses, attached, including townhouses and townhouse-type condominiums .....	240 170	(S)	60 768	44 176	7	(S)	7	7
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives .....	313 610	96 759	129 959	86 892	4	6	6	6
Other residential buildings, including hotels, motels, and tourist cabins.....	114 112	54 905	42 949	16 258	4	6	8	7
Office buildings .....	1 112 728	438 181	506 401	168 146	2	3	3	4
Other commercial buildings such as stores, restaurants, and automobile service stations .....	1 246 838	642 156	393 390	211 292	3	2	5	7
Industrial buildings and warehouses .....	1 061 799	469 655	357 304	234 840	2	2	3	3
Industrial buildings .....	889 398	367 198	318 566	203 635	2	2	3	4
Warehouses .....	172 400	102 457	38 738	31 205	3	4	5	9
Religious buildings .....	91 303	(S)	47 115	17 220	5	(S)	7	8
Educational buildings .....	759 451	419 442	272 890	67 119	3	1	8	4
Hospitals and institutional buildings .....	909 383	409 413	422 869	77 101	2	1	3	4
Amusement, social, and recreational buildings, indoors .....	114 087	56 732	(S)	6 450	4	3	(S)	19
Other nonresidential buildings .....	143 447	82 560	49 354	11 532	4	5	7	15
Nonbuilding construction.....	2 846 460	1 388 350	846 734	611 377	1	1	1	2
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc. ....	565 499	171 402	281 999	112 098	2	3	2	4
Private driveways and parking areas .....	80 869	31 816	26 410	22 644	9	14	7	19
Bridges, tunnels, and elevated highways .....	571 934	395 841	147 244	28 849	2	2	2	11
Tunnels .....	265 435	255 970	9 014	451	4	4	(Z)	17
Bridges and elevated highways.....	306 499	139 871	138 229	28 398	1	(Z)	2	11
Power and communication transmission lines, towers, and related facilities.....	135 234	55 397	27 093	52 745	4	5	10	5
Sewers, water mains, and related facilities.....	420 102	295 762	73 369	50 972	4	4	10	8
Sewers, sewer lines, septic systems, and related facilities .....	264 549	191 973	44 763	27 813	4	4	10	12
Water mains and related facilities.....	155 554	103 788	28 606	23 159	6	7	14	8
Pipeline construction other than sewer or water lines .....	57 817	34 597	8 573	14 647	6	9	3	3
Mass transit construction .....	165 078	37 732	125 474	1 872	1	2	1	(Z)
Power plants .....	330 689	42 975	17 688	270 026	2	8	7	1
Sewage treatment and water treatment plants .....	295 313	192 626	92 128	10 559	2	2	1	31
Other nonbuilding construction .....	223 924	130 202	46 757	46 965	4	5	6	8
Construction work, n.s.k.....	309 186	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)
<b>1987</b>								
<b>Value of construction work</b> .....	<b>15 082 398</b>	<b>9 251 021</b>	<b>3 509 549</b>	<b>1 580 702</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
Building construction .....	11 999 502	7 757 748	2 966 236	1 224 586	1	1	1	2
Single-family houses .....	3 789 369	2 711 130	760 970	317 288	2	3	4	4
Single-family houses, detached .....	3 033 099	2 080 143	686 792	266 164	2	3	4	4
Single-family houses, attached, including townhouses and townhouse-type condominiums .....	756 269	630 987	74 177	51 104	6	6	15	12
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives .....	1 068 727	668 113	309 443	91 170	2	2	5	5
Other residential buildings, including hotels, motels, and tourist cabins.....	635 016	476 928	108 470	49 618	5	6	8	8
Office buildings .....	2 293 369	1 558 520	555 868	178 981	1	1	2	4
Other commercial buildings such as stores, restaurants, and automobile service stations .....	1 324 860	724 467	408 469	191 924	2	2	3	3
Industrial buildings and warehouses .....	1 473 380	920 906	329 548	222 925	2	2	2	4
Industrial buildings .....	1 185 913	714 526	270 168	201 218	2	2	2	4
Warehouses .....	287 467	206 380	59 380	21 706	5	7	3	7
Religious buildings .....	103 696	37 683	43 626	22 387	5	4	7	15
Educational buildings .....	582 664	322 274	180 545	79 844	2	1	4	3
Hospitals and institutional buildings .....	572 163	302 034	219 316	50 813	1	1	2	5
Amusement, social, and recreational buildings, indoors .....	53 178	30 288	18 353	4 537	14	23	14	9
Other nonresidential buildings .....	103 080	37 857	36 075	29 152	11	8	14	26
Nonbuilding construction.....	2 341 771	1 460 821	538 866	342 083	1	1	2	3
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc. ....	552 653	293 833	176 761	82 058	2	3	4	5
Private driveways and parking areas .....	127 660	91 574	17 924	18 161	6	6	13	12
Bridges, tunnels, and elevated highways .....	143 585	67 032	47 628	28 923	7	9	5	19
Tunnels .....	19 208	12 922	* 5 192	1 094	33	36	47	28
Bridges and elevated highways.....	124 376	54 110	42 436	27 829	6	7	1	20
Power and communication transmission lines, towers, and related facilities.....	82 889	52 284	14 861	15 743	6	5	4	20
Sewers, water mains, and related facilities.....	437 648	352 626	47 091	37 930	4	4	6	8
Sewers, sewer lines, septic systems, and related facilities .....	263 751	219 955	28 573	15 221	4	4	6	10
Water mains and related facilities.....	173 897	132 670	18 517	22 709	6	7	11	10
Mass transit construction .....	145 486	54 123	85 740	5 622	(Z)	(Z)	(Z)	(Z)
Power plants .....	146 602	83 283	13 758	49 560	1	1	2	1
Sewage treatment and water treatment plants .....	209 509	162 678	32 623	14 208	3	1	10	24
Other nonbuilding construction .....	495 739	303 388	102 479	89 878	(NA)	(NA)	(NA)	(NA)
Construction work, n.s.k.....	741 125	(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**

[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 code	Industry	Number of establishments	Average number of construction workers	Construction workers <sup>1</sup>				Relative standard error of estimate (percent) for column—						
				January to March	April to June	July to September	October to December	A	B	C	D	E	F	
				A	B	C	D	E	F	A	B	C	D	E
<b>15, 16, 17</b>	<b>Construction industries -----</b>	<b>13 447</b>	<b>64 329</b>	<b>56 463</b>	<b>64 057</b>	<b>69 900</b>	<b>66 895</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>15</b>	<b>Building construction—General contractors and operative builders:</b>													
152	General contractors, residential buildings:													
1521	Single-family houses -----	2 151	4 916	4 642	5 044	5 333	4 642	3	4	5	4	4	5	5
1522	Other residential buildings -----	168	550	457	551	606	587	16	15	18	16	15	14	14
1531	Operative builders -----	372	732	661	746	801	719	9	10	10	10	10	11	11
154	General contractors, nonresidential buildings:													
1541	Industrial buildings and warehouses -----	145	720	585	730	755	811	14	13	14	13	12	14	14
1542	Nonresidential buildings, n.e.c. ---	731	4 953	4 713	4 855	5 483	4 762	6	4	3	4	5	4	4
<b>16</b>	<b>Heavy construction other than building construction—contractors:</b>													
1611	Highway and street construction -----	230	2 285	1 181	2 396	2 871	2 692	9	4	5	4	4	4	4
162	Heavy construction, except highway:													
1622	Bridge, tunnel, and elevated highway construction -----	32	1 178	1 049	1 302	1 202	1 159	10	3	3	3	3	3	3
1623	Water, sewer, and utility lines -----	249	2 373	1 640	2 472	2 707	2 675	9	5	6	5	4	6	6
1629	Heavy construction, n.e.c. -----	290	3 291	2 682	3 311	3 630	3 540	9	2	2	2	2	2	2
<b>17</b>	<b>Special trade contractors:</b>													
1711	Plumbing, heating, and air-conditioning -----	1 915	8 747	8 391	8 724	8 836	9 036	2	2	2	3	2	2	2
1721	Painting and paper hanging -----	712	2 539	1 721	2 717	3 319	2 398	4	4	5	4	5	5	5
1731	Electrical work -----	1 614	8 918	8 623	8 397	9 394	9 258	1	2	2	2	2	2	2
174	Masonry, stonework, tile setting, and plastering:													
1741	Masonry, stone setting, and other stonework -----	539	2 253	1 658	2 316	2 505	2 531	5	10	11	11	10	9	9
1742	Plastering, drywall, and insulation work -----	424	2 391	2 090	2 098	2 576	2 801	6	11	5	5	18	17	17
1743	Terrazzo, tile, marble, and mosaic work -----	84	261	258	271	273	241	19	16	15	15	15	15	15
175	Carpentry and floor work:													
1751	Carpentry -----	1 114	2 722	2 422	2 730	3 065	2 670	4	6	6	6	6	6	6
1752	Floor laying and other floor work --	237	614	653	635	626	544	8	8	8	8	9	9	9
1761	Roofing, siding, and sheet metal work -----	460	2 355	1 935	2 292	2 725	2 468	6	5	6	5	5	5	5
1771	Concrete work -----	555	2 711	1 691	2 850	3 230	3 074	6	5	7	5	6	5	5
1781	Water well drilling -----	49	187	179	179	203	187	16	14	13	15	15	15	15
179	Miscellaneous special trade contractors:													
1791	Structural steel erection -----	79	1 473	1 806	1 268	1 017	1 799	16	7	5	10	12	6	6
1793	Glass and glazing work -----	107	342	364	326	351	327	14	8	8	9	8	9	9
1794	Excavation work -----	454	1 864	1 371	1 906	2 112	2 068	8	8	9	8	8	8	8
1795	Wrecking and demolition work -----	34	291	269	339	287	271	12	14	15	19	11	8	8
1796	Installing building equipment, n.e.c. -----	121	2 167	2 582	1 918	2 074	2 095	10	2	1	2	2	2	2
1799	Special trade contractors, n.e.c. ---	581	3 495	2 839	3 681	3 919	3 540	7	5	5	5	5	4	4

<sup>1</sup>Construction workers during pay periods including 12th of March, May, August, and November.

**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]

SIC code	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				
					Payroll, all employees	Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted out to others	Value of construction work sub-contracted in from others	Rental cost for machinery, equipment, and buildings
<b>15, 16, 17</b>	<b>Construction industries -----</b>	<b>6.5</b>	<b>28.9</b>	<b>177.0</b>	<b>.220</b>	<b>.293</b>	<b>.275</b>	<b>.280</b>	<b>.014</b>
<b>15</b>	<b>Building construction—General contractors and operative builders:</b>								
152	General contractors, residential buildings:								
1521	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	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	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
<b>16</b>	<b>Heavy construction other than building construction—contractors:</b>								
1611	Highway and street construction -----	12.4	32.0	181.9	.220	.324	.191	.213	.024
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	48.8	44.7	422.1	.140	.247	.347	.027	.015
1623	Water, sewer, and utility lines -----	12.1	32.4	164.5	.249	.315	.195	.251	.034
1629	Heavy construction, n.e.c. -----	19.2	40.8	272.8	.253	.225	.220	.219	.025
<b>17</b>	<b>Special trade contractors:</b>								
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	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework -----	5.0	22.8	86.0	.314	.295	.065	.594	.016
1742	Plastering, drywall, and insulation work -----	7.0	27.0	102.5	.325	.313	.092	.726	.014
1743	Terrazzo, tile, marble, and mosaic work -----	3.9	27.6	89.7	.389	.454	.039	.531	.010
175	Carpentry and floor work:								
1751	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	Roofing, siding, and sheet metal work -----	6.7	25.6	124.3	.271	.395	.093	.472	.016
1771	Concrete work -----	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	Structural steel erection -----	21.5	33.4	97.7	.392	.222	.087	.901	.014
1793	Glass and glazing work -----	5.0	23.7	123.9	.299	.462	.025	.620	.020
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**

[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 code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted out to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
	<b>BOSTON-WORCESTER-LAWRENCE, MA-NH-ME-CT CMSA</b>											
15,16,17	<b>Construction industries</b> .....	12 243	81 838	2 373 923	10 850 651	7 795 632	4 779 944	3 171 595	3 055 019	114 237	1	1
15	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	(S) 5 708	110 750	706 759	493 053	242 509	263 814	213 705	6 606	5	5	
1522	Other residential buildings .....	175 813	22 429	112 671	72 527	46 531	29 106	40 144	807	13	12	
1531	Operative builders .....	385	1 578	44 821	682 250	442 959	218 538	236 385	239 291	2 619	7	14
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	156 1 029	32 600	206 537	101 940	73 206	30 157	104 597	(S) 10	6		
1542	Nonresidential buildings, n.e.c. ....	661 7 636	251 621	2 297 588	792 724	406 931	422 836	1 504 864	8 797	3	2	
16	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction .....	186	2 376	76 098	351 410	283 480	167 496	119 003	67 930	9 828	4	3
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction .....	29	1 356	61 789	459 022	308 945	202 177	108 555	150 077	6 415	3	1
1623	Water, sewer, and utility lines .....	240	2 825	88 879	361 351	287 073	179 918	113 000	74 277	13 030	5	4
1629	Heavy construction, n.e.c. ....	265	5 716	231 386	916 111	708 579	507 539	208 904	207 533	11 223	1	1
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air-conditioning .....	1 823	11 509	353 357	1 207 486	1 033 712	613 810	435 086	173 774	10 922	2	2
1721	Painting and paper hanging .....	614	2 761	55 356	148 651	138 536	104 643	34 419	10 115	2 239	5	6
1731	Electrical work .....	1 468	10 685	339 496	1 016 518	969 186	600 178	382 086	47 332	8 411	2	2
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work .....	(S) 2 317	51 729	165 144	154 433	107 492	47 573	10 711	1 838	10	5	
1742	Plastering, drywall, and insulation work .....	429	3 271	89 477	287 958	256 401	164 927	94 202	31 557	2 020	9	9
1743	Terrazzo, tile, marble, and mosaic work .....	74	282	(S) 20 828	20 031	(S) 8 978	*797	(S) 17	12			
175	Carpentry and floor work:											
1751	Carpentry .....	924	3 085	67 890	287 397	237 944	132 041	108 826	49 453	(S) 6	6	
1752	Floor laying and other floor work .....	244	969	21 663	122 958	(D) 51 223	58 862	(D) 829	(S) 8	(D) 8		
1761	Roofing, siding, and sheet metal work .....	431	2 833	71 126	252 638	232 396	138 680	96 777	20 242	(S) 5	5	
1771	Concrete work .....	506	2 796	63 312	229 191	212 292	132 871	80 223	16 899	4 478	6	5
1781	Water well drilling .....	59	344	10 038	32 704	32 475	20 418	12 117	228	671	13	12
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	97	1 818	58 940	150 435	(D) 103 748	34 133	(D) 2 110	7	(D) 7		
1793	Glass and glazing work .....	98	527	12 828	41 966	41 197	26 199	18 892	(S) *174	10	12	
1794	Excavation work .....	417	2 138	55 937	206 929	181 644	135 178	55 880	25 285	5 767	9	8
1795	Wrecking and demolition work .....	(S) 342	8 672	33 380	29 628	25 313	4 978	3 752	537	2	2	
1796	Installing building equipment, n.e.c. ....	104	2 698	74 030	219 189	212 956	159 611	54 929	6 233	1 411	1	1
1799	Special trade contractors, n.e.c. ....	502	4 428	111 827	333 580	308 834	206 493	111 877	24 745	8 170	5	5
	<b>Boston, MA-NH PMSA</b>											
15,16,17	<b>Construction industries</b> .....	6 890	49 004	1 486 300	7 345 622	5 037 835	3 091 565	2 036 809	2 307 788	63 841	1	1
15	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	(S) 3 300	68 901	446 379	300 398	146 791	162 628	145 980	3 439	7	7	
1522	Other residential buildings .....	108 576	17 037	91 317	56 843	34 837	24 428	34 474	(D) 15	12		
1531	Operative builders .....	221	861	24 309	415 801	250 657	125 846	130 415	*165 143	1 510	11	24
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	57 482	(D) 151 294	66 669	49 476	17 696	84 625	(S) 14	7			
1542	Nonresidential buildings, n.e.c. ....	427 5 608	188 819	1 816 995	622 029	302 192	337 134	1 194 965	5 478	4	3	
16	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction .....	113	1 150	38 991	163 678	131 639	85 092	47 667	32 039	4 683	6	5
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction .....	20	1 272	58 855	446 559	(D) 194 891	105 912	(D) 6 201	3	(D) 3		
1623	Water, sewer, and utility lines .....	135	1 610	55 071	229 030	175 225	104 244	74 843	53 805	5 833	6	5
1629	Heavy construction, n.e.c. ....	139	2 531	96 601	602 815	439 445	337 881	106 030	163 370	6 046	3	2

**MA-14 MASSACHUSETTS**

**CONSTRUCTION—GEOGRAPHIC AREA SERIES**



**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 code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
	<b>BOSTON-WORCESTER-LAWRENCE, MA-NH-ME-CT CMSA—Con.</b>											
	<b>Boston, MA-NH PMSA—Con.</b>											
<b>15,16,17</b>	<b>Construction industries—Con.</b>											
	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air-conditioning-----	1 097	7 427	246 148	829 498	706 013	421 599	295 600	123 486	6 448	3	2
1721	Painting and paper hanging-----	348	1 991	42 231	110 551	103 511	79 234	24 457	7 040	1 576	6	7
1731	Electrical work-----	858	6 808	228 362	699 973	664 540	413 695	262 297	35 433	6 639	3	2
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work-----	(S)	1 735	39 407	124 325	117 102	82 266	35 431	7 223	1 325	14	6
1742	Plastering, drywall, and insulation work-----	200	1 494	42 452	120 064	114 562	81 324	33 691	5 502	(S)	18	18
1743	Terrazzo, tile, marble, and mosaic work-----	47	(S)	(S)	16 654	15 935	(D)	6 758	*719	(D)	(S)	12
175	Carpentry and floor work:											
1751	Carpentry-----	505	1 907	42 807	173 543	145 637	77 855	69 287	27 906	(S)	9	7
1752	Floor laying and other floor work---	(S)	588	13 525	80 814	(D)	32 349	38 454	(D)	329	9	(D)
1761	Roofing, siding, and sheet metal work-----	235	1 420	40 173	144 553	130 610	78 548	52 888	13 944	(S)	8	8
1771	Concrete work-----	242	1 528	37 792	(D)	(D)	73 824	39 999	(D)	1 391	9	(D)
1781	Water well drilling-----	22	62	1 539	(D)	(D)	3 939	2 470	(S)	(S)	14	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection-----	34	520	(D)	(D)	(D)	(D)	23 075	(D)	1 549	21	(D)
1793	Glass and glazing work-----	50	313	7 179	23 131	22 535	(D)	9 010	(S)	(D)	11	11
1794	Excavation work-----	215	1 219	32 813	120 403	104 691	77 081	34 606	15 712	3 542	14	12
1795	Wrecking and demolition work-----	18	145	3 977	(D)	(D)	(D)	908	(D)	(D)	4	(D)
1796	Installing building equipment, n.e.c.--	76	2 197	62 831	186 000	(D)	(D)	47 176	(D)	505	1	(D)
1799	Special trade contractors, n.e.c.---	285	2 057	(D)	152 174	(D)	89 054	53 950	(D)	2 525	8	(D)
	<b>Brockton, MA PMSA</b>											
<b>15,16,17</b>	<b>Construction industries-----</b>	<b>545</b>	<b>3 110</b>	<b>82 089</b>	<b>306 915</b>	<b>253 477</b>	<b>165 924</b>	<b>94 379</b>	<b>53 437</b>	<b>3 003</b>	<b>4</b>	<b>3</b>
<b>15</b>	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses-----	73	211	4 255	(S)	18 834	10 247	8 882	(S)	*306	21	15
1522	Other residential buildings-----	(S)	(S)	(S)	*1 987	(D)	*941	(S)	(D)	—	(S)	(D)
1531	Operative builders-----	12	(D)	(D)	9 555	7 055	2 142	4 953	2 500	129	(D)	18
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses-----	(S)	(S)	(S)	8 555	(S)	(S)	(S)	3 390	(S)	(S)	(S)
1542	Nonresidential buildings, n.e.c.---	23	196	4 710	34 593	12 572	7 424	5 389	22 021	228	4	4
<b>16</b>	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction---	(S)	292	6 954	37 476	33 566	23 170	10 702	3 910	(D)	11	4
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	—	—	—	—	—	—	—	—	—	—	—
1623	Water, sewer, and utility lines-----	(S)	*91	*2 513	*11 266	*10 337	*4 192	*6 145	*928	(S)	44	53
1629	Heavy construction, n.e.c.---	(S)	80	2 468	9 259	7 449	5 047	2 411	1 810	—	27	13
<b>17</b>	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air-conditioning-----	(S)	285	6 618	22 863	20 935	12 771	8 439	1 928	235	19	15
1721	Painting and paper hanging-----	20	*27	352	1 590	(D)	987	496	(D)	(D)	57	(D)
1731	Electrical work-----	53	535	17 901	41 208	39 686	30 835	8 851	1 522	172	12	8
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work-----	26	121	2 968	9 334	7 361	5 013	2 348	1 973	*80	39	24
1742	Plastering, drywall, and insulation work-----	26	165	5 124	16 181	14 718	9 838	7 030	*1 463	*409	10	15
1743	Terrazzo, tile, marble, and mosaic work-----	4	(D)	(D)	(D)	(D)	(S)	*79	(D)	—	(D)	(D)
175	Carpentry and floor work:											
1751	Carpentry-----	48	77	1 434	6 549	5 649	3 527	2 270	(S)	*85	25	23
1752	Floor laying and other floor work---	*14	(D)	(D)	(D)	(D)	*1 835	(D)	(D)	(D)	(D)	(D)
1761	Roofing, siding, and sheet metal work-----	20	156	4 193	14 421	13 197	7 315	6 119	1 224	90	7	9

CONSTRUCTION—GEOGRAPHIC AREA SERIES

MASSACHUSETTS MA-15

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 code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added‡	Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted out to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
	<b>BOSTON-WORCESTER-LAWRENCE, MA-NH-ME-CT CMSA—Con.</b>											
	<b>Brockton, MA PMSA—Con.</b>											
<b>15,16,17</b>	<b>Construction industries—Con.</b>											
<b>1771</b>	<b>Special trade contractors—Con.</b>											
	Concrete work -----	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1781	Water well drilling -----	*3	(D)	(S)	(S)	(S)	(D)	(S)	(S)	—	(D)	(S)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	(S)	87	3 087	(D)	(D)	4 187	(S)	(D)	(D)	(Z)	(D)
1793	Glass and glazing work -----	(D)	5	(D)	(D)	(D)	856	(D)	(D)	(D)	(D)	(D)
1794	Excavation work -----	(S)	14	70	1 711	6 220	6 154	5 450	(D)	66	262	9 9
1795	Wrecking and demolition work -----	(S)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. -----	(D)	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1799	Special trade contractors, n.e.c. -----	(S)	45	359	9 270	26 498	25 702	18 902	9 577	796	(D)	16 12
	<b>Fitchburg-Leominster, MA PMSA</b>											
<b>15,16,17</b>	<b>Construction industries -----</b>	<b>269</b>	<b>1 302</b>	<b>32 635</b>	<b>128 736</b>	<b>104 319</b>	<b>61 979</b>	<b>46 007</b>	<b>24 417</b>	<b>1 269</b>	<b>10</b>	<b>9</b>
<b>15</b>	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses -----	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	—	(S)	(S)
1522	Other residential buildings -----	(S)	*62	*1 145	*1 979	*1 963	*1 018	*945	(S)	—	66	61
1531	Operative builders -----	*3	(S)	(S)	(D)	(D)	(S)	(D)	(S)	—	(S)	(D)
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses -----	(S)	(D)	(S)	(D)	(D)	(D)	(D)	(S)	—	(D)	(D)
1542	Nonresidential buildings, n.e.c. -----	*16	76	3 016	19 630	9 136	4 303	5 808	10 494	133	26	32
<b>16</b>	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction -----	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	—	(S)	(S)
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction -----	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	—	(S)	(S)
1623	Water, sewer, and utility lines -----	*6	*50	1 224	(D)	(D)	3 421	1 895	(D)	310	53	(D)
1629	Heavy construction, n.e.c. -----	(S)	(D)	*749	*2 378	*2 312	*1 280	(D)	(S)	—	(D)	57
<b>17</b>	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air-conditioning -----	34	210	4 860	12 166	11 740	8 106	4 701	*427	(S)	32	28
1721	Painting and paper hanging -----	*11	*12	*199	(D)	(D)	(S)	*119	(D)	—	62	(D)
1731	Electrical work -----	*32	110	3 026	(D)	(D)	5 247	*5 475	(D)	95	36	(D)
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work -----	*21	*46	*1 006	*3 780	*3 144	*1 909	*1 235	(S)	—	57	68
1742	Plastering, drywall, and insulation work -----	(S)	136	2 800	12 394	(D)	5 000	3 953	(D)	*154	34	(D)
1743	Terrazzo, tile, marble, and mosaic work -----	(S)	(S)	(D)	(S)	(S)	(S)	(D)	—	—	(S)	(S)
175	Carpentry and floor work:											
1751	Carpentry -----	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1752	Floor laying and other floor work -----	—	—	—	—	—	—	—	—	—	—	—
1761	Roofing, siding, and sheet metal work -----	*13	89	1 691	10 441	9 625	3 810	5 819	*816	—	25	22
1771	Concrete work -----	*23	*57	*1 304	(D)	(D)	*3 900	*2 697	(D)	*226	43	(D)
1781	Water well drilling -----	1	16	677	1 431	1 406	1 119	287	25	—	—	—
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	*3	*45	*1 240	*4 080	*3 868	*3 011	*1 073	212	(D)	49	47
1793	Glass and glazing work -----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1794	Excavation work -----	(S)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1795	Wrecking and demolition work -----	—	—	—	—	—	—	—	—	—	—	—
1796	Installing building equipment, n.e.c. -----	(S)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1799	Special trade contractors, n.e.c. -----	*6	(D)	(D)	(D)	(D)	*4 264	*3 311	(D)	(D)	(D)	(D)

**MA-16 MASSACHUSETTS**

**CONSTRUCTION—GEOGRAPHIC AREA SERIES**

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 code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added‡	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
	<b>BOSTON-WORCESTER-LAWRENCE, MA-NH-ME-CT CMSA—Con.</b>											
	<b>Lawrence, MA-NH PMSA</b>											
15,16,17	<b>Construction industries .....</b>	<b>817</b>	<b>5 082</b>	<b>124 320</b>	<b>496 532</b>	<b>402 893</b>	<b>259 128</b>	<b>152 254</b>	<b>93 639</b>	<b>14 205</b>	<b>2</b>	<b>2</b>
15	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	(S)	(S)	6 079	48 303	34 584	17 814	17 537	13 719	1 116	(S)	13
1522	Other residential buildings .....	*7	*19	442	(D)	(D)	(D)	448	(D)	(D)	47	(D)
1531	Operative builders .....	23	110	3 757	39 156	30 742	19 658	11 819	8 414	190	7	7
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	20	101	1 867	10 948	5 743	4 372	1 448	5 205	(D)	30	16
1542	Nonresidential buildings, n.e.c. ....	(S)	311	8 405	50 208	24 485	13 487	11 543	25 724	392	10	11
16	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction ....	10	80	2 771	12 624	11 404	5 346	(D)	1 220	214	8	5
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction .....	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines .....	20	309	8 912	34 174	29 710	19 713	10 212	4 464	3 807	8	10
1629	Heavy construction, n.e.c. ....	19	323	9 008	31 617	22 158	11 784	11 486	9 459	1 015	2	1
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air-conditioning .....	105	532	14 311	44 270	40 775	26 349	14 683	3 494	746	7	7
1721	Painting and paper hanging .....	36	69	1 109	5 292	(D)	2 829	1 359	(D)	161	5	(D)
1731	Electrical work .....	86	347	8 525	27 756	26 542	15 926	11 099	*1 214	182	14	14
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work .....	(S)	120	2 148	6 578	6 227	4 493	1 734	351	(S)	17	7
1742	Plastering, drywall, and insulation work .....	24	197	4 965	15 163	14 254	10 026	4 233	909	68	12	15
1743	Terrazzo, tile, marble, and mosaic work .....	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	(D)	(D)
175	Carpentry and floor work:											
1751	Carpentry .....	48	183	3 668	15 010	(D)	6 059	4 943	(D)	149	17	(D)
1752	Floor laying and other floor work ...	10	70	1 572	6 865	(D)	2 766	3 707	(D)	76	15	(D)
1761	Roofing, siding, and sheet metal work .....	25	175	2 915	11 383	10 758	5 877	4 881	625	269	7	6
1771	Concrete work .....	26	(D)	4 333	13 495	11 729	6 478	5 325	1 766	343	(D)	6
1781	Water well drilling .....	7	37	1 058	3 335	3 323	2 170	1 212	*12	(D)	28	29
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	*9	(D)	(S)	(D)	(D)	(S)	(S)	(D)	(D)	(D)	(D)
1793	Glass and glazing work .....	*13	*46	*1 354	(D)	(D)	(S)	*2 455	(D)	(D)	66	(D)
1794	Excavation work .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1795	Wrecking and demolition work .....	(S)	(S)	(S)	(S)	(D)	(S)	(S)	(D)	(D)	(S)	(D)
1796	Installing building equipment, n.e.c. ...	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1799	Special trade contractors, n.e.c. ....	47	1 017	25 164	69 803	63 989	51 652	14 901	5 814	4 639	5	5
	<b>Lowell, MA-NH PMSA</b>											
15,16,17	<b>Construction industries .....</b>	<b>711</b>	<b>4 158</b>	<b>107 067</b>	<b>528 670</b>	<b>419 261</b>	<b>238 826</b>	<b>188 724</b>	<b>109 408</b>	<b>9 495</b>	<b>3</b>	<b>4</b>
15	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	96	309	5 515	36 626	26 767	10 710	(S)	(S)	(S)	16	21
1522	Other residential buildings .....	*5	(S)	*759	(S)	(S)	(S)	(S)	(S)	—	(S)	(S)
1531	Operative builders .....	33	207	6 136	93 229	66 412	34 617	35 840	26 817	*482	20	16
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	(S)	(S)	(S)	(S)	(D)	(S)	(S)	(D)	(S)	(S)	(D)
1542	Nonresidential buildings, n.e.c. ....	35	212	4 483	31 329	15 843	8 568	7 340	15 486	*2	29	18

CONSTRUCTION—GEOGRAPHIC AREA SERIES

MASSACHUSETTS MA-17

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 code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added‡	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
	<b>BOSTON-WORCESTER-LAWRENCE, MA-NH-ME-CT CMSA—Con.</b>											
	<b>Lowell, MA-NH PMSA—Con.</b>											
15,16,17	<b>Construction industries—Con.</b>											
16	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction -----	8	(S)	11 231	(D)	(D)	25 147	(D)	(D)	(S)	(S)	(D)
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	(S)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines -----	12	110	3 204	9 669	9 082	6 905	2 207	587	(D)	(D)	(D)
1629	Heavy construction, n.e.c. -----	(S)	(S)	(S)	(S)	(D)	(S)	(S)	(D)	(D)	(S)	(D)
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air-conditioning-----	114	477	12 485	58 368	47 336	28 430	18 941	*11 032	469	15	14
1721	Painting and paper hanging-----	46	151	(S)	(S)	(S)	(D)	1 671	(S)	229	20	(S)
1731	Electrical work -----	101	827	22 284	65 275	64 568	36 458	28 112	707	318	10	8
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work-----	18	69	(S)	3 791	3 661	2 446	1 215	*129	(D)	21	21
1742	Plastering, drywall, and insulation work-----	28	183	6 169	21 152	(D)	10 722	7 217	(D)	*100	16	(D)
1743	Terrazzo, tile, marble, and mosaic work-----	—	—	—	—	—	—	—	—	—	—	—
175	Carpentry and floor work:											
1751	Carpentry-----	55	94	1 422	5 997	4 764	2 830	2 024	*1 232	(D)	24	21
1752	Floor laying and other floor work ---	9	41	975	4 677	4 429	1 345	3 084	248	71	20	10
1761	Roofing, siding, and sheet metal work-----	(S)	259	8 177	20 196	19 198	13 995	(S)	998	173	17	14
1771	Concrete work -----	29	260	5 086	35 071	(D)	17 543	13 125	(D)	1 769	13	(D)
1781	Water well drilling -----	4	43	(D)	(D)	(D)	2 843	1 387	(D)	(D)	24	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	*4	*14	*129	*456	*360	*335	(D)	(S)	(D)	73	48
1793	Glass and glazing work -----	6	14	206	996	(D)	527	734	(D)	—	(Z)	(D)
1794	Excavation work-----	18	58	1 447	5 457	(D)	3 487	1 119	(D)	(D)	26	(D)
1795	Wrecking and demolition work -----	3	(D)	361	(D)	(D)	(D)	554	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. ---	4	61	2 072	6 865	(D)	3 835	(D)	(D)	—	(Z)	(D)
1799	Special trade contractors, n.e.c. -----	(S)	252	5 289	20 710	18 986	11 812	7 333	*1 724	414	8	13
	<b>Manchester, NH PMSA</b>											
15,16,17	<b>Construction industries-----</b>	<b>504</b>	<b>3 407</b>	<b>87 906</b>	<b>396 764</b>	<b>286 943</b>	<b>157 297</b>	<b>137 693</b>	<b>109 821</b>	<b>4 018</b>	<b>5</b>	<b>5</b>
	(See appropriate State for SIC detail.)											
	<b>Nashua, NH PMSA</b>											
15,16,17	<b>Construction industries-----</b>	<b>359</b>	<b>2 564</b>	<b>69 678</b>	<b>304 805</b>	<b>209 941</b>	<b>135 141</b>	<b>90 245</b>	<b>94 864</b>	<b>2 972</b>	<b>3</b>	<b>3</b>
	(See appropriate State for SIC detail.)											
	<b>New Bedford, MA PMSA</b>											
15,16,17	<b>Construction industries-----</b>	<b>322</b>	<b>1 346</b>	<b>29 494</b>	<b>120 156</b>	<b>103 574</b>	<b>65 071</b>	<b>39 438</b>	<b>16 582</b>	<b>2 690</b>	<b>9</b>	<b>7</b>
15	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses -----	49	103	1 143	10 107	6 582	3 788	3 228	3 525	(D)	38	32
1522	Other residential buildings-----	(S)	(D)	(D)	(D)	(D)	(D)	(D)	—	(D)	(D)	(D)
1531	Operative builders -----	(S)	(D)	(D)	(D)	(D)	(D)	(D)	226	(D)	(D)	(D)
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses-----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1542	Nonresidential buildings, n.e.c. -----	(S)	(S)	(S)	(S)	(S)	(S)	(S)	1 986	(D)	(S)	(S)
16	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction -----	(S)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	(D)	(D)
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	—	—	—	—	—	—	—	—	—	—	—
1623	Water, sewer, and utility lines -----	*7	93	3 276	17 716	(D)	8 583	3 883	(D)	(D)	14	(D)
1629	Heavy construction, n.e.c. -----	4	(D)	1 407	5 007	(D)	(D)	(D)	(D)	(D)	(D)	(D)

MA-18 MASSACHUSETTS

CONSTRUCTION—GEOGRAPHIC AREA SERIES

**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 code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added‡	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
	<b>BOSTON-WORCESTER-LAWRENCE, MA-NH-ME-CT CMSA—Con.</b>											
	<b>New Bedford, MA PMSA—Con.</b>											
15,16,17	<b>Construction industries—Con.</b>											
	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air-conditioning-----	36	(S)	2 347	10 168	9 978	6 511	(S)	190	405	(S)	27
1721	Painting and paper hanging-----	*12	*12	*162	(D)	(D)	*286	*179	(D)	(D)	(D)	61 (D)
1731	Electrical work-----	37	*118	2 004	(D)	(D)	3 647	2 467	(D)	(D)	(D)	40 (D)
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work-----	(S)	*64	*1 231	*4 991	*4 983	*3 348	*1 634	(S)	—	47	45
1742	Plastering, drywall, and insulation work-----	*19	169	4 092	11 697	10 773	5 958	4 815	924	167	19	16
1743	Terrazzo, tile, marble, and mosaic work-----	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	—	(S)	(S)
175	Carpentry and floor work:											
1751	Carpentry-----	47	166	2 876	12 618	11 543	5 446	6 097	*1 075	(S)	32	29
1752	Floor laying and other floor work-----	*9	*26	*573	*2 247	*2 239	(D)	*1 174	8	*46	51	52
1761	Roofing, siding, and sheet metal work-----	*6	*82	1 937	6 770	(D)	4 009	*1 969	(D)	202	45	(D)
1771	Concrete work-----	*30	96	(S)	*7 195	*6 980	4 164	*2 821	*215	(S)	39	41
1781	Water well drilling-----	—	—	—	—	—	—	—	—	—	—	—
179	Miscellaneous special trade contractors:											
1791	Structural steel erection-----	(S)	(D)	(D)	(D)	(D)	(D)	(D)	—	(D)	(D)	(D)
1793	Glass and glazing work-----	1	(D)	(D)	(D)	(D)	(D)	(D)	—	—	(D)	(D)
1794	Excavation work-----	(S)	117	3 309	12 586	10 999	8 633	2 614	1 587	(D)	6	8
1795	Wrecking and demolition work-----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.-----	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	*835	(S)	(S)
1799	Special trade contractors, n.e.c.-----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	(D)	(D)
	<b>Portsmouth-Rochester, NH-ME PMSA</b>											
15,16,17	<b>Construction industries-----</b>	<b>714</b>	<b>2 907</b>	<b>64 307</b>	<b>262 556</b>	<b>224 525</b>	<b>132 790</b>	<b>96 814</b>	<b>38 030</b>	<b>4 418</b>	<b>7</b>	<b>7</b>
	(See appropriate State for SIC detail.)											
	<b>Worcester, MA-CT PMSA</b>											
15,16,17	<b>Construction industries-----</b>	<b>1 112</b>	<b>8 958</b>	<b>290 127</b>	<b>959 896</b>	<b>752 864</b>	<b>472 223</b>	<b>289 233</b>	<b>207 032</b>	<b>8 326</b>	<b>3</b>	<b>3</b>
15	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses-----	(S)	(S)	(S)	(S)	(S)	(S)	18 336	(S)	422	(S)	(S)
1522	Other residential buildings-----	(S)	(D)	(D)	(S)	(S)	(S)	(D)	(S)	—	(D)	(S)
1531	Operative builders-----	(S)	101	(S)	(S)	(S)	(D)	(S)	(S)	—	32	(S)
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses-----	*24	146	(D)	10 840	7 356	4 252	3 144	3 484	—	39	32
1542	Nonresidential buildings, n.e.c.-----	54	432	13 752	150 316	48 175	24 827	24 617	102 142	848	14	10
16	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction-----	25	169	(D)	20 032	(D)	11 732	5 348	(D)	(S)	13	(D)
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	*3	*30	*1 194	*5 276	(S)	*3 196	*1 294	(S)	(D)	62	(S)
1623	Water, sewer, and utility lines-----	32	300	8 477	25 440	23 257	16 360	6 914	2 183	247	28	18
1629	Heavy construction, n.e.c.-----	(S)	2 308	(D)	227 828	200 323	(D)	73 682	27 505	(D)	1	1

CONSTRUCTION—GEOGRAPHIC AREA SERIES

MASSACHUSETTS MA-19

**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 code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
<b>BOSTON-WORCESTER-LAWRENCE, MA-NH-ME-CT CMSA—Con.</b>												
<b>Worcester, MA-CT PMSA—Con.</b>												
<b>15,16,17</b>	<b>Construction industries—Con.</b>											
<b>Special trade contractors:</b>												
1711	Plumbing, heating, and air-conditioning .....	152	887	22 828	77 802	66 953	39 451	28 298	10 848	(S)	15	14
1721	Painting and paper hanging .....	55	192	3 487	8 869	8 561	(D)	3 016	*307	(D)	32	30
1731	Electrical work .....	155	1 133	34 670	98 565	91 669	55 659	36 311	6 896	402	9	7
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work .....	*20	97	2 898	8 610	8 273	5 751	2 524	*337	304	23	16
1742	Plastering, drywall, and insulation work .....	58	200	4 105	19 148	14 382	9 600	4 783	4 766	43	26	24
1743	Terrazzo, tile, marble, and mosaic work .....	*3	(S)	*399	*1 632	*1 632	*472	*1 161	—	—	(S)	71
175	Carpentry and floor work:											
1751	Carpentry .....	94	331	8 640	40 102	31 241	20 108	11 744	*8 861	*30	19	22
1752	Floor laying and other floor work .....	34	*110	*2 233	11 106	*10 151	*5 631	*4 520	*955	*186	42	40
1761	Roofing, siding, and sheet metal work .....	(S)	(S)	5 001	(S)	(S)	(S)	(S)	*763	(S)	(S)	(S)
1771	Concrete work .....	38	(D)	2 235	(D)	(D)	4 774	3 390	(S)	(D)	(D)	(D)
1781	Water well drilling .....	11	123	4 207	(D)	(D)	(D)	4 455	*81	(D)	23	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	*13	(D)	(D)	(D)	(D)	(D)	4 041	(D)	(S)	(D)	(D)
1793	Glass and glazing work .....	*15	*71	1 959	4 956	(D)	*3 257	*2 966	(D)	(S)	44	(D)
1794	Excavation work .....	44	244	6 544	23 101	20 070	(D)	4 098	3 031	1 030	25	21
1795	Wrecking and demolition work .....	(S)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	(D)	(D)
1796	Installing building equipment, n.e.c. .....	7	171	1 665	(D)	(D)	2 978	679	(D)	—	(Z)	(D)
1799	Special trade contractors, n.e.c. ....	(S)	292	7 098	27 911	(D)	(D)	13 492	(D)	211	23	(D)
<b>PROVIDENCE-FALL RIVER-WARWICK, RI-MA MSA</b>												
<b>15,16,17</b>	<b>Construction industries .....</b>	<b>3 085</b>	<b>15 423</b>	<b>395 978</b>	<b>1 984 282</b>	<b>1 394 678</b>	<b>850 380</b>	<b>588 115</b>	<b>589 604</b>	<b>21 873</b>	<b>1</b>	<b>1</b>
<b>15</b>	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	544	1 420	26 022	138 125	104 016	57 681	47 680	34 109	(S)	7	8
1522	Other residential buildings .....	52	(D)	2 723	19 114	11 303	8 167	4 247	*7 811	*335	(D)	25
1531	Operative builders .....	76	188	4 718	56 780	38 979	18 887	20 892	17 802	103	15	11
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	(S)	429	16 497	(D)	(D)	24 208	(D)	(D)	640	5	(D)
1542	Nonresidential buildings, n.e.c. ....	140	2 106	55 138	484 706	248 877	155 299	101 685	235 829	1 269	3	3
<b>16</b>	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction .....	35	927	30 210	127 377	105 937	71 876	49 410	21 440	3 777	6	3
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction .....	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines .....	35	517	16 237	65 157	56 519	39 763	17 031	8 638	1 336	5	19
1629	Heavy construction, n.e.c. ....	73	378	10 137	42 161	35 889	24 113	12 553	6 272	3 257	7	6
<b>17</b>	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air-conditioning .....	352	1 729	50 446	183 830	162 962	95 847	67 832	20 867	(S)	4	5
1721	Painting and paper hanging .....	169	513	8 460	24 445	22 283	17 020	5 273	2 163	*457	10	7
1731	Electrical work .....	368	1 650	44 128	131 524	128 313	74 737	55 818	3 212	1 784	4	3
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work .....	114	(S)	(S)	(S)	(S)	(S)	(S)	(S)	383	(S)	(S)
1742	Plastering, drywall, and insulation work .....	119	715	18 283	54 538	51 387	34 828	16 690	3 151	431	9	6
1743	Terrazzo, tile, marble, and mosaic work .....	(S)	87	1 494	6 626	6 341	3 552	2 891	(S)	15	19	17
175	Carpentry and floor work:											
1751	Carpentry .....	281	702	13 203	48 799	42 486	24 683	18 608	6 313	629	11	9
1752	Floor laying and other floor work .....	50	141	3 441	16 824	15 373	8 787	6 911	1 451	(D)	3	2

**MA-20 MASSACHUSETTS**

**CONSTRUCTION—GEOGRAPHIC AREA SERIES**

**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 code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added‡	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
	<b>PROVIDENCE-FALL RIVER-WARWICK, RI-MA MSA—Con.</b>											
15,16,17	<b>Construction industries—Con.</b>											
17	<b>Special trade contractors—Con.</b>											
1761	Roofing, siding, and sheet metal work .....	120	779	16 968	59 915	56 335	33 076	23 277	3 580	566	7	7
1771	Concrete work .....	135	629	13 182	45 149	39 438	24 626	16 740	5 710	1 177	8	8
1781	Water well drilling .....	12	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	16	(D)	(D)	(D)	(D)	(D)	7 097	(D)	(D)	(D)	(D)
1793	Glass and glazing work .....	23	154	6 255	(D)	(D)	10 498	13 114	(D)	(D)	8	(D)
1794	Excavation work .....	109	341	7 054	25 735	24 407	18 370	7 377	1 328	1 005	8	9
1795	Wrecking and demolition work .....	12	(D)	(D)	(D)	(D)	4 329	(D)	309	133	(D)	(D)
1796	Installing building equipment, n.e.c. ...	20	171	5 013	12 006	11 866	10 083	1 840	140	(D)	2	1
1799	Special trade contractors, n.e.c. ....	152	587	13 581	51 733	48 436	29 568	19 391	3 297	574	12	14
	<b>SPRINGFIELD, MA MSA</b>											
15,16,17	<b>Construction industries .....</b>	<b>1 097</b>	<b>7 327</b>	<b>196 552</b>	<b>797 567</b>	<b>610 990</b>	<b>374 067</b>	<b>267 688</b>	<b>186 577</b>	<b>12 438</b>	<b>3</b>	<b>2</b>
15	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	(S)	608	11 243	63 624	47 108	25 656	23 182	16 517	918	12	14
1522	Other residential buildings .....	(S)	*50	1 657	8 733	(D)	*1 989	*3 517	(D)	(S)	60	(D)
1531	Operative builders .....	33	88	1 689	24 883	17 680	13 527	4 316	7 203	(D)	33	34
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	19	256	7 651	30 379	18 556	13 151	5 446	11 824	263	39	32
1542	Nonresidential buildings, n.e.c. ....	42	552	18 592	109 112	51 453	24 627	27 034	57 658	(D)	8	6
16	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction .....	25	394	13 545	43 579	35 672	24 952	18 612	7 906	1 106	11	8
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction .....	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	72	(D)	(D)
1623	Water, sewer, and utility lines .....	11	135	3 708	13 947	12 356	6 281	6 702	1 591	(D)	26	17
1629	Heavy construction, n.e.c. ....	(S)	(S)	(S)	(D)	(D)	(S)	(S)	(S)	(D)	(S)	(D)
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air-conditioning .....	138	1 054	35 997	158 013	120 025	70 158	50 938	37 988	2 024	5	4
1721	Painting and paper hanging .....	81	366	5 516	14 660	13 779	10 613	3 167	(S)	(D)	19	18
1731	Electrical work .....	109	785	22 302	66 570	66 340	43 409	23 330	230	549	6	6
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work .....	33	248	7 291	20 466	19 644	12 218	7 463	*822	180	12	7
1742	Plastering, drywall, and insulation work .....	(S)	(S)	8 676	24 184	21 842	(S)	7 404	2 342	(S)	(S)	9
1743	Terrazzo, tile, marble, and mosaic work .....	8	*40	*1 146	*2 524	(D)	*1 927	*1 575	(D)	(D)	48	(D)
175	Carpentry and floor work:											
1751	Carpentry .....	84	226	4 538	20 281	18 700	9 991	8 858	1 581	207	16	12
1752	Floor laying and other floor work .....	15	25	483	2 270	2 033	1 170	(D)	237	(D)	(Z)	(Z)
1761	Roofing, siding, and sheet metal work .....	58	467	11 229	52 748	46 178	25 613	22 906	6 570	599	12	10
1771	Concrete work .....	(S)	427	11 248	34 141	33 636	19 613	14 023	506	(S)	12	17
1781	Water well drilling .....	3	(D)	(D)	(D)	(D)	(D)	1 001	62	(D)	(D)	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	6	*36	*569	*1 427	*1 365	*1 013	*352	(S)	—	50	68
1793	Glass and glazing work .....	4	28	676	(D)	(D)	1 084	1 296	(D)	(D)	(Z)	(D)
1794	Excavation work .....	45	258	7 190	23 023	(D)	13 724	7 874	(D)	*397	22	(D)
1795	Wrecking and demolition work .....	*6	*74	844	*2 549	(D)	1 841	*1 047	(D)	(D)	59	(D)
1796	Installing building equipment, n.e.c. ...	*18	174	3 745	13 364	12 219	9 290	3 075	(S)	(S)	13	26
1799	Special trade contractors, n.e.c. ....	83	457	8 489	22 287	20 962	13 325	10 081	1 325	1 441	17	15

**CONSTRUCTION—GEOGRAPHIC AREA SERIES**

**MASSACHUSETTS MA-21**

# Contents

## New Hampshire

[Page numbers listed here omit the prefix that appears as part of the number of each page]

	Page
Summary of Findings .....	2

### FIGURES

1. Value of Construction Work by Type of Construction .....	3
2. Selected Costs per Dollar Value of Business Done .....	3

### TABLES

#### Statistics for Establishments With and Without Payroll

1. Summary Statistics by Industry: 1992 and 1987 .....	5
--	---

#### Statistics for Establishments With Payroll

2. General Statistics by Industry: 1992 and 1987 .....	6
3. Detailed Statistics: 1992 and Earlier Census Years .....	8
4. Assets, Capital Expenditures, and Depreciation: 1992 and 1987 .....	9
5. Value of Inventories: 1992 and 1991 .....	9
6. Selected Statistics by Employment Size Class: 1992 and 1987 .....	10
7. Selected Statistics by Size Class of Dollar Value of Business Done: 1992 and 1987 .....	10
8. Value of Construction Work by Type of Construction: 1992 and 1987 .....	11
9. Quarterly Construction Worker Employment by Industry: 1992 .....	12
10. Selected Industry Ratios in This State: 1992 .....	13
11. Selected Statistics for Selected Metropolitan Areas: 1992 .....	14



## 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*.<sup>1</sup> 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

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.

<sup>1</sup>*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.

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

1992   
1987 

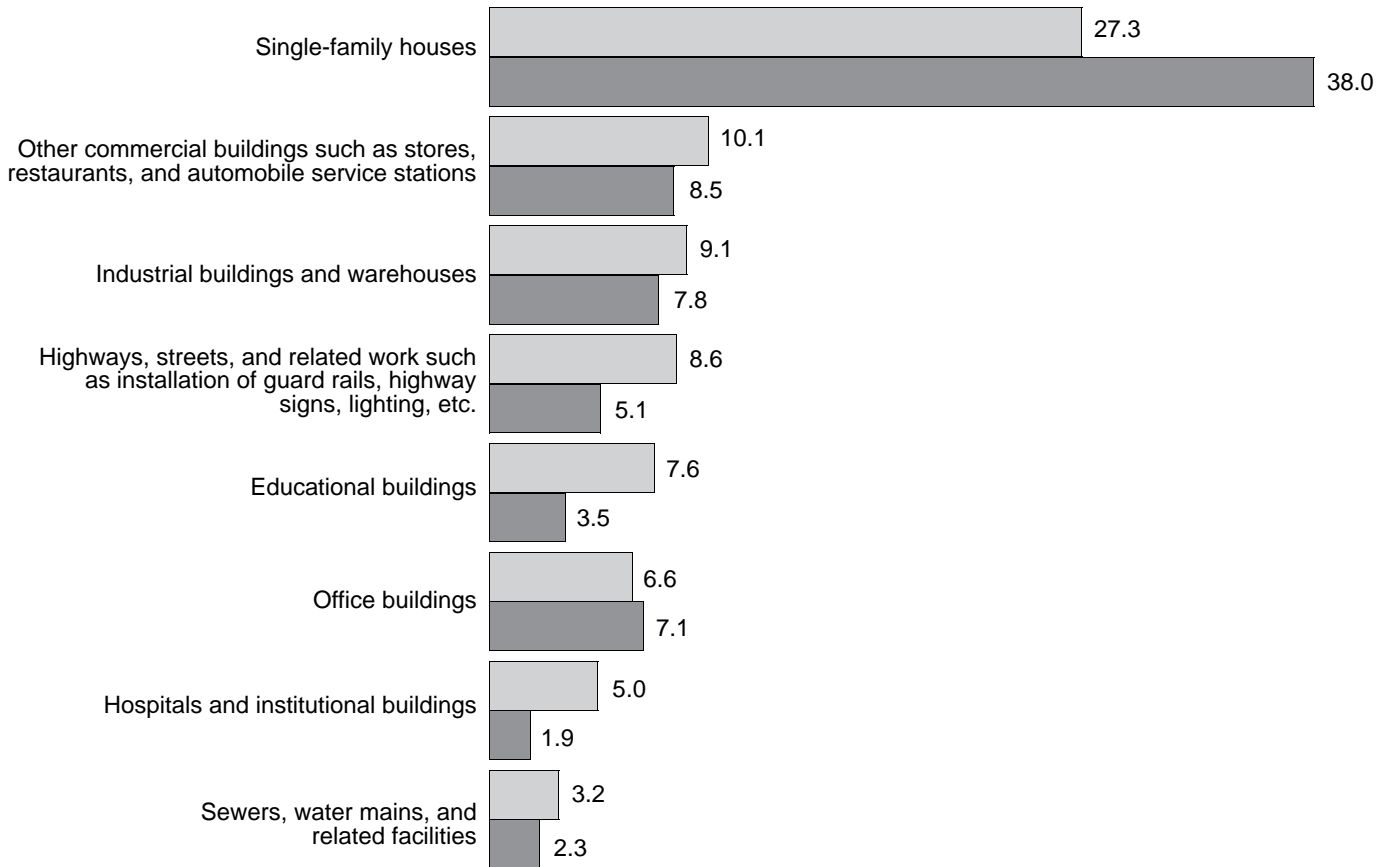


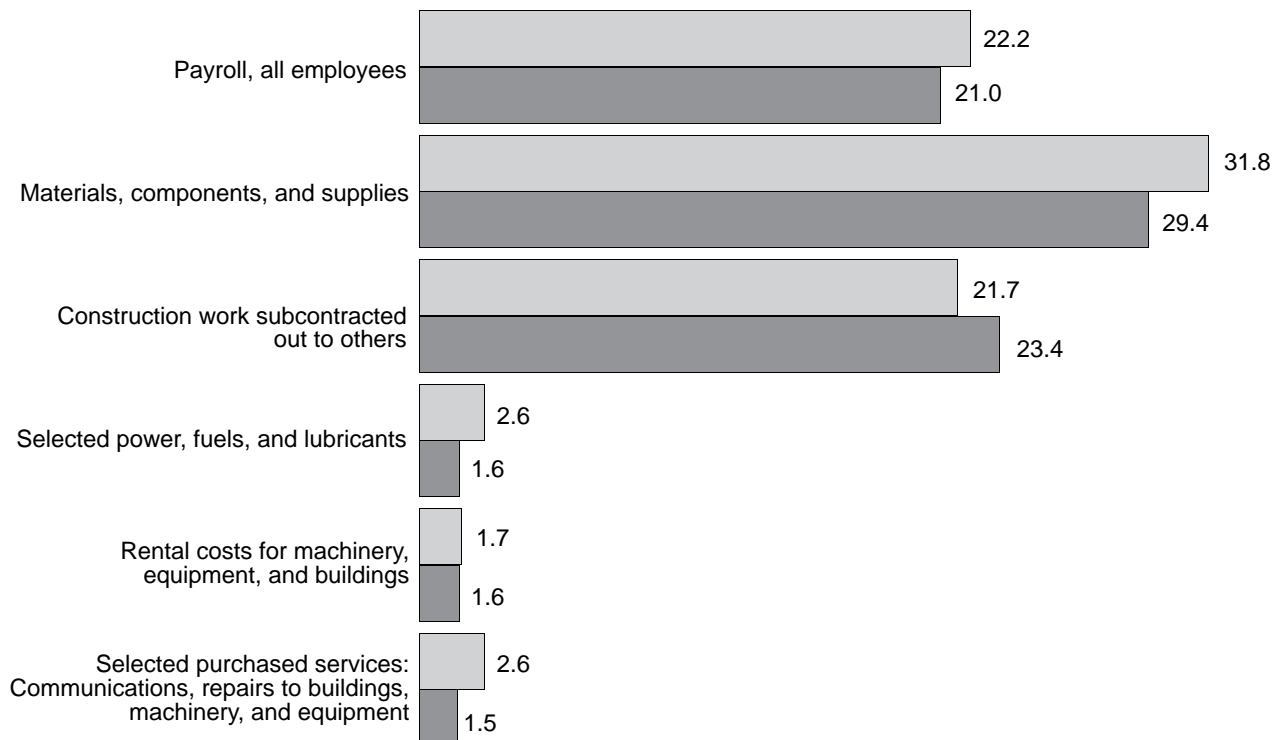


Figure 2. **Selected Costs per Dollar Value of Business Done**  
(Percent)

1992   
1987 



**Table 1. Summary Statistics for Establishments With and Without 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]

SIC code	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 partners	Dollar value of business done <sup>1</sup>	Number	Proprietors and working partners	All employees**	Dollar value of business done			
		A	B	C	D	E	F	G	H	I	J	K			J
<b>1992</b>															
15, 16, 17	Construction industries -----	15 163	13 318	17 158	2 236 230	11 844	11 735	380 154	3 319	1 583	17 158	1 856 076	1	1	
15	Building construction—General contractors and operative builders ----	2 970	2 343	4 285	785 834	1 973	1 863	127 838	997	480	4 285	657 996	3	3	
16	Heavy construction other than building construction—contractors -----	417	234	2 829	376 389	175	165	6 037	242	(S)	2 829	370 352	4	3	
17	Special trade contractors -----	11 776	10 742	10 044	1 074 006	9 696	9 707	246 279	2 080	1 035	10 044	827 727	2	2	
1711	Plumbing, heating, and air-conditioning --	1 307	1 096	2 436	256 596	877	890	34 285	430	(S)	2 436	222 311	4	4	
1731	Electrical work -----	1 140	922	1 496	136 122	803	799	19 379	337	123	1 496	116 743	5	5	
<b>1987</b>															
15, 16, 17	Construction industries <sup>2</sup> -----	17 600	13 723	37 889	4 643 307	12 263	12 146	911 273	5 337	1 577	37 889	3 732 034	1	2	
15	Building construction—General contractors and operative builders ----	4 390	2 850	14 068	2 250 374	2 555	2 389	341 761	1 835	461	14 068	1 908 613	2	4	
16	Heavy construction other than building construction—contractors -----	467	213	4 492	468 167	178	176	14 131	289	37	4 492	454 036	3	3	
17	Special trade contractors -----	12 136	10 164	19 016	1 701 011	9 012	9 103	373 141	3 124	1 061	19 016	1 327 870	2	2	
1711	Plumbing, heating, and air-conditioning --	1 165	829	3 796	352 083	643	642	35 615	522	187	3 796	316 468	4	4	
1731	Electrical work -----	1 021	745	2 609	189 867	603	599	22 717	418	146	2 609	167 150	4	4	

<sup>1</sup>For 1992, nonemployer records showing revenues greater than \$1 million were excluded. See Introduction text.

<sup>2</sup>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]

SIC code	Industry	1992							
		Number of establishments	Employees**		Payroll		Value of construction work	Net value of construction work†	Value added††
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
<b>15, 16, 17</b>	<b>Construction industries<sup>1</sup>.....</b>	<b>3 319</b>	<b>17 158</b>	<b>12 885</b>	<b>412 461</b>	<b>287 567</b>	<b>1 772 094</b>	<b>1 368 654</b>	<b>814 793</b>
<b>15</b>	<b>Building construction—General contractors and operative builders:</b>								
152	General contractors, residential buildings:								
1521	Single-family houses.....	728	2 170	1 633	35 315	26 538	197 702	147 215	73 417
1522	Other residential buildings.....	26	115	88	3 315	1 868	*11 333	8 019	7 313
1531	Operative builders.....	85	350	146	9 452	2 881	108 196	78 713	38 399
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses.....	60	332	223	6 827	4 240	32 450	19 792	14 667
1542	Nonresidential buildings, n.e.c.....	97	1 318	889	40 692	22 660	281 158	105 920	73 333
<b>16</b>	<b>Heavy construction other than building construction—contractors:</b>								
1611	Highway and street construction.....	69	1 270	1 007	40 732	29 622	155 132	133 850	84 442
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction.....	7	120	86	3 715	2 575	19 636	12 598	7 687
1623	Water, sewer, and utility lines.....	36	432	356	10 925	7 549	34 125	30 745	21 786
1629	Heavy construction, n.e.c.....	129	1 006	778	25 999	18 717	122 719	94 521	48 805
<b>17</b>	<b>Special trade contractors:</b>								
1711	Plumbing, heating, and air-conditioning.....	430	2 436	1 735	65 601	46 841	219 830	191 975	109 344
1721	Painting and paper hanging.....	183	524	435	8 019	6 390	25 931	22 945	16 529
1731	Electrical work.....	337	1 496	1 134	37 299	26 156	114 711	112 656	64 166
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework.....	79	259	224	5 200	4 378	16 384	15 839	9 854
1742	Plastering, drywall, and insulation work.....	105	967	781	25 301	18 965	91 165	77 917	43 560
1743	Terrazzo, tile, marble, and mosaic work.....	8	22	17	399	318	1 771	1 667	903
175	Carpentry and floor work:								
1751	Carpentry.....	247	672	554	12 533	10 174	55 730	46 986	27 654
1752	Floor laying and other floor work.....	48	188	149	4 195	3 245	22 722	21 013	9 682
1761	Roofing, siding, and sheet metal work.....	114	656	454	13 361	7 975	45 895	43 628	(D)
1771	Concrete work.....	145	603	521	12 532	10 120	43 811	42 321	26 256
1781	Water well drilling.....	32	139	100	3 506	2 463	12 019	(D)	6 989
179	Miscellaneous special trade contractors:								
1791	Structural steel erection.....	39	336	262	7 833	5 597	21 405	20 064	14 154
1793	Glass and glazing work.....	19	101	64	2 412	1 498	*8 635	(D)	*6 089
1794	Excavation work.....	170	604	493	12 464	10 554	50 293	45 552	33 003
1795	Wrecking and demolition work.....	9	73	61	(D)	1 108	6 110	(D)	(D)
1796	Installing building equipment, n.e.c.....	16	282	215	7 022	5 272	23 168	22 203	16 179
1799	Special trade contractors, n.e.c.....	101	687	480	(D)	9 864	50 063	47 144	31 776

<sup>1</sup>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—			SIC code
Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted out to others	Value of construction work sub-contracted in from others	Rental cost of machinery, equipment, and buildings	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Value of construction work	Value added††				
I	J	K	L	M	N	O	P	Q	B	G	M	
637 843	403 440	526 999	31 296	29 122	367 591	37 889	3 547 066	1 608 817	1	1	5	15, 16, 17 15
76 548 1 384	50 487 *3 315	14 531 408	2 119 *208	2 085 *250	24 026 *3 110	5 936 1 232	478 134 143 207	196 197 50 741	6 27	6 34	25 63	152 1521 1522
42 062	29 484	(S)	525	(S)	7 670	2 843	540 503	184 272	10	11	(S)	1531
8 483 51 208	12 658 175 238	*1 409 16 992	482 2 389	98 2 032	5 264 28 495	764 3 293	(D) 498 313	33 391 141 497	20 4	19 7	31 9	154 1541 1542
(D)	21 282	35 615	8 252	5 034	82 880	2 222	211 118	115 444	5	5	7	16 1611
6 385 9 333 48 171	7 038 3 380 28 198	2 587 8 432 28 143	599 561 2 688	215 1 283 7 394	6 536 20 352 49 137	130 776 1 364	15 740 64 422 123 510	8 174 40 062 73 299	18 13 7	15 13 6	(Z) 31 10	162 1622 1623 1629
85 113	27 855	100 535	3 658	2 733	25 752	3 796	309 159	158 470	4	4	15	17 1711
(D)	2 987	12 816	289	285	2 447	1 155	42 409	33 941	13	12	30	172 1721
50 522	2 055	61 179	1 696	1 301	13 936	2 609	166 088	93 314	5	5	17	173 1731
6 021 34 477 767	545 13 248 103	12 983 78 699 1 599	234 1 242 (S)	*152 (S) (S)	3 572 (S) 58	1 015 2 179 124	50 120 167 717 8 474	32 393 85 716 4 794	11 7 4	8 6 7	44 (S) (S)	174 1741 1742 1743
20 373 11 528	8 743 1 709	19 346 13 130	684 134	376 196	6 689 (S)	1 916 166	100 491 10 852	54 041 5 576	8 11	10 10	24 (Z)	175 1751 1752
22 547	2 267	21 113	1 016	571	9 079	1 145	79 974	44 879	8	8	18	176 1761
16 243	1 490	27 607	790	969	12 115	1 485	90 859	52 940	11	13	24	177 1771
4 889	(D)	*3 263	152	217	(S)	179	18 609	12 641	25	(D)	27	178 1781
(D) (D) 17 182 (D) (D) 6 306 16 215	1 341 (D) 4 741 (D) (D) 965 2 919	19 314 3 571 17 035 (D) 12 048 (D)	463 (S) 1 610 231 244 780	*186 (D) 2 074 (D) (D) 159 474	3 645 1 251 28 668 2 559 1 531 4 718	357 154 1 565 (S) (S) 162 918	20 045 12 531 143 366 (S) (S) 16 844 59 667	15 766 6 117 102 587 (S) (S) 10 525 35 242	14 30 13 7 1 12	13 (D) 12 (D) (D) 1 15	51 (D) 38 (D) (Z) 21	179 1791 1793 1794 1795 1796 1799

CONSTRUCTION—GEOGRAPHIC AREA SERIES

NEW HAMPSHIRE NH-7

**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 .....	3 319	5 337	2 693	3 000	1	1	3	5
Proprietors and working partners.....	1 583	1 577	1 093	1 795	3	6	6	8
All employees** .....	17 158	37 889	23 234	17 548	1	1	2	3
Construction workers:								
March.....	10 253	26 487	15 669	11 481	2	2	2	3
May.....	13 109	30 487	19 592	15 552	2	1	2	3
August.....	14 675	33 082	21 493	17 465	1	1	2	3
November.....	13 501	29 500	19 381	16 311	2	1	2	4
Average.....	12 885	29 889	19 318	15 220	1	1	2	3
Other employees:								
March.....	4 263	7 806	3 889	2 176	2	3	3	4
May.....	4 133	7 900	(NA)	(NA)	2	2	(NA)	(NA)
August.....	4 326	8 283	(NA)	(NA)	2	2	(NA)	(NA)
November.....	4 373	8 012	(NA)	(NA)	2	2	(NA)	(NA)
Average.....	4 274	8 000	(NA)	(NA)	2	2	(NA)	(NA)
Payroll, all employees .....	412 461	782 587	415 353	174 003	1	1	1	3
Payroll, construction workers .....	287 567	554 077	331 372	141 663	1	1	1	3
Payroll, other employees .....	124 894	228 509	83 981	32 340	2	2	2	3
First-quarter payroll, all employees .....	81 605	161 801	82 482	31 338	2	2	1	3
Fringe benefits, all employees .....	90 899	146 102	81 105	27 674	2	2	1	3
Legally required expenditures.....	67 308	109 439	52 681	19 936	2	2	2	3
Voluntary expenditures.....	23 591	36 662	28 423	7 738	2	2	1	2
Dollar value of business done .....	1 856 076	3 732 034	1 345 182	810 821	1	2	2	3
Value of construction work .....	1 772 094	3 547 066	1 306 758	775 529	1	2	2	3
Value of construction work subcontracted in from others .....	526 999	914 639	268 889	166 369	3	3	4	3
Other business receipts .....	83 982	92 048	31 570	35 292	3	3	5	13
Net value of construction† .....	1 368 654	2 673 614	1 067 783	604 260	1	2	2	3
Value added†† .....	814 793	1 608 817	672 103	330 329	1	2	1	3
Selected costs .....	1 041 283	2 030 298	666 225	461 188	2	2	2	3
Materials, components, and supplies .....	589 821	1 095 647	392 959	273 876	2	2	2	3
Construction work subcontracted out to others .....	403 440	873 452	238 975	171 269	3	4	3	7
Selected power, fuels, and lubricants.....	48 022	61 198	34 290	16 043	3	2	2	4
Electricity.....	6 707	8 072	5 094	1 944	6	3	3	5
Natural gas.....	2 422	1 239	833	500	5	7	17	18
Gasoline and diesel fuel .....	31 482	43 992	25 786	11 726	4	2	2	5
On highway use.....	23 914	32 428	(NA)	(NA)	4	2	(NA)	(NA)
Off highway use.....	7 568	11 564	(NA)	(NA)	5	3	(NA)	(NA)
Other, including lubricating oils and greases.....	7 411	7 894	2 577	1 872	3	2	5	10
Rental cost for machinery, equipment, and buildings .....	31 296	58 379	13 918	13 751	4	3	3	4
For machinery and equipment .....	19 460	44 800	10 292	11 965	5	4	4	3
For buildings.....	11 837	13 578	3 625	1 786	6	4	6	8
Selected purchased services .....	48 203	54 830	22 317	24 658	4	3	4	26
Communication services .....	14 459	13 406	6 484	*10 292	7	3	7	61
Repairs to buildings and other structures .....	1 740	4 155	1 408	1 469	19	6	10	26
Repairs to machinery and equipment .....	32 004	37 268	14 424	12 898	5	4	4	4
Ownership of construction projects:								
Value of construction work .....	1 772 094	3 547 066	1 306 758	775 529	1	2	2	3
Government owned .....	448 446	394 625	208 992	155 598	4	5	7	4
Federal .....	118 976	104 290	(NA)	(NA)	5	13	(NA)	(NA)
State and local .....	329 471	290 335	(NA)	(NA)	5	5	(NA)	(NA)
Privately owned .....	1 323 648	3 152 441	1 097 766	619 931	2	2	2	3

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**

[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	Relative standard error of estimate (percent)	
			1992	1987
<b>BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT</b>				
Beginning-of-year gross book value of depreciable assets .....	362 102	507 928	4	3
Capital expenditures, other than land .....	29 122	90 998	5	4
New .....	20 020	75 026	5	4
Used .....	9 102	15 972	10	9
Retirements and disposition of depreciable assets .....	23 632	25 621	17	19
End-of-year gross book value of depreciable assets .....	367 591	573 305	4	3
Depreciation charges during year .....	36 085	69 439	3	4
<b>Buildings and Other Structures, Additions, and Related Facilities</b>				
Beginning-of-year gross book value of depreciable assets .....	50 476	80 324	5	6
Capital expenditures, other than land .....	3 252	15 847	8	9
New buildings and other structures .....	2 874	13 540	9	10
Used buildings and other structures .....	377	2 306	23	16
Retirements and disposition of depreciable assets .....	1 458	1 812	6	16
End-of-year gross book value of depreciable assets .....	52 269	94 359	6	5
Depreciation charges during year .....	4 135	6 396	6	6
<b>Machinery and Equipment</b>				
Beginning-of-year gross book value of depreciable assets .....	311 627	427 604	4	4
Capital expenditures, other than land .....	25 870	75 151	5	4
New machinery and equipment, including automobiles and trucks .....	17 146	61 485	6	4
New automobiles and trucks, intended primarily for highway use .....	5 959	30 230	10	5
Used machinery and equipment, including automobiles and trucks .....	8 724	13 665	11	11
Retirements and disposition of depreciable assets .....	22 174	23 809	18	21
End-of-year gross book value of depreciable assets .....	315 323	478 946	4	3
Depreciation charges during year .....	31 950	63 042	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)
<b>All establishments:</b>		
Number .....	3 319	1
Value of construction work .....	1 772 094	1
<b>Establishments with inventories:</b>		
Number .....	1 144	4
Value of construction work .....	931 743	2
<b>Inventories<sup>1</sup>:</b>		
End of 1992, materials and supplies .....	34 550	5
End of 1991, materials and supplies .....	34 361	4
<b>Establishments with no inventories:</b>		
Number .....	1 083	5
Value of construction work .....	546 297	3
<b>Establishments not reporting:</b>		
Number .....	1 092	4
Value of construction work .....	294 054	4

<sup>1</sup>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—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
<b>1992</b>										
Number of establishments .....	3 319	2 371	557	237	126	20	7	1	—	—
All employees** .....	17 158	4 360	3 423	3 103	3 637	1 280	1 355	(D)	—	—
Payroll, all employees .....	412 461	72 709	72 334	75 805	102 570	43 132	45 912	(D)	—	—
Dollar value of business done .....	1 856 076	400 100	326 016	282 234	436 483	190 304	220 939	(D)	—	—
Value of construction work .....	1 772 094	394 036	320 431	274 299	424 283	171 971	187 074	(D)	—	—
Net value of construction work† .....	1 368 654	334 989	256 344	229 033	312 637	94 791	140 860	(D)	—	—
Value added†† .....	814 793	190 073	150 514	142 506	176 716	65 893	89 091	(D)	—	—
Cost of materials, components, supplies, and fuels .....	637 843	150 980	111 415	94 462	148 121	47 231	85 634	(D)	—	—
Cost of construction work subcontracted out to others .....	403 440	59 047	64 087	45 266	111 646	77 180	46 214	(D)	—	—
Rental cost for machinery, equipment, and buildings .....	31 296	5 510	4 375	5 015	7 023	2 349	7 025	(D)	—	—
Capital expenditures, other than land .....	29 122	6 429	4 772	3 801	5 666	2 023	6 431	(D)	—	—
End-of-year gross book value of depreciable assets .....	367 591	72 989	61 401	52 488	83 315	23 554	73 844	(D)	—	—
<b>1987</b>										
All employees** .....	37 889	(S)	7 649	7 462	7 866	3 456	3 614	1 508	(D)	—
Value of construction work .....	3 547 066	(S)	654 457	625 314	739 591	381 237	626 468	(D)	(D)	—
Value added†† .....	1 608 817	(S)	314 792	304 468	330 999	166 834	232 550	(D)	(D)	—
<b>1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)</b>										
All employees** .....	1	5	7	6	3	(Z)	(Z)	(D)	—	—
Net value of construction work† .....	1	5	7	6	3	(Z)	(Z)	(D)	—	—
Capital expenditures, other than land .....	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—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
<b>1992</b>											
Number of establishments .....	3 319	(S)	(S)	546	1 081	594	340	237	76	31	17
All employees** .....	17 158	(S)	(S)	809	2 534	2 638	2 659	3 150	1 955	1 391	1 738
Payroll, all employees .....	412 461	(S)	(S)	10 333	39 071	49 232	58 964	84 058	58 928	44 986	64 169
Dollar value of business done .....	1 856 076	(S)	(S)	42 005	171 169	202 986	226 250	341 670	247 245	209 122	405 106
Value of construction work .....	1 772 094	(S)	(S)	41 627	167 724	200 003	221 048	331 247	240 662	204 867	354 557
Net value of construction work† .....	1 368 654	(S)	(S)	38 335	149 843	175 489	191 957	271 355	185 917	155 109	190 979
Value added†† .....	814 793	(S)	(S)	22 874	91 232	98 790	119 183	160 953	110 959	86 830	118 341
Cost of materials, components, supplies, and fuels .....	637 843	(S)	(S)	15 839	62 056	79 682	77 976	120 826	81 541	72 534	123 187
Cost of construction work subcontracted out to others .....	403 440	(S)	(S)	3 293	17 881	24 515	29 091	59 892	54 745	49 758	163 578
Rental cost for machinery, equipment, and buildings .....	31 296	(S)	(S)	567	3 152	2 834	2 926	5 860	5 254	2 733	7 799
Capital expenditures, other than land .....	29 122	(S)	(S)	444	4 237	2 811	3 560	4 601	3 125	2 740	7 433
End-of-year gross book value of depreciable assets .....	367 591	(S)	(S)	8 431	35 210	42 615	57 691	67 425	43 479	20 807	90 587
<b>1987</b>											
All employees** .....	37 889	(S)	(S)	(S)	(S)	5 357	5 449	7 873	4 001	3 501	5 107
Value of construction work .....	3 547 066	(S)	(S)	(S)	(S)	357 530	405 550	713 425	465 541	498 981	786 826
Value added†† .....	1 608 817	(S)	(S)	(S)	(S)	186 824	212 428	353 886	219 688	189 714	270 526
<b>1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)</b>											
All employees** .....	1	(S)	(S)	10	7	8	8	5	4	2	(Z)
Net value of construction work† .....	1	(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	A	B	C	D
<b>1992</b>								
<b>Value of construction work</b> .....	<b>1 772 094</b>	<b>884 992</b>	<b>515 950</b>	<b>260 266</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>3</b>
Building construction .....	1 256 003	723 591	381 545	150 866	2	3	4	4
Single-family houses .....	483 246	305 907	122 383	54 956	4	5	6	7
Single-family houses, detached .....	452 528	290 465	113 479	48 584	4	6	7	7
Single-family houses, attached, including townhouses and townhouse-type condominiums .....	30 718	15 442	8 904	6 372	12	13	25	18
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives .....	35 157	15 939	8 318	10 900	10	17	13	11
Other residential buildings, including hotels, motels, and tourist cabins .....	26 473	22 968	2 094	1 411	23	27	21	13
Hotels, motels, and tourist cabins .....	15 475	12 711	1 501	1 263	4	2	25	14
Other residential buildings .....	*10 997	*10 257	593	(S)	56	60	37	(S)
Office buildings .....	116 109	47 238	55 953	12 918	5	3	9	10
Other commercial buildings such as stores, restaurants, and automobile service stations .....	178 527	101 952	50 412	26 163	4	4	8	9
Industrial buildings and warehouses .....	161 868	78 060	55 290	28 519	4	5	6	10
Industrial buildings .....	137 458	61 321	49 705	26 432	4	5	7	11
Warehouses .....	24 410	16 739	5 585	2 086	9	10	6	17
Educational buildings .....	134 349	77 835	48 599	7 916	5	3	14	6
Hospitals and institutional buildings .....	88 747	52 766	31 635	4 347	6	8	8	13
Other nonresidential buildings .....	31 527	20 927	6 864	3 737	5	5	12	9
Nonbuilding construction .....	405 205	161 401	134 405	109 399	3	5	3	7
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc. ....	151 867	34 895	57 385	59 587	5	17	4	6
Bridges, tunnels, and elevated highways .....	29 547	9 217	15 301	5 029	8	24	(Z)	5
Power and communication transmission lines, towers, and related facilities .....	19 642	(D)	(D)	5 617	14	(D)	(D)	8
Sewers, water mains, and related facilities .....	56 813	37 606	7 556	11 651	7	8	15	13
Sewers, sewer lines, septic systems, and related facilities .....	35 560	23 094	4 290	8 177	8	7	22	15
Water mains and related facilities .....	21 253	14 513	3 266	3 474	11	15	11	14
Blast furnaces, petroleum refineries, chemical complexes, etc. ....	17 135	(D)	(D)	6 952	5	(D)	(D)	7
Sewage treatment and water treatment plants .....	56 102	27 259	27 764	*1 079	5	2	9	50
Sewage treatment plants .....	38 656	(D)	(D)	*386	2	(D)	(D)	55
Water treatment plants .....	17 446	(D)	(D)	*693	12	(D)	(D)	47
Other nonbuilding construction .....	74 100	38 861	15 754	19 485	10	7	13	32
Construction work, n.s.k. ....	110 886	(NA)	(NA)	(NA)	8	(NA)	(NA)	(NA)
<b>1987</b>								
<b>Value of construction work</b> .....	<b>3 547 066</b>	<b>2 550 131</b>	<b>540 937</b>	<b>248 532</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>4</b>
Building construction .....	2 837 370	2 171 448	474 531	172 579	2	3	3	4
Single-family houses .....	1 349 553	1 110 225	159 636	79 691	4	5	6	7
Single-family houses, detached .....	985 560	762 642	150 355	72 561	4	5	7	7
Single-family houses, attached, including townhouses and townhouse-type condominiums .....	363 992	347 582	9 280	7 129	12	13	10	17
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives .....	258 498	220 413	21 622	16 463	5	5	17	11
Other residential buildings, including hotels, motels, and tourist cabins .....	131 429	90 897	32 728	7 803	8	8	17	23
Hotels, motels, and tourist cabins .....	55 670	44 063	8 684	2 922	8	9	16	13
Other residential buildings .....	75 759	46 834	24 044	4 880	10	9	22	35
Office buildings .....	252 415	176 035	63 900	12 480	3	3	5	10
Other commercial buildings such as stores, restaurants, and automobile service stations .....	302 376	223 242	62 415	16 718	3	3	9	13
Industrial buildings and warehouses .....	275 516	211 852	42 257	21 406	2	2	3	7
Industrial buildings .....	239 394	183 492	36 969	18 933	2	3	4	7
Warehouses .....	36 121	28 360	5 288	2 473	4	4	6	18
Educational buildings .....	125 504	71 991	48 012	5 500	4	5	8	7
Hospitals and institutional buildings .....	67 797	34 897	28 064	4 835	5	9	4	7
Other nonresidential buildings .....	74 282	48 195	16 177	9 915	(NA)	(NA)	(NA)	(NA)
Nonbuilding construction .....	502 232	362 384	66 126	73 721	3	3	6	7
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc. ....	180 080	123 998	17 148	38 933	5	5	12	8
Power and communication transmission lines, towers, and related facilities .....	19 478	12 158	4 747	2 572	7	7	5	13
Sewers, water mains, and related facilities .....	82 851	67 060	10 000	5 790	9	9	18	38
Sewers, sewer lines, septic systems, and related facilities .....	59 301	49 033	7 137	3 129	11	11	23	34
Water mains and related facilities .....	23 550	18 026	2 863	*2 660	10	8	11	45
Sewage treatment and water treatment plants .....	36 664	30 020	6 156	487	10	10	9	5
Other nonbuilding construction .....	242 460	178 182	35 212	29 069	(NA)	(NA)	(NA)	(NA)
Construction work, n.s.k. ....	207 464	(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**

[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 code	Industry	Number of establishments	Average number of construction workers	Construction workers <sup>1</sup>				Relative standard error of estimate (percent) for column—					
				January to March	April to June	July to September	October to December	A	B	C	D	E	F
				A	B	C	D	E	F	A	B	C	D
<b>15, 16, 17</b>	<b>Construction industries -----</b>	<b>3 319</b>	<b>12 885</b>	<b>10 253</b>	<b>13 109</b>	<b>14 675</b>	<b>13 501</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>2</b>
<b>15</b>	<b>Building construction—General contractors and operative builders:</b>												
152	General contractors, residential buildings:												
1521	Single-family houses -----	728	1 633	1 437	1 595	1 809	1 691	4	7	7	7	7	8
1522	Other residential buildings -----	26	88	78	92	94	90	35	29	28	30	28	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 -----	60	223	234	193	216	248	24	22	20	22	22	31
1542	Nonresidential buildings, n.e.c. ---	97	889	821	883	973	880	16	5	5	4	4	5
<b>16</b>	<b>Heavy construction other than building construction—contractors:</b>												
1611	Highway and street construction ----	69	1 007	441	1 111	1 379	1 099	20	5	9	5	5	5
162	Heavy construction, except highway:												
1622	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
<b>17</b>	<b>Special trade contractors:</b>												
1711	Plumbing, heating, and air-conditioning -----	430	1 735	1 567	1 796	1 828	1 750	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	1 134	1 002	1 055	1 288	1 189	3	4	4	5	5	6
174	Masonry, stonework, tile setting, and plastering:												
1741	Masonry, stone setting, and other stonework -----	79	224	146	216	239	294	9	12	17	12	8	11
1742	Plastering, drywall, and insulation work -----	105	781	738	766	750	869	8	8	7	12	6	12
1743	Terrazzo, tile, marble, and mosaic work -----	8	17	(S)	14	(S)	16	13	6	(S)	(Z)	(S)	(Z)
175	Carpentry and floor work:												
1751	Carpentry -----	247	554	466	583	602	564	5	8	9	9	8	9
1752	Floor laying and other floor work --	48	149	128	156	157	156	18	12	13	10	11	11
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	Glass and glazing work -----	19	64	54	54	67	80	39	23	14	14	22	37
1794	Excavation work -----	170	493	399	550	572	450	13	13	16	12	13	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

<sup>1</sup>Construction workers during pay periods including 12th of March, May, August, and November.

**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]

SIC code	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				
					Payroll, all employees	Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted out to others	Value of construction work sub-contracted in from others	Rental cost for machinery, equipment, and buildings
<b>15, 16, 17</b>	<b>Construction industries -----</b>	<b>5.2</b>	<b>24.0</b>	<b>137.5</b>	<b>.233</b>	<b>.360</b>	<b>.228</b>	<b>.297</b>	<b>.018</b>
<b>15</b>	<b>Building construction—General contractors and operative builders:</b>								
152	General contractors, residential buildings:								
1521	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	General contractors, nonresidential buildings:								
1541	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
<b>16</b>	<b>Heavy construction other than building construction—contractors:</b>								
1611	Highway and street construction -----	18.3	32.1	154.1	.263	(D)	.137	.230	.053
162	Heavy construction, except highway:								
1622	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
<b>17</b>	<b>Special trade contractors:</b>								
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	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework -----	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	Carpentry and floor work:								
1751	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	Structural steel erection -----	8.7	23.3	81.7	.366	(D)	.063	.902	.022
1793	Glass and glazing work -----	5.3	23.9	134.9	.279	(D)	(D)	*.414	(S)
1794	Excavation work -----	3.6	20.6	102.0	.248	.342	.094	.339	.032
1795	Wrecking and demolition work -----	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**

[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 code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
	<b>BOSTON-WORCESTER-LAWRENCE, MA-NH-ME-CT CMSA</b>											
15,16,17	<b>Construction industries</b> .....	12 243	81 838	2 373 923	10 850 651	7 795 632	4 779 944	3 171 595	3 055 019	114 237	1	1
15	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	(S) 5 708	110 750	706 759	493 053	242 509	263 814	213 705	6 606	5	5	
1522	Other residential buildings .....	175 813	22 429	112 671	72 527	46 531	29 106	40 144	807	13	12	
1531	Operative builders .....	385	1 578	44 821	682 250	442 959	218 538	236 385	239 291	2 619	7	14
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	156 1 029	32 600	206 537	101 940	73 206	30 157	104 597	(S) 10	6		
1542	Nonresidential buildings, n.e.c. ....	661 7 636	251 621	2 297 588	792 724	406 931	422 836	1 504 864	8 797	3	2	
16	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction .....	186	2 376	76 098	351 410	283 480	167 496	119 003	67 930	9 828	4	3
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction .....	29	1 356	61 789	459 022	308 945	202 177	108 555	150 077	6 415	3	1
1623	Water, sewer, and utility lines .....	240	2 825	88 879	361 351	287 073	179 918	113 000	74 277	13 030	5	4
1629	Heavy construction, n.e.c. ....	265	5 716	231 386	916 111	708 579	507 539	208 904	207 533	11 223	1	1
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air-conditioning .....	1 823	11 509	353 357	1 207 486	1 033 712	613 810	435 086	173 774	10 922	2	2
1721	Painting and paper hanging .....	614	2 761	55 356	148 651	138 536	104 643	34 419	10 115	2 239	5	6
1731	Electrical work .....	1 468	10 685	339 496	1 016 518	969 186	600 178	382 086	47 332	8 411	2	2
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work .....	(S) 2 317	51 729	165 144	154 433	107 492	47 573	10 711	1 838	10	5	
1742	Plastering, drywall, and insulation work .....	429	3 271	89 477	287 958	256 401	164 927	94 202	31 557	2 020	9	9
1743	Terrazzo, tile, marble, and mosaic work .....	74	282	(S) 20 828	20 031	(S) 8 978	*797	(S) 17	12			
175	Carpentry and floor work:											
1751	Carpentry .....	924	3 085	67 890	287 397	237 944	132 041	108 826	49 453	(S) 6	6	
1752	Floor laying and other floor work .....	244	969	21 663	122 958	(D) 51 223	58 862	(D) 829	(S) 8	(D) 8		
1761	Roofing, siding, and sheet metal work .....	431	2 833	71 126	252 638	232 396	138 680	96 777	20 242	(S) 5	5	
1771	Concrete work .....	506	2 796	63 312	229 191	212 292	132 871	80 223	16 899	4 478	6	5
1781	Water well drilling .....	59	344	10 038	32 704	32 475	20 418	12 117	228	671	13	12
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	97	1 818	58 940	150 435	(D) 103 748	34 133	(D) 2 110	7	(D) 7		
1793	Glass and glazing work .....	98	527	12 828	41 966	41 197	26 199	18 892	(S) *174	10	12	
1794	Excavation work .....	417	2 138	55 937	206 929	181 644	135 178	55 880	25 285	5 767	9	8
1795	Wrecking and demolition work .....	(S) 342	8 672	33 380	29 628	25 313	4 978	3 752	537	2	2	
1796	Installing building equipment, n.e.c. ....	104	2 698	74 030	219 189	212 956	159 611	54 929	6 233	1 411	1	1
1799	Special trade contractors, n.e.c. ....	502	4 428	111 827	333 580	308 834	206 493	111 877	24 745	8 170	5	5
	<b>Boston, MA-NH PMSA</b>											
15,16,17	<b>Construction industries</b> .....	6 890	49 004	1 486 300	7 345 622	5 037 835	3 091 565	2 036 809	2 307 788	63 841	1	1
15	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	(S) 3 300	68 901	446 379	300 398	146 791	162 628	145 980	3 439	7	7	
1522	Other residential buildings .....	108 576	17 037	91 317	56 843	34 837	24 428	34 474	(D) 15	12		
1531	Operative builders .....	221	861	24 309	415 801	250 657	125 846	130 415	*165 143	1 510	11	24
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	57 482	(D) 151 294	66 669	49 476	17 696	84 625	(S) 14	7			
1542	Nonresidential buildings, n.e.c. ....	427 5 608	188 819	1 816 995	622 029	302 192	337 134	1 194 965	5 478	4	3	
16	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction .....	113	1 150	38 991	163 678	131 639	85 092	47 667	32 039	4 683	6	5
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction .....	20	1 272	58 855	446 559	(D) 194 891	105 912	(D) 6 201	3	(D) 3		
1623	Water, sewer, and utility lines .....	135	1 610	55 071	229 030	175 225	104 244	74 843	53 805	5 833	6	5
1629	Heavy construction, n.e.c. ....	139	2 531	96 601	602 815	439 445	337 881	106 030	163 370	6 046	3	2

**NH-14 NEW HAMPSHIRE**

**CONSTRUCTION—GEOGRAPHIC AREA SERIES**

**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 code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added‡	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
	<b>BOSTON—WORCESTER—LAWRENCE, MA—NH—ME—CT CMSA—Con.</b>											
	<b>Boston, MA—NH PMSA—Con.</b>											
<b>15,16,17</b>	<b>Construction industries—Con.</b>											
	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air-conditioning .....	1 097	7 427	246 148	829 498	706 013	421 599	295 600	123 486	6 448	3	2
1721	Painting and paper hanging .....	348	1 991	42 231	110 551	103 511	79 234	24 457	7 040	1 576	6	7
1731	Electrical work .....	858	6 808	228 362	699 973	664 540	413 695	262 297	35 433	6 639	3	2
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work .....	(S)	1 735	39 407	124 325	117 102	82 266	35 431	7 223	1 325	14	6
1742	Plastering, drywall, and insulation work .....	200	1 494	42 452	120 064	114 562	81 324	33 691	5 502	(S)	18	18
1743	Terrazzo, tile, marble, and mosaic work .....	47	(S)	(S)	16 654	15 935	(D)	6 758	*719	(D)	(S)	12
175	Carpentry and floor work:											
1751	Carpentry .....	505	1 907	42 807	173 543	145 637	77 855	69 287	27 906	(S)	9	7
1752	Floor laying and other floor work .....	(S)	588	13 525	80 814	(D)	32 349	38 454	(D)	329	9	(D)
1761	Roofing, siding, and sheet metal work .....	235	1 420	40 173	144 553	130 610	78 548	52 888	13 944	(S)	8	8
1771	Concrete work .....	242	1 528	37 792	(D)	(D)	73 824	39 999	(D)	1 391	9	(D)
1781	Water well drilling .....	22	62	1 539	(D)	(D)	3 939	2 470	(S)	(S)	14	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	34	520	(D)	(D)	(D)	(D)	23 075	(D)	1 549	21	(D)
1793	Glass and glazing work .....	50	313	7 179	23 131	22 535	(D)	9 010	(S)	(D)	11	11
1794	Excavation work .....	215	1 219	32 813	120 403	104 691	77 081	34 606	15 712	3 542	14	12
1795	Wrecking and demolition work .....	18	145	3 977	(D)	(D)	(D)	908	(D)	(D)	4	(D)
1796	Installing building equipment, n.e.c. .....	76	2 197	62 831	186 000	(D)	136 850	47 176	(D)	505	1	(D)
1799	Special trade contractors, n.e.c. ....	285	2 057	(D)	152 174	(D)	89 054	53 950	(D)	2 525	8	(D)
	<b>Brockton, MA PMSA</b>											
<b>15,16,17</b>	<b>Construction industries .....</b>	<b>545</b>	<b>3 110</b>	<b>82 089</b>	<b>306 915</b>	<b>253 477</b>	<b>165 924</b>	<b>94 379</b>	<b>53 437</b>	<b>3 003</b>	<b>4</b>	<b>3</b>
	(See appropriate State for SIC detail.)											
	<b>Fitchburg—Leominster, MA PMSA</b>											
<b>15,16,17</b>	<b>Construction industries .....</b>	<b>269</b>	<b>1 302</b>	<b>32 635</b>	<b>128 736</b>	<b>104 319</b>	<b>61 979</b>	<b>46 007</b>	<b>24 417</b>	<b>1 269</b>	<b>10</b>	<b>9</b>
	(See appropriate State for SIC detail.)											
	<b>Lawrence, MA—NH PMSA</b>											
<b>15,16,17</b>	<b>Construction industries .....</b>	<b>817</b>	<b>5 082</b>	<b>124 320</b>	<b>496 532</b>	<b>402 893</b>	<b>259 128</b>	<b>152 254</b>	<b>93 639</b>	<b>14 205</b>	<b>2</b>	<b>2</b>
<b>15</b>	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	(S)	(S)	6 079	48 303	34 584	17 814	17 537	13 719	1 116	(S)	13
1522	Other residential buildings .....	*7	*19	442	(D)	(D)	(D)	448	(D)	(D)	47	(D)
1531	Operative builders .....	23	110	3 757	39 156	30 742	19 658	11 819	8 414	190	7	7
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	20	101	1 867	10 948	5 743	4 372	1 448	5 205	(D)	30	16
1542	Nonresidential buildings, n.e.c. ....	(S)	311	8 405	50 208	24 485	13 487	11 543	25 724	392	10	11
<b>16</b>	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction .....	10	80	2 771	12 624	11 404	5 346	(D)	1 220	214	8	5
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction .....	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines .....	20	309	8 912	34 174	29 710	19 713	10 212	4 464	3 807	8	10
1629	Heavy construction, n.e.c. ....	19	323	9 008	31 617	22 158	11 784	11 486	9 459	1 015	2	1

CONSTRUCTION—GEOGRAPHIC AREA SERIES

NEW HAMPSHIRE NH—15

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 code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added‡†	Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted out to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
	<b>BOSTON-WORCESTER-LAWRENCE, MA-NH-ME-CT CMSA—Con.</b>											
	<b>Lawrence, MA-NH PMSA—Con.</b>											
<b>15,16,17</b>	<b>Construction industries—Con.</b>											
	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air-conditioning-----	105	532	14 311	44 270	40 775	26 349	14 683	3 494	746	7	7
1721	Painting and paper hanging-----	36	69	1 109	5 292	(D)	2 829	1 359	(D)	161	5	(D)
1731	Electrical work-----	86	347	8 525	27 756	26 542	15 926	11 099	*1 214	182	14	14
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work-----	(S)	120	2 148	6 578	6 227	4 493	1 734	351	(S)	17	7
1742	Plastering, drywall, and insulation work-----	24	197	4 965	15 163	14 254	10 026	4 233	909	68	12	15
1743	Terrazzo, tile, marble, and mosaic work-----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	(D)	(D)
175	Carpentry and floor work:											
1751	Carpentry-----	48	183	3 668	15 010	(D)	6 059	4 943	(D)	149	17	(D)
1752	Floor laying and other floor work---	10	70	1 572	6 865	(D)	2 766	3 707	(D)	76	15	(D)
1761	Roofing, siding, and sheet metal work-----	25	175	2 915	11 383	10 758	5 877	4 881	625	269	7	6
1771	Concrete work-----	26	(D)	4 333	13 495	11 729	6 478	5 325	1 766	343	(D)	6
1781	Water well drilling-----	7	37	1 058	3 335	3 323	2 170	1 212	*12	(D)	28	29
179	Miscellaneous special trade contractors:											
1791	Structural steel erection-----	*9	(D)	(S)	(D)	(D)	(S)	(S)	(D)	(D)	(D)	(D)
1793	Glass and glazing work-----	*13	*46	*1 354	(D)	(D)	(S)	(S)	(D)	(D)	66	(D)
1794	Excavation work-----	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1795	Wrecking and demolition work-----	(S)	(S)	(S)	(S)	(D)	(S)	(S)	(D)	(D)	(S)	(D)
1796	Installing building equipment, n.e.c.---	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1799	Special trade contractors, n.e.c.---	47	1 017	25 164	69 803	63 989	51 652	14 901	5 814	4 639	5	5
	<b>Lowell, MA-NH PMSA</b>											
<b>15,16,17</b>	<b>Construction industries-----</b>	<b>711</b>	<b>4 158</b>	<b>107 067</b>	<b>528 670</b>	<b>419 261</b>	<b>238 826</b>	<b>188 724</b>	<b>109 408</b>	<b>9 495</b>	<b>3</b>	<b>4</b>
<b>15</b>	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses-----	96	309	5 515	36 626	26 767	10 710	(S)	(S)	(S)	16	21
1522	Other residential buildings-----	*5	(S)	*759	(S)	(S)	(S)	(S)	(S)	—	(S)	(S)
1531	Operative builders-----	33	207	6 136	93 229	66 412	34 617	35 840	26 817	*482	20	16
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses-----	(S)	(S)	(S)	(S)	(D)	(S)	(S)	(D)	(S)	(S)	(D)
1542	Nonresidential buildings, n.e.c.---	35	212	4 483	31 329	15 843	8 568	7 340	15 486	*2	29	18
<b>16</b>	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction---	8	(S)	11 231	(D)	(D)	25 147	(D)	(D)	(S)	(S)	(D)
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	(S)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines-----	12	110	3 204	9 669	9 082	6 905	2 207	587	(D)	17	15
1629	Heavy construction, n.e.c.---	(S)	(S)	(S)	(S)	(D)	(S)	(S)	(D)	(D)	(S)	(D)
<b>17</b>	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air-conditioning-----	114	477	12 485	58 368	47 336	28 430	18 941	*11 032	469	15	14
1721	Painting and paper hanging-----	46	151	(S)	(S)	(S)	(D)	1 671	(S)	229	20	(S)
1731	Electrical work-----	101	827	22 284	65 275	64 568	36 458	28 112	707	318	10	8
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work-----	18	69	(S)	3 791	3 661	2 446	1 215	*129	(D)	21	21
1742	Plastering, drywall, and insulation work-----	28	183	6 169	21 152	(D)	10 722	7 217	(D)	*100	16	(D)
1743	Terrazzo, tile, marble, and mosaic work-----	—	—	—	—	—	—	—	—	—	—	—
175	Carpentry and floor work:											
1751	Carpentry-----	55	94	1 422	5 997	4 764	2 830	2 024	*1 232	(D)	24	21
1752	Floor laying and other floor work---	9	41	975	4 677	4 429	1 345	3 084	248	71	20	10
1761	Roofing, siding, and sheet metal work-----	(S)	259	8 177	20 196	19 198	13 995	(S)	998	173	17	14

NH-16 NEW HAMPSHIRE

CONSTRUCTION—GEOGRAPHIC AREA SERIES

**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 code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added‡	Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted out to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
	<b>BOSTON—WORCESTER—LAWRENCE, MA—NH—ME—CT CMSA—Con.</b>											
	<b>Lowell, MA—NH PMSA—Con.</b>											
<b>15,16,17</b>	<b>Construction industries—Con.</b>											
<b>17</b>	<b>Special trade contractors—Con.</b>											
1771	Concrete work -----	29	260	5 086	35 071	(D)	17 543	13 125	(D)	1 769	13	(D)
1781	Water well drilling -----	4	43	(D)	(D)	(D)	2 843	1 387	(D)	(D)	24	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	*4	*14	*129	*456	*360	*335	(D)	(S)	(D)	73	48
1793	Glass and glazing work -----	6	14	206	996	(D)	527	734	(D)	(D)	(Z)	(D)
1794	Excavation work -----	18	58	1 447	5 457	(D)	3 487	1 119	(D)	(D)	26	(D)
1795	Wrecking and demolition work -----	3	(D)	361	(D)	(D)	(D)	554	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. -	4	61	2 072	6 865	(D)	3 835	(D)	(D)	(Z)	(D)	(D)
1799	Special trade contractors, n.e.c.-----	(S)	252	5 289	20 710	18 986	11 812	7 333	*1 724	414	8	13
	<b>Manchester, NH PMSA</b>											
<b>15,16,17</b>	<b>Construction industries -----</b>	<b>504</b>	<b>3 407</b>	<b>87 906</b>	<b>396 764</b>	<b>286 943</b>	<b>157 297</b>	<b>137 693</b>	<b>109 821</b>	<b>4 018</b>	<b>5</b>	<b>5</b>
<b>15</b>	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses -----	85	221	2 645	(S)	(S)	(S)	(S)	(S)	(D)	27	(S)
1522	Other residential buildings -----	*11	*34	(S)	*2 173	*2 129	(S)	*506	(S)	*165	64	74
1531	Operative builders -----	*19	83	2 081	24 765	18 641	*6 680	12 037	*6 124	(D)	29	28
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses -----	5	48	1 389	5 571	3 619	3 690	*616	1 952	*13	17	35
1542	Nonresidential buildings, n.e.c.-----	32	359	14 002	99 097	34 201	22 978	16 125	64 897	584	12	7
<b>16</b>	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction ----	*7	191	(D)	(D)	(D)	8 731	(D)	(D)	441	19	(D)
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	—	—	—	—	—	—	—	—	—	—	—
1623	Water, sewer, and utility lines -----	*6	87	1 941	(D)	(D)	3 755	2 532	(D)	(S)	23	(D)
1629	Heavy construction, n.e.c. -----	(S)	(S)	(D)	(S)	(S)	(D)	(S)	(S)	(S)	(S)	(S)
<b>17</b>	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air-conditioning -----	79	739	20 396	84 590	66 575	30 110	36 788	18 016	723	11	10
1721	Painting and paper hanging-----	48	167	2 708	7 818	7 032	5 125	1 916	*786	—	34	34
1731	Electrical work -----	(S)	(S)	(S)	(S)	(S)	(S)	(S)	*974	(S)	(S)	(S)
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work-----	*9	13	127	(D)	(D)	(S)	*388	(D)	(S)	35	(D)
1742	Plastering, drywall, and insulation work -----	(S)	185	4 463	18 247	(D)	6 236	7 595	(D)	(D)	34	(D)
1743	Terrazzo, tile, marble, and mosaic work -----	(S)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
175	Carpentry and floor work:											
1751	Carpentry -----	21	75	2 000	*10 893	(D)	4 237	*4 194	(D)	(D)	23	(D)
1752	Floor laying and other floor work ---	7	52	1 244	9 758	8 813	3 922	4 911	945	(D)	15	6
1761	Roofing, siding, and sheet metal work -----	*25	150	3 207	11 349	11 256	6 959	4 542	*93	(D)	26	24
1771	Concrete work -----	23	*68	*1 618	*7 130	*6 904	*5 320	*1 584	226	*117	41	65
1781	Water well drilling -----	(S)	(S)	(D)	(S)	(S)	(S)	(D)	—	—	(S)	(S)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	12	111	2 086	4 453	4 279	3 076	1 204	174	(D)	32	30
1793	Glass and glazing work -----	(S)	(D)	(D)	(D)	(D)	(D)	(D)	—	(D)	(D)	(D)
1794	Excavation work -----	*22	82	2 005	6 772	6 098	5 347	1 587	674	(D)	22	39
1795	Wrecking and demolition work -----	—	—	—	—	—	—	—	—	—	—	—
1796	Installing building equipment, n.e.c. -	5	(D)	892	(D)	(D)	(D)	312	148	(D)	(D)	(D)
1799	Special trade contractors, n.e.c.-----	(S)	147	3 907	10 886	10 606	7 008	3 630	280	(D)	31	27

CONSTRUCTION—GEOGRAPHIC AREA SERIES

NEW HAMPSHIRE NH—17

**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 code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added‡†	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
<b>BOSTON-WORCESTER-LAWRENCE, MA-NH-ME-CT CMSA—Con.</b>												
<b>Nashua, NH PMSA</b>												
15,16,17	<b>Construction industries .....</b>	<b>359</b>	<b>2 564</b>	<b>69 678</b>	<b>304 805</b>	<b>209 941</b>	<b>135 141</b>	<b>90 245</b>	<b>94 864</b>	<b>2 972</b>	<b>3</b>	<b>3</b>
15	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1522	Other residential buildings .....	*3	(S)	(S)	*6 950	*4 106	*3 975	(D)	*2 845	*65	(S)	53
1531	Operative builders .....	(S)	(S)	3 046	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	(S)	(S)	*348	*1 381	*1 052	*608	*496	*329	—	(S)	56
1542	Nonresidential buildings, n.e.c. ....	12	375	11 915	82 554	20 018	19 212	12 499	62 536	1 059	(Z)	(Z)
16	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction .....	(S)	(D)	(D)	(D)	(D)	(D)	(S)	(D)	(D)	(D)	(D)
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction .....	—	—	—	—	—	—	—	—	—	—	—
1623	Water, sewer, and utility lines .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1629	Heavy construction, n.e.c. ....	*11	65	1 528	4 636	4 390	3 270	1 473	(S)	(S)	20	30
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air-conditioning .....	(S)	285	8 667	22 773	21 445	13 430	9 167	1 328	248	13	11
1721	Painting and paper hanging .....	16	44	583	2 905	2 739	2 123	616	166	53	(Z)	(Z)
1731	Electrical work .....	35	246	7 058	19 632	19 454	11 329	8 737	*177	*337	15	10
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work .....	(S)	14	230	777	(D)	481	287	(D)	(D)	(Z)	(D)
1742	Plastering, drywall, and insulation work .....	35	513	14 683	51 317	44 498	24 870	19 675	6 819	161	7	7
1743	Terrazzo, tile, marble, and mosaic work .....	—	—	—	—	—	—	—	—	—	—	—
175	Carpentry and floor work:											
1751	Carpentry .....	27	78	1 390	8 065	7 092	4 264	(S)	973	47	17	24
1752	Floor laying and other floor work .....	(S)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1761	Roofing, siding, and sheet metal work .....	(S)	(S)	(S)	(S)	(D)	(S)	1 612	(D)	(D)	(S)	(D)
1771	Concrete work .....	17	114	2 948	7 354	6 945	5 625	1 320	409	(D)	19	16
1781	Water well drilling .....	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	—	—	—	—	—	—	—	—	—	—	—
1793	Glass and glazing work .....	3	19	460	(D)	(D)	849	718	(D)	—	(Z)	(D)
1794	Excavation work .....	9	(D)	(D)	(D)	(D)	1 248	465	(D)	(D)	(D)	(D)
1795	Wrecking and demolition work .....	(S)	(S)	(S)	(D)	(D)	(S)	(S)	(D)	—	(S)	(D)
1796	Installing building equipment, n.e.c. ....	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1799	Special trade contractors, n.e.c. ....	19	113	2 778	7 350	6 642	4 592	2 050	*708	—	28	25
<b>New Bedford, MA PMSA</b>												
15,16,17	<b>Construction industries .....</b>	<b>322</b>	<b>1 346</b>	<b>29 494</b>	<b>120 156</b>	<b>103 574</b>	<b>65 071</b>	<b>39 438</b>	<b>16 582</b>	<b>2 690</b>	<b>9</b>	<b>7</b>

(See appropriate State for SIC detail.)



**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 code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added‡†	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
	<b>BOSTON-WORCESTER-LAWRENCE, MA-NH-ME-CT CMSA—Con.</b>											
	<b>Portsmouth-Rochester, NH-ME PMSA</b>											
15,16,17	Construction industries .....	714	2 907	64 307	262 556	224 525	132 790	96 814	38 030	4 418	7	7
15	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	(S)	538	8 472	45 437	35 262	17 551	18 087	10 175	680	21	20
1522	Other residential buildings .....	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	(D)	(D)
1531	Operative builders .....	*20	47	1 136	*15 200	*10 391	*2 394	*7 997	*4 809	(D)	38	55
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	*13	*87	1 929	*9 286	*6 631	*3 829	*2 802	2 655	54	53	47
1542	Nonresidential buildings, n.e.c. ....	(S)	34	1 141	6 885	2 271	1 445	(S)	(S)	(D)	28	34
16	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction .....	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction .....	(S)	(D)	(D)	(D)	(D)	(D)	(D)	—	—	(D)	(D)
1623	Water, sewer, and utility lines .....	*12	(S)	(S)	(S)	(D)	(S)	(S)	(D)	(D)	(S)	(D)
1629	Heavy construction, n.e.c. ....	*16	98	2 092	11 821	(D)	5 541	3 904	(D)	*759	32	(D)
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air-conditioning .....	(S)	540	14 696	44 988	41 963	27 053	14 987	3 026	(S)	12	11
1721	Painting and paper hanging .....	21	97	(S)	2 560	2 354	2 074	590	*206	(S)	31	35
1731	Electrical work .....	76	255	7 383	24 665	24 489	14 432	10 131	177	(D)	21	24
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work .....	(S)	*39	*588	(D)	*1 976	*1 204	*777	(D)	(D)	59	46
1742	Plastering, drywall, and insulation work .....	*12	30	623	2 595	(D)	1 353	1 210	(D)	(D)	25	(D)
1743	Terrazzo, tile, marble, and mosaic work .....	3	(D)	(S)	*265	*258	*159	*102	*6	(D)	(D)	45
175	Carpentry and floor work:											
1751	Carpentry .....	53	113	1 853	7 771	6 528	4 019	2 511	*1 243	(S)	29	26
1752	Floor laying and other floor work .....	*26	55	*1 174	*4 941	*4 631	*2 259	*2 378	310	(D)	37	44
1761	Roofing, siding, and sheet metal work .....	*33	167	2 665	12 495	11 792	7 679	*4 196	703	(D)	29	35
1771	Concrete work .....	47	191	3 281	13 733	13 551	6 591	7 058	*183	*405	36	34
1781	Water well drilling .....	*5	*36	*921	*3 133	*3 133	*1 992	*1 141	—	*62	65	57
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	*14	*60	*1 121	*3 865	(D)	*2 412	*1 333	(D)	(S)	53	(D)
1793	Glass and glazing work .....	(S)	(D)	(D)	(D)	(D)	(D)	(D)	—	—	(D)	(D)
1794	Excavation work .....	42	*145	*2 644	*8 062	*7 605	*5 009	*3 508	*458	(D)	42	44
1795	Wrecking and demolition work .....	1	(D)	(D)	(D)	(D)	(D)	(D)	—	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. ....	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	(D)	(D)
1799	Special trade contractors, n.e.c. ....	(S)	116	*4 338	*13 453	*12 286	*7 427	*5 334	*1 167	45	35	49
	<b>Worcester, MA-CT PMSA</b>											
15,16,17	Construction industries .....	1 112	8 958	290 127	959 896	752 864	472 223	289 233	207 032	8 326	3	3
	(See appropriate State for SIC detail.)											

# Contents

## Rhode Island

[Page numbers listed here omit the prefix that appears as part of the number of each page]

	Page
Summary of Findings .....	2

### FIGURES

1. Value of Construction Work by Type of Construction .....	3
2. Selected Costs per Dollar Value of Business Done .....	3

### TABLES

#### Statistics for Establishments With and Without Payroll

1. Summary Statistics by Industry: 1992 and 1987 .....	5
--	---

#### Statistics for Establishments With Payroll

2. General Statistics by Industry: 1992 and 1987 .....	6
3. Detailed Statistics: 1992 and Earlier Census Years .....	8
4. Assets, Capital Expenditures, and Depreciation: 1992 and 1987 .....	9
5. Value of Inventories: 1992 and 1991 .....	9
6. Selected Statistics by Employment Size Class: 1992 and 1987 .....	10
7. Selected Statistics by Size Class of Dollar Value of Business Done: 1992 and 1987 .....	10
8. Value of Construction Work by Type of Construction: 1992 and 1987 .....	11
9. Quarterly Construction Worker Employment by Industry: 1992 .....	12
10. Selected Industry Ratios in This State: 1992 .....	13
11. Selected Statistics for Selected Metropolitan Areas: 1992 .....	14

## 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*.<sup>1</sup> 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,

<sup>1</sup>*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.

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)

1992   
1987 

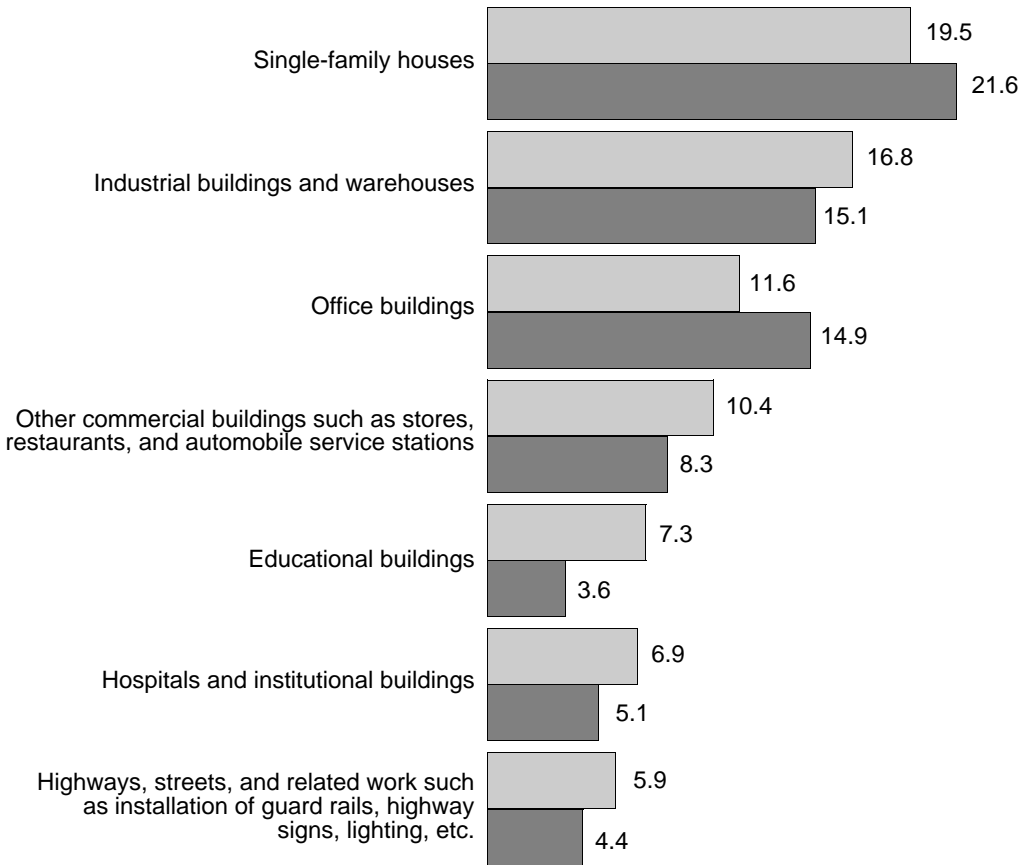


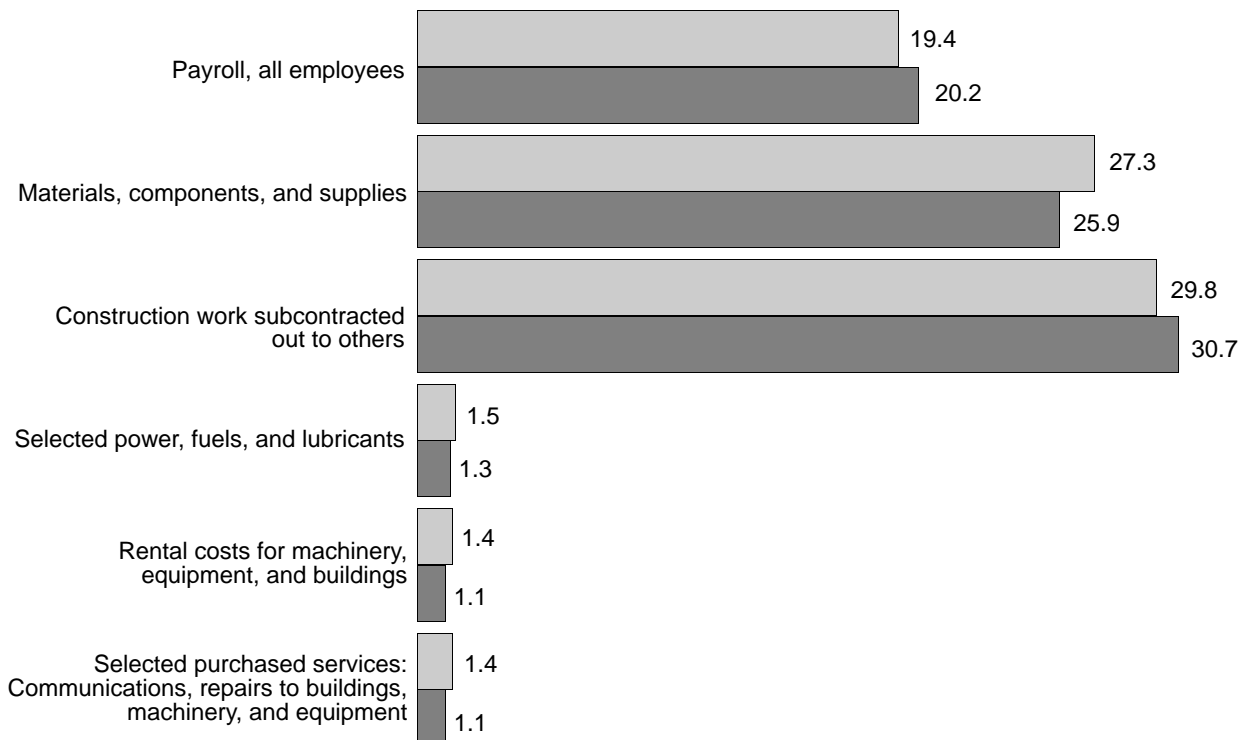


Figure 2. **Selected Costs per Dollar Value of Business Done**  
(Percent)

1992   
1987 



**Table 1. Summary Statistics for Establishments With and Without 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]

SIC code	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 partners	Dollar value of business done <sup>1</sup>	Number	Proprietors and working partners	All employees**	Dollar value of business done			
		A	B	C	D	E	F	G	H	I	J	K			J
<b>1992</b>															
15, 16, 17	Construction industries -----	8 767	6 177	13 981	2 045 908	5 901	5 510	195 953	2 866	667	13 981	1 849 955	(Z)	(Z)	
15	Building construction—General contractors and operative builders ----	1 822	936	4 060	997 605	988	780	76 508	834	156	4 060	921 097	3	2	
16	Heavy construction other than building construction—contractors -----	170	62	1 705	234 644	57	44	3 230	113	(S)	1 705	231 414	3	5	
17	Special trade contractors -----	6 775	5 179	8 217	813 659	4 856	4 686	116 215	1 919	493	8 217	697 444	2	2	
1711	Plumbing, heating, and air-conditioning --	710	412	1 603	181 993	382	346	13 631	328	66	1 603	168 362	4	5	
1731	Electrical work -----	695	421	1 364	124 743	365	337	8 150	330	84	1 364	116 593	4	3	
<b>1987</b>															
15, 16, 17	Construction industries <sup>2</sup> -----	9 269	6 403	20 328	2 693 125	6 094	5 895	365 595	3 175	508	20 328	2 327 530	2	2	
15	Building construction—General contractors and operative builders ----	2 157	1 179	6 331	1 290 523	1 216	1 050	125 482	941	129	6 331	1 165 041	3	3	
16	Heavy construction other than building construction—contractors -----	174	46	1 913	227 004	48	44	2 477	126	2	1 913	224 527	7	4	
17	Special trade contractors -----	6 695	4 986	11 854	1 054 018	4 631	4 610	140 405	2 064	376	11 854	913 613	2	3	
1711	Plumbing, heating, and air-conditioning --	654	405	1 885	192 737	345	341	15 924	309	64	1 885	176 813	5	6	
1731	Electrical work -----	605	392	1 883	150 402	318	310	9 489	287	82	1 883	140 913	5	3	

<sup>1</sup>For 1992, nonemployer records showing revenues greater than \$1 million were excluded. See Introduction text.

<sup>2</sup>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]

SIC code	Industry	1992							
		Number of establishments	Employees**		Payroll		Value of construction work	Net value of construction work†	Value added††
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
<b>15, 16, 17</b>	<b>Construction industries¹</b> .....	<b>2 866</b>	<b>13 981</b>	<b>10 587</b>	<b>359 207</b>	<b>255 114</b>	<b>1 808 866</b>	<b>1 258 332</b>	<b>766 729</b>
<b>15</b>	<b>Building construction—General contractors and operative builders:</b>								
152	General contractors, residential buildings:								
1521	Single-family houses.....	545	1 380	1 024	25 384	17 000	131 643	97 821	53 838
1522	Other residential buildings.....	49	135	100	2 654	1 711	18 650	10 964	7 931
1531	Operative builders.....	78	182	118	4 082	2 649	39 879	27 335	12 769
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses.....	27	397	290	15 760	10 896	(D)	70 119	22 762
1542	Nonresidential buildings, n.e.c.....	135	1 967	1 330	51 098	29 382	461 519	243 186	153 531
<b>16</b>	<b>Heavy construction other than building construction—contractors:</b>								
1611	Highway and street construction.....	29	826	644	27 075	20 213	104 286	86 445	58 181
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction.....	4	137	106	(D)	4 371	24 169	18 043	(D)
1623	Water, sewer, and utility lines.....	24	426	340	12 786	10 241	52 138	45 177	31 849
1629	Heavy construction, n.e.c.....	56	316	238	8 121	6 155	(D)	30 325	(D)
<b>17</b>	<b>Special trade contractors:</b>								
1711	Plumbing, heating, and air-conditioning.....	328	1 603	1 151	46 309	33 235	167 687	149 698	87 159
1721	Painting and paper hanging.....	186	546	449	9 342	7 173	26 041	23 583	18 162
1731	Electrical work.....	330	1 364	997	38 153	26 768	114 924	112 062	63 961
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework.....	102	(D)	(S)	(S)	(S)	(D)	(D)	(S)
1742	Plastering, drywall, and insulation work.....	104	609	513	14 971	11 896	43 086	40 424	28 090
1743	Terrazzo, tile, marble, and mosaic work.....	40	87	72	1 494	1 249	6 626	6 341	3 552
175	Carpentry and floor work:								
1751	Carpentry.....	255	640	550	12 041	10 320	47 435	41 709	24 171
1752	Floor laying and other floor work.....	43	118	96	2 940	2 508	13 859	13 002	7 922
1761	Roofing, siding, and sheet metal work.....	113	703	537	14 501	10 268	48 614	46 422	29 436
1771	Concrete work.....	106	434	346	9 590	7 529	31 613	27 421	15 911
1781	Water well drilling.....	14	50	33	1 228	886	5 205	5 180	3 538
179	Miscellaneous special trade contractors:								
1791	Structural steel erection.....	15	212	164	9 811	7 548	29 926	(D)	18 939
1793	Glass and glazing work.....	23	135	95	5 693	2 711	29 904	(D)	(D)
1794	Excavation work.....	99	310	236	6 285	4 728	23 662	22 079	16 201
1795	Wrecking and demolition work.....	12	(D)	98	(D)	1 769	(D)	(D)	4 329
1796	Installing building equipment, n.e.c.....	14	120	87	4 075	2 730	9 085	9 005	7 834
1799	Special trade contractors, n.e.c.....	135	555	436	12 746	9 151	46 248	43 588	27 110

¹For 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—			SIC code
Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted out to others	Value of construction work sub-contracted in from others	Rental cost of machinery, equipment, and buildings	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Value of construction work	Value added††				
I	J	K	L	M	N	O	P	Q	B	G	M	
532 692	550 534	421 959	26 508	20 166	231 347	20 328	2 271 298	952 879	(Z)	2	12	15, 16, 17
44 831	33 823	8 690	(S)	(S)	(S)	2 249	183 421	69 702	7	9	(S)	152
4 144	*7 686	2 611	*360	*335	2 237	352	84 692	18 048	30	26	50	1522
15 579	12 545	*173	81	103	3 612	860	153 474	34 451	17	16	34	1531
(D)	(D)	16 827	2 347	(D)	7 995	950	269 141	41 493	5	1	(D)	154
97 470	218 332	17 270	2 629	1 271	9 994	1 920	448 428	96 451	3	4	24	1542
(D)	17 840	13 746	4 905	3 506	68 874	764	102 715	66 265	6	3	11	1611
(D)	6 126	4 809	1 143	652	4 307	87	16 094	7 264	(Z)	(Z)	(Z)	162
13 424	6 961	7 290	1 197	939	13 450	686	62 913	36 510	6	23	32	1622
(D)	(D)	(D)	2 971	*2 897	*9 582	376	39 435	22 710	10	10	74	1623
63 214	17 989	66 037	1 917	(S)	12 731	1 885	172 903	83 344	4	5	(S)	1629
5 430	2 459	10 406	303	*437	3 198	877	38 086	29 191	9	7	44	1711
49 769	2 862	49 926	927	1 727	12 359	1 883	138 815	87 134	4	3	35	1721
(D)	(S)	(S)	(S)	324	3 775	1 068	79 431	52 490	(D)	(D)	33	174
12 346	2 662	34 169	290	325	3 654	1 196	90 488	59 429	11	7	7	1741
2 891	(S)	2 645	32	15	615	106	8 102	4 789	19	17	(Z)	1742
18 328	5 726	20 613	566	700	5 922	1 093	81 351	44 877	12	9	17	1743
5 199	857	7 038	134	*63	513	140	16 202	9 064	4	2	58	1751
16 985	2 192	24 342	678	500	8 559	947	58 734	32 773	9	8	37	1752
(D)	4 191	15 231	1 131	1 083	13 156	716	49 511	34 543	7	6	5	1761
1 642	25	1 375	17	185	3 651	76	7 709	5 074	4	6	12	1771
(D)	(D)	(D)	(D)	(D)	3 181	162	19 833	18 505	9	(D)	(D)	1791
11 519	(D)	24 834	280	108	2 104	207	14 657	8 136	9	(D)	36	1793
6 642	1 583	9 747	642	*1 096	17 976	470	40 253	31 671	8	10	45	1794
(D)	309	(D)	(D)	133	2 007	87	8 546	7 560	(D)	(D)	9	1795
1 208	80	1 432	63	40	721	114	13 140	8 748	2	1	(Z)	1796
16 981	2 660	16 055	685	391	6 075	827	57 342	33 461	14	13	24	1799

CONSTRUCTION—GEOGRAPHIC AREA SERIES

RHODE ISLAND RI-7

**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 .....	2 866	3 175	2 315	2 463	1	1	4	5
Proprietors and working partners.....	667	508	506	865	6	11	9	11
All employees** .....	13 981	20 328	14 686	14 587	(Z)	2	2	2
Construction workers:								
March.....	9 007	13 578	9 475	9 227	2	2	3	3
May.....	10 697	15 855	11 681	13 415	2	2	3	3
August.....	11 926	17 631	11 848	13 491	2	2	3	3
November.....	10 717	16 225	11 532	12 443	2	2	3	3
Average.....	10 587	15 822	11 366	12 154	1	2	2	3
Other employees:								
March.....	3 417	4 329	3 263	2 334	2	3	3	4
May.....	3 388	4 467	(NA)	(NA)	2	3	(NA)	(NA)
August.....	3 339	4 537	(NA)	(NA)	2	3	(NA)	(NA)
November.....	3 434	4 688	(NA)	(NA)	2	3	(NA)	(NA)
Average.....	3 394	4 505	(NA)	(NA)	2	3	(NA)	(NA)
Payroll, all employees .....	359 207	469 283	247 027	170 715	1	1	2	2
Payroll, construction workers .....	255 114	336 540	176 814	130 162	1	1	2	2
Payroll, other employees .....	104 093	132 743	70 213	40 553	2	2	1	2
First-quarter payroll, all employees .....	75 811	95 226	51 658	31 266	2	2	2	2
Fringe benefits, all employees .....	102 195	112 206	49 740	35 456	2	2	2	1
Legally required expenditures.....	66 439	75 272	35 404	19 540	2	2	2	2
Voluntary expenditures.....	35 756	36 934	14 336	15 916	3	2	2	1
Dollar value of business done .....	1 849 955	2 327 530	1 309 141	749 175	(Z)	2	1	2
Value of construction work .....	1 808 866	2 271 298	1 289 115	731 923	1	2	1	2
Value of construction work subcontracted in from others .....	421 959	453 958	235 353	149 059	3	5	3	3
Other business receipts .....	41 089	28 202	(D)	17 252	4	4	(D)	3
Net value of construction† .....	1 258 332	1 557 753	733 482	516 015	2	2	2	2
Value added†† .....	766 729	952 879	471 711	322 994	2	2	2	2
Selected costs .....	1 083 226	1 346 621	832 246	422 440	2	2	1	2
Materials, components, and supplies .....	504 458	603 065	258 289	194 141	2	3	2	2
Construction work subcontracted out to others .....	550 534	713 545	555 633	215 908	2	2	1	2
Selected power, fuels, and lubricants.....	28 233	30 010	18 324	12 392	2	3	4	3
Electricity.....	4 915	3 952	2 442	2 059	4	8	4	4
Natural gas.....	2 216	1 249	1 109	858	2	11	4	6
Gasoline and diesel fuel .....	19 194	22 895	13 522	7 834	3	2	4	3
On highway use.....	14 836	18 926	(NA)	(NA)	3	3	(NA)	(NA)
Off highway use.....	4 357	3 969	(NA)	(NA)	6	6	(NA)	(NA)
Other, including lubricating oils and greases.....	1 909	1 912	1 249	1 640	6	8	11	9
Rental cost for machinery, equipment, and buildings .....	26 508	26 281	16 758	9 202	2	4	3	3
For machinery and equipment .....	16 843	17 951	14 174	7 716	3	5	4	3
For buildings.....	9 664	8 329	2 583	1 486	4	4	5	6
Selected purchased services .....	25 738	26 030	13 224	10 993	3	3	3	3
Communication services .....	10 228	8 764	5 142	3 713	4	4	4	4
Repairs to buildings and other structures .....	1 160	1 679	665	761	7	9	10	12
Repairs to machinery and equipment .....	14 351	15 586	7 416	6 519	3	4	6	4
Ownership of construction projects:								
Value of construction work .....	1 808 866	2 271 298	1 289 115	731 923	1	2	1	2
Government owned .....	392 806	337 059	214 718	205 114	3	5	5	2
Federal .....	60 117	81 835	(NA)	(NA)	6	9	(NA)	(NA)
State and local .....	332 689	255 224	(NA)	(NA)	3	5	(NA)	(NA)
Privately owned .....	1 416 060	1 934 239	1 074 396	526 809	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**

[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	Relative standard error of estimate (percent)	
			1992	1987
<b>BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT</b>				
Beginning-of-year gross book value of depreciable assets .....	221 991	185 309	3	4
Capital expenditures, other than land .....	20 166	42 928	12	8
New .....	15 596	36 178	15	9
Used .....	4 570	6 750	14	11
Retirements and disposition of depreciable assets .....	10 809	7 350	7	11
End-of-year gross book value of depreciable assets .....	231 347	220 888	3	4
Depreciation charges during year .....	24 598	30 375	4	6
<b>Buildings and Other Structures, Additions, and Related Facilities</b>				
Beginning-of-year gross book value of depreciable assets .....	31 674	42 279	6	9
Capital expenditures, other than land .....	4 334	5 215	39	28
New buildings and other structures .....	*3 578	4 126	47	35
Used buildings and other structures .....	755	1 088	31	17
Retirements and disposition of depreciable assets .....	(S)	*941	(S)	45
End-of-year gross book value of depreciable assets .....	35 573	46 552	7	8
Depreciation charges during year .....	3 085	5 560	7	9
<b>Machinery and Equipment</b>				
Beginning-of-year gross book value of depreciable assets .....	190 317	143 030	3	4
Capital expenditures, other than land .....	15 832	37 713	7	8
New machinery and equipment, including automobiles and trucks .....	12 017	32 051	8	9
New automobiles and trucks, intended primarily for highway use .....	4 943	18 429	15	10
Used machinery and equipment, including automobiles and trucks .....	3 815	5 661	15	12
Retirements and disposition of depreciable assets .....	10 375	6 408	7	11
End-of-year gross book value of depreciable assets .....	195 773	174 335	3	5
Depreciation charges during year .....	21 513	24 814	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 .....	1 808 866	1
Establishments with inventories:		
Number .....	758	4
Value of construction work .....	512 055	3
Inventories <sup>1</sup> :		
End of 1992, materials and supplies .....	18 844	7
End of 1991, materials and supplies .....	19 156	7
Establishments with no inventories:		
Number .....	1 005	4
Value of construction work .....	481 840	5
Establishments not reporting:		
Number .....	1 102	4
Value of construction work .....	814 971	2

<sup>1</sup>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—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
<b>1992</b>										
Number of establishments .....	2 866	2 168	437	167	66	19	6	(S)	—	1
All employees** .....	13 981	3 688	2 770	2 200	1 769	1 322	2 232	(D)	—	(D)
Payroll, all employees .....	359 207	66 630	65 355	62 159	51 961	54 966	58 136	(D)	—	(D)
Dollar value of business done .....	1 849 955	344 016	281 582	274 679	190 718	251 118	507 842	(D)	—	(D)
Value of construction work .....	1 808 866	340 497	278 412	270 049	185 872	248 709	485 328	(D)	—	(D)
Net value of construction work† .....	1 258 332	283 889	206 862	213 839	137 908	415 833	(D)	(D)	—	(D)
Value added†† .....	766 729	164 631	125 422	135 147	90 191	120 282	131 056	(D)	—	(D)
Cost of materials, components, supplies, and fuels .....	532 692	122 777	84 610	83 323	52 563	189 418	(D)	(D)	—	(D)
Cost of construction work subcontracted out to others .....	550 534	56 607	71 550	56 210	47 963	318 204	(D)	(D)	—	(D)
Rental cost for machinery, equipment, and buildings .....	26 508	3 577	2 781	3 994	3 043	6 601	6 511	(D)	—	(D)
Capital expenditures, other than land .....	20 166	7 419	3 038	4 078	1 332	2 283	2 016	(D)	—	(D)
End-of-year gross book value of depreciable assets .....	231 347	54 686	30 178	50 321	27 977	34 611	33 574	(D)	—	(D)
<b>1987</b>										
All employees** .....	20 328	4 253	4 114	4 045	3 677	1 774	1 163	1 300	—	—
Value of construction work .....	2 271 298	389 023	321 307	324 919	374 483	239 183	622 383	(D)	—	—
Value added†† .....	952 879	171 171	162 535	172 865	189 203	99 211	85 245	72 648	—	—
<b>1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)</b>										
All employees** .....	(Z)	4	7	6	7	(Z)	(Z)	(D)	—	(D)
Net value of construction work† .....	2	5	8	7	4	(Z)	(D)	(D)	—	(D)
Capital expenditures, other than land .....	12	27	13	18	7	(Z)	(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—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
<b>1992</b>											
Number of establishments .....	2 866	(S)	(S)	546	817	436	250	174	46	25	20
All employees** .....	13 981	(S)	(S)	873	1 828	1 972	1 725	2 282	1 012	920	2 845
Payroll, all employees .....	359 207	(S)	(S)	11 767	32 294	40 376	41 624	66 504	32 843	36 477	92 629
Dollar value of business done .....	1 849 955	(S)	(S)	40 004	127 836	151 419	177 916	260 605	156 754	181 964	739 015
Value of construction work .....	1 808 866	(S)	(S)	39 728	126 827	150 056	173 332	258 262	154 474	178 810	712 983
Net value of construction work† .....	1 258 332	(S)	(S)	36 157	114 731	134 993	144 763	213 653	104 905	129 907	365 863
Value added†† .....	766 729	(S)	(S)	22 940	70 663	78 064	88 987	130 949	63 057	84 504	219 065
Cost of materials, components, supplies, and fuels .....	532 692	(S)	(S)	13 493	45 077	58 292	60 361	85 047	44 129	48 558	172 830
Cost of construction work subcontracted out to others .....	550 534	(S)	(S)	3 571	12 096	15 063	28 569	44 610	49 569	48 903	347 120
Rental cost for machinery, equipment, and buildings .....	26 508	(S)	(S)	(S)	(S)	2 263	1 964	3 642	1 814	2 942	11 729
Capital expenditures, other than land .....	20 166	(S)	(S)	(S)	1 740	* 4 364	2 908	2 417	2 172	1 494	3 393
End-of-year gross book value of depreciable assets .....	231 347	(S)	(S)	(S)	20 165	29 162	33 570	32 506	25 368	15 558	60 829
<b>1987</b>											
All employees** .....	20 328	(S)	(S)	(S)	(S)	2 983	2 540	3 891	2 228	1 072	3 288
Value of construction work .....	2 271 298	(S)	(S)	(S)	(S)	203 381	213 208	402 524	278 892	142 495	826 334
Value added†† .....	952 879	(S)	(S)	(S)	(S)	108 291	105 571	200 980	133 308	70 000	221 697
<b>1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)</b>											
All employees** .....	(Z)	(S)	(S)	10	7	8	9	6	4	2	(Z)
Net value of construction work† .....	2	(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	A	B	C	D
<b>1992</b>								
<b>Value of construction work</b> .....	<b>1 808 866</b>	<b>982 530</b>	<b>529 546</b>	<b>227 337</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>5</b>
Building construction .....	1 460 564	812 587	466 346	181 631	2	2	3	6
Single-family houses .....	352 366	197 794	95 214	59 357	4	6	6	7
Single-family houses, detached .....	326 644	185 043	87 564	54 036	4	6	6	8
Single-family houses, attached, including townhouses and townhouse-type condominiums .....	25 722	12 751	7 650	(S)	8	10	13	(S)
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives .....	46 792	13 677	16 338	16 777	12	9	12	25
Other residential buildings, including hotels, motels, and tourist cabins.....	20 211	12 372	5 748	2 091	9	13	11	13
Office buildings .....	209 098	110 932	81 707	16 459	3	4	5	10
Other commercial buildings such as stores, restaurants, and automobile service stations .....	188 100	94 680	67 834	25 586	7	9	8	14
Industrial buildings and warehouses .....	303 239	199 429	71 845	31 965	3	2	8	7
Industrial buildings .....	275 114	179 678	66 124	29 311	3	2	8	8
Warehouses .....	28 125	19 751	(S)	2 654	6	3	(S)	8
Religious buildings .....	20 502	(D)	10 204	(D)	9	(D)	13	(D)
Educational buildings .....	132 053	61 249	57 473	13 331	5	6	8	25
Hospitals and institutional buildings .....	124 384	64 821	51 977	7 585	1	1	2	7
Amusement, social, and recreational buildings, indoors .....	47 508	(D)	*3 958	(D)	4	(D)	41	(D)
Other nonresidential buildings .....	16 311	9 758	(S)	2 505	10	7	(S)	37
Nonbuilding construction.....	278 849	169 943	63 200	45 706	5	6	5	7
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc. ....	106 677	58 467	35 344	12 866	2	3	(Z)	5
Private driveways and parking areas .....	14 386	5 778	4 142	4 467	8	11	9	10
Bridges, tunnels, and elevated highways .....	36 994	29 689	5 057	2 249	2	3	2	10
Sewers, water mains, and related facilities .....	37 581	30 412	3 646	3 523	23	24	26	21
Sewers, sewer lines, septic systems, and related facilities .....	26 866	22 439	2 347	2 080	16	16	24	14
Water mains and related facilities .....	*10 715	*7 974	(S)	*1 443	41	46	(S)	43
Sewage treatment and water treatment plants .....	12 809	5 632	*5 131	2 046	18	3	46	4
Other nonbuilding construction .....	70 401	39 965	9 881	20 555	11	11	12	15
Construction work, n.s.k.....	69 453	(NA)	(NA)	(NA)	9	(NA)	(NA)	(NA)
<b>1987</b>								
<b>Value of construction work</b> .....	<b>2 271 298</b>	<b>1 410 719</b>	<b>541 660</b>	<b>186 349</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>3</b>
Building construction .....	1 851 836	1 243 721	463 262	138 797	2	3	3	4
Single-family houses .....	490 427	359 680	88 204	42 542	6	8	7	8
Single-family houses, detached .....	400 689	283 912	80 609	36 167	7	9	8	9
Single-family houses, attached, including townhouses and townhouse-type condominiums .....	89 738	75 768	7 594	6 375	14	17	15	24
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives .....	133 022	100 070	23 167	9 784	8	10	13	12
Other residential buildings, including hotels, motels, and tourist cabins.....	102 889	61 524	35 166	6 198	6	7	14	10
Office buildings .....	339 495	215 533	108 124	15 838	3	3	6	7
Other commercial buildings such as stores, restaurants, and automobile service stations .....	188 153	127 255	43 703	17 193	5	5	9	12
Industrial buildings and warehouses .....	342 621	253 600	61 603	27 417	3	3	5	12
Industrial buildings .....	262 305	183 358	53 830	25 116	4	4	5	13
Warehouses .....	80 315	70 241	7 773	2 300	3	3	6	12
Religious buildings .....	22 720	8 955	7 975	5 789	21	33	36	14
Educational buildings .....	81 690	40 307	33 056	8 326	3	2	5	12
Hospitals and institutional buildings .....	116 887	59 530	52 335	5 021	1	1	2	17
Other nonresidential buildings .....	33 932	20 577	9 929	3 435	6	5	23	17
Nonbuilding construction.....	286 892	163 688	78 397	44 806	3	4	5	6
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc. ....	99 201	44 627	36 705	17 869	5	8	8	3
Sewers, water mains, and related facilities .....	65 506	35 987	22 229	7 289	5	7	2	6
Sewers, sewer lines, septic systems, and related facilities .....	39 331	19 739	15 295	4 295	3	3	2	7
Water mains and related facilities .....	26 175	16 248	6 933	2 993	10	14	3	11
Other nonbuilding construction .....	122 185	83 074	19 463	19 648	(NA)	(NA)	(NA)	(NA)
Construction work, n.s.k.....	132 570	(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**

[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 code	Industry	Number of establishments	Average number of construction workers	Construction workers <sup>1</sup>				Relative standard error of estimate (percent) for column—					
				January to March	April to June	July to September	October to December	A	B	C	D	E	F
		A	B	C	D	E	F	A	B	C	D	E	F
<b>15, 16, 17</b>	<b>Construction industries -----</b>	<b>2 866</b>	<b>10 587</b>	<b>9 007</b>	<b>10 697</b>	<b>11 926</b>	<b>10 717</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
<b>15</b>	<b>Building construction—General contractors and operative builders:</b>												
152	General contractors, residential buildings:												
1521	Single-family houses -----	545	1 024	940	1 039	1 108	1 009	5	7	8	8	7	7
1522	Other residential buildings -----	49	100	83	108	109	98	27	31	36	29	30	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.e.c. ---	135	1 330	1 307	1 322	1 445	1 246	12	3	4	3	3	4
<b>16</b>	<b>Heavy construction other than building construction—contractors:</b>												
1611	Highway and street construction ----	29	644	299	714	788	775	12	6	7	6	6	6
162	Heavy construction, except highway:												
1622	Bridge, tunnel, and elevated highway construction -----	4	106	(D)	115	92	(D)	(Z)	(Z)	(D)	(Z)	(Z)	(D)
1623	Water, sewer, and utility lines ----	24	340	246	351	394	370	14	5	4	5	4	6
1629	Heavy construction, n.e.c. -----	56	238	(D)	252	(D)	251	20	10	(D)	9	(D)	9
<b>17</b>	<b>Special trade contractors:</b>												
1711	Plumbing, heating, and air-conditioning -----	328	1 151	1 024	1 115	1 270	1 193	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	1 126	959	3	5	4	4	7	4
174	Masonry, stonework, tile setting, and plastering:												
1741	Masonry, stone setting, and other stonework -----	102	(S)	(S)	(S)	(S)	(S)	8	(S)	(S)	(S)	(S)	(S)
1742	Plastering, drywall, and insulation work -----	104	513	520	504	511	515	17	12	12	11	12	12
1743	Terrazzo, tile, marble, and mosaic work -----	40	72	65	77	73	71	26	23	16	30	32	23
175	Carpentry and floor work:												
1751	Carpentry -----	255	550	450	571	617	562	7	12	12	14	13	11
1752	Floor laying and other floor work --	43	96	81	103	111	87	7	5	5	4	4	5
1761	Roofing, siding, and sheet metal work -----	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 -----	15	164	138	153	188	176	28	5	3	3	8	4
1793	Glass and glazing work -----	23	95	94	100	94	93	13	12	7	10	15	15
1794	Excavation work -----	99	236	185	234	266	260	11	8	9	8	7	7
1795	Wrecking and demolition work -----	12	98	82	94	(D)	(D)	12	6	7	6	(D)	(D)
1796	Installing building equipment, n.e.c. -----	14	87	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

<sup>1</sup>Construction workers during pay periods including 12th of March, May, August, and November.

**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]

SIC code	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				
					Payroll, all employees	Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted out to others	Value of construction work sub-contracted in from others	Rental cost for machinery, equipment, and buildings
<b>15, 16, 17</b>	<b>Construction industries -----</b>	<b>4.9</b>	<b>25.7</b>	<b>170.9</b>	<b>.199</b>	<b>.294</b>	<b>.304</b>	<b>.233</b>	<b>.015</b>
<b>15</b>	<b>Building construction—General contractors and operative builders:</b>								
152	General contractors, residential buildings:								
1521	Single-family houses -----	2.5	18.4	128.6	.193	.341	.257	.066	(S)
1522	Other residential buildings -----	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
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	14.7	39.7	(D)	(D)	(D)	(D)	(D)	(D)
1542	Nonresidential buildings, n.e.c. -----	14.5	26.0	347.0	.111	.211	.473	.037	.006
<b>16</b>	<b>Heavy construction other than building construction—contractors:</b>								
1611	Highway and street construction -----	28.7	32.8	161.9	.260	(D)	.171	.132	.047
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	34.3	(D)	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	Heavy construction, n.e.c. -----	5.7	25.7	(D)	(D)	(D)	(D)	(D)	(D)
<b>17</b>	<b>Special trade contractors:</b>								
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	Masonry, stonework, tile setting, and plastering:								
1741	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:								
1751	Carpentry -----	2.5	18.8	86.2	.254	.386	.121	.435	.012
1752	Floor laying and other floor work -----	2.7	24.9	144.4	.212	.375	.062	.508	.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	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	14.3	46.3	182.5	.328	(D)	(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	Wrecking and demolition work -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. -----	8.6	34.0	104.4	.449	.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**

[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 code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added‡	Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted out to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
	<b>PROVIDENCE-FALL RIVER-WARWICK, RI-MA MSA</b>											
15,16,17	<b>Construction industries .....</b>	<b>3 085</b>	<b>15 423</b>	<b>395 978</b>	<b>1 984 282</b>	<b>1 394 678</b>	<b>850 380</b>	<b>588 115</b>	<b>589 604</b>	<b>21 873</b>	<b>1</b>	<b>1</b>
15	<b>Building construction—General contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	544	1 420	26 022	138 125	104 016	57 681	47 680	34 109	(S)	7	8
1522	Other residential buildings .....	52	(D)	2 723	19 114	11 303	8 167	4 247	*7 811	*335	(D)	25
1531	Operative builders .....	76	188	4 718	56 780	38 979	18 887	20 892	17 802	103	15	11
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	(S)	429	16 497	(D)	(D)	24 208	(D)	(D)	640	5	(D)
1542	Nonresidential buildings, n.e.c. ....	140	2 106	55 138	484 706	248 877	155 299	101 685	235 829	1 269	3	3
16	<b>Heavy construction other than building construction—contractors:</b>											
1611	Highway and street construction .....	35	927	30 210	127 377	105 937	71 876	49 410	21 440	3 777	6	3
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction.....	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines .....	35	517	16 237	65 157	56 519	39 763	17 031	8 638	1 336	5	19
1629	Heavy construction, n.e.c. ....	73	378	10 137	42 161	35 889	24 113	12 553	6 272	3 257	7	6
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air-conditioning.....	352	1 729	50 446	183 830	162 962	95 847	67 832	20 867	(S)	4	5
1721	Painting and paper hanging.....	169	513	8 460	24 445	22 283	17 020	5 273	2 163	*457	10	7
1731	Electrical work .....	368	1 650	44 128	131 524	128 313	74 737	55 818	3 212	1 784	4	3
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work.....	114	(S)	(S)	(S)	(S)	(S)	(S)	(S)	383	(S)	(S)
1742	Plastering, drywall, and insulation work .....	119	715	18 283	54 538	51 387	34 828	16 690	3 151	431	9	6
1743	Terrazzo, tile, marble, and mosaic work .....	(S)	87	1 494	6 626	6 341	3 552	2 891	(S)	15	19	17
175	Carpentry and floor work:											
1751	Carpentry .....	281	702	13 203	48 799	42 486	24 683	18 608	6 313	629	11	9
1752	Floor laying and other floor work .....	50	141	3 441	16 824	15 373	8 787	6 911	1 451	(D)	3	2
1761	Roofing, siding, and sheet metal work .....	120	779	16 968	59 915	56 335	33 076	23 277	3 580	566	7	7
1771	Concrete work .....	135	629	13 182	45 149	39 438	24 626	16 740	5 710	1 177	8	8
1781	Water well drilling .....	12	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	16	(D)	(D)	(D)	(D)	(D)	7 097	(D)	(D)	(D)	(D)
1793	Glass and glazing work .....	23	154	6 255	(D)	(D)	10 498	13 114	(D)	(D)	8	(D)
1794	Excavation work.....	109	341	7 054	25 735	24 407	18 370	7 377	1 328	1 005	8	9
1795	Wrecking and demolition work .....	12	(D)	(D)	(D)	(D)	4 329	(D)	309	133	(D)	(D)
1796	Installing building equipment, n.e.c. -	20	171	5 013	12 006	11 866	10 083	1 840	140	(D)	2	1
1799	Special trade contractors, n.e.c. ....	152	587	13 581	51 733	48 436	29 568	19 391	3 297	574	12	14

# Contents

## Vermont

[Page numbers listed here omit the prefix that appears as part of the number of each page]

	Page
Summary of Findings .....	2

### FIGURES

1. Value of Construction Work by Type of Construction .....	3
2. Selected Costs per Dollar Value of Business Done .....	3

### TABLES

#### Statistics for Establishments With and Without Payroll

1. Summary Statistics by Industry: 1992 and 1987 .....	5
--	---

#### Statistics for Establishments With Payroll

2. General Statistics by Industry: 1992 and 1987 .....	6
3. Detailed Statistics: 1992 and Earlier Census Years .....	8
4. Assets, Capital Expenditures, and Depreciation: 1992 and 1987 .....	9
5. Value of Inventories: 1992 and 1991 .....	9
6. Selected Statistics by Employment Size Class: 1992 and 1987 .....	10
7. Selected Statistics by Size Class of Dollar Value of Business Done: 1992 and 1987 .....	10
8. Value of Construction Work by Type of Construction: 1992 and 1987 .....	11
9. Quarterly Construction Worker Employment by Industry: 1992 .....	12
10. Selected Industry Ratios in This State: 1992 .....	13
11. Selected Statistics for Selected Metropolitan Areas: 1992 .....	--

-- Not applicable for this report.

## 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*.<sup>1</sup> 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,

<sup>1</sup>*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.

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**  
(Percent)

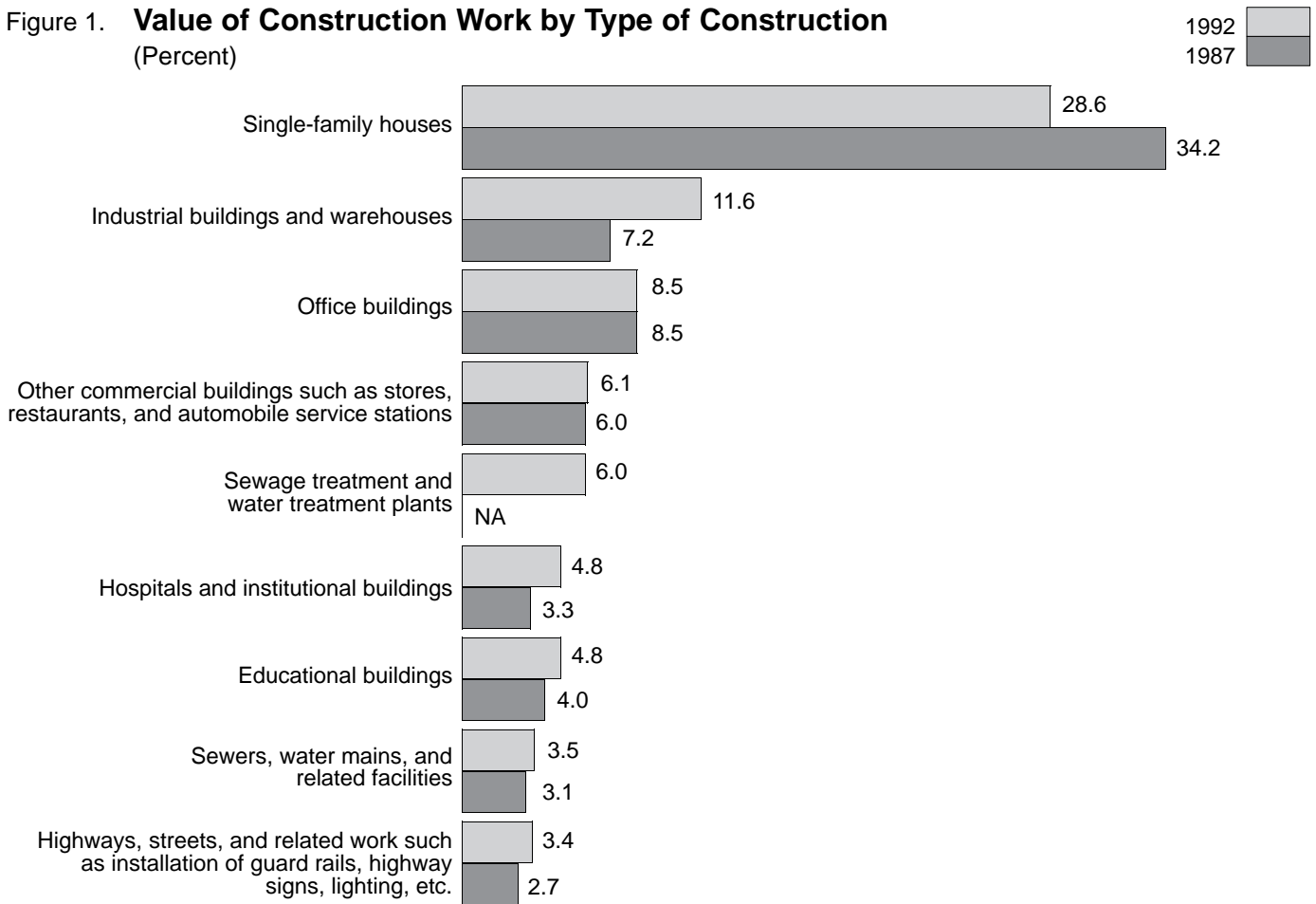
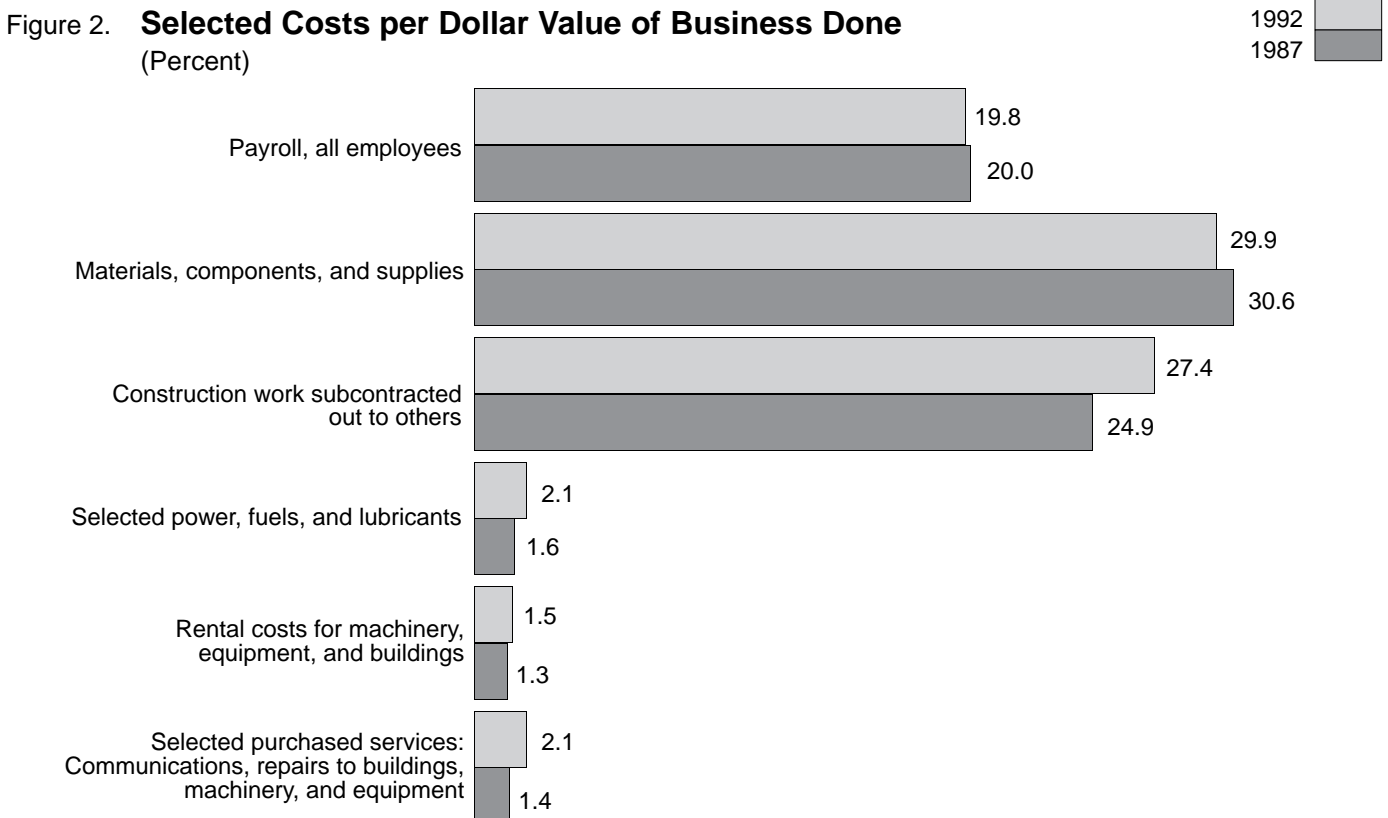


Figure 2. **Selected Costs per Dollar Value of Business Done**  
(Percent)



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

[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 code	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 partners	Dollar value of business done <sup>1</sup>	Number	Proprietors and working partners	All employees**	Dollar value of business done			
		A	B	C	D	E	F	G	H	I	J	K			J
<b>1992</b>															
15, 16, 17	Construction industries -----	8 963	7 649	11 878	1 383 462	6 419	6 324	163 646	2 544	1 325	11 878	1 219 816	2	2	
15	Building construction—General contractors and operative builders ----	2 089	1 494	5 009	742 758	1 126	1 052	50 727	963	442	5 009	692 031	4	3	
16	Heavy construction other than building construction— contractors-----	213	152	1 336	131 699	89	82	2 624	124	70	1 336	129 075	6	6	
17	Special trade contractors -----	6 661	6 004	5 534	509 004	5 204	5 190	110 295	1 457	814	5 534	398 709	3	4	
1711	Plumbing, heating, and air-conditioning --	641	515	1 059	105 173	380	377	13 780	261	138	1 059	91 393	8	8	
1731	Electrical work-----	592	465	879	68 746	390	380	10 087	202	(S)	879	58 659	6	5	
<b>1987</b>															
15, 16, 17	Construction industries <sup>2</sup> -----	8 678	6 737	16 630	1 813 246	6 039	5 935	278 253	2 639	802	16 630	1 534 993	2	4	
15	Building construction—General contractors and operative builders ----	2 254	1 478	7 059	941 065	1 252	1 182	87 313	1 002	296	7 059	853 752	3	6	
16	Heavy construction other than building construction— contractors-----	215	94	1 477	129 474	76	70	3 860	139	24	1 477	125 614	6	4	
17	Special trade contractors -----	6 002	5 033	7 768	664 819	4 543	4 553	134 340	1 459	480	7 768	530 479	3	4	
1711	Plumbing, heating, and air-conditioning --	653	424	1 710	154 867	337	339	19 242	316	85	1 710	135 625	6	7	
1731	Electrical work-----	534	345	1 056	79 310	332	328	12 722	202	17	1 056	66 588	7	8	

<sup>1</sup>For 1992, nonemployer records showing revenues greater than \$1 million were excluded. See Introduction text.

<sup>2</sup>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]

SIC code	Industry	1992							
		Number of establishments	Employees**		Payroll		Value of construction work	Net value of construction work†	Value added††
			All	Construction workers	All employees	Construction workers			
			A	B	C	D			
15, 16, 17	<b>Construction industries<sup>1</sup></b> .....	<b>2 544</b>	<b>11 878</b>	<b>9 186</b>	<b>241 116</b>	<b>175 366</b>	<b>1 196 993</b>	<b>863 228</b>	<b>495 560</b>
15	<b>Building construction—General contractors and operative builders:</b>								
152	General contractors, residential buildings:								
1521	Single-family houses .....	759	2 712	2 063	41 357	33 058	218 104	165 727	88 940
1522	Other residential buildings .....	*11	*22	*21	*463	*449	*1 499	*1 384	(D)
1531	Operative builders .....	60	164	71	3 408	1 259	39 561	30 754	11 969
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses .....	11	324	229	9 375	6 920	(D)	(D)	13 359
1542	Nonresidential buildings, n.e.c. ....	122	1 787	1 290	47 311	28 306	361 812	165 632	86 344
16	<b>Heavy construction other than building construction—contractors:</b>								
1611	Highway and street construction .....	23	270	217	7 331	4 822	31 364	27 268	11 738
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction .....	13	252	216	5 681	4 129	23 084	17 797	10 990
1623	Water, sewer, and utility lines .....	27	278	241	6 922	5 428	24 649	20 280	14 022
1629	Heavy construction, n.e.c. ....	62	535	428	10 726	8 224	44 941	(D)	26 837
17	<b>Special trade contractors:</b>								
1711	Plumbing, heating, and air-conditioning .....	261	1 059	769	23 538	17 024	89 977	81 576	47 417
1721	Painting and paper hanging .....	139	421	362	6 335	5 507	16 224	15 719	11 533
1731	Electrical work .....	202	879	678	19 459	14 067	56 917	55 380	33 964
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework .....	95	296	261	5 920	5 042	17 465	17 050	11 708
1742	Plastering, drywall, and insulation work .....	24	167	137	3 772	2 903	10 701	9 600	5 626
1743	Terrazzo, tile, marble, and mosaic work .....	*8	(D)	(D)	79	79	(D)	(D)	327
175	Carpentry and floor work:								
1751	Carpentry .....	197	455	378	5 687	4 996	30 661	27 607	16 684
1752	Floor laying and other floor work .....	34	81	65	1 159	865	5 125	4 750	2 415
1761	Roofing, siding, and sheet metal work .....	68	302	243	(D)	(D)	(D)	(D)	(D)
1771	Concrete work .....	131	413	349	7 985	6 485	27 793	26 920	15 877
1781	Water well drilling .....	27	242	*213	4 058	3 462	19 461	19 267	11 812
179	Miscellaneous special trade contractors:								
1791	Structural steel erection .....	5	58	45	1 932	1 307	5 677	5 455	4 383
1793	Glass and glazing work .....	*15	*64	*50	*1 299	*875	*4 643	(D)	(D)
1794	Excavation work .....	194	718	583	13 781	11 496	50 871	49 145	38 127
1795	Wrecking and demolition work .....	(S)	(D)	(D)	(S)	(S)	(S)	(S)	(S)
1796	Installing building equipment, n.e.c. ....	3	27	20	1 003	(D)	(D)	3 589	2 068
1799	Special trade contractors, n.e.c. ....	46	(D)	217	(D)	3 999	20 174	(D)	13 518

<sup>1</sup>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—			SIC code
Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted out to others	Value of construction work sub-contracted in from others	Rental cost of machinery, equipment, and buildings	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Value of construction work	Value added††	B	G	M	
I	J	K	L	M	N	O	P	Q				
390 491	333 765	192 294	18 173	19 644	236 679	16 630	1 479 576	634 232	2	2	13	15, 16, 17
79 436 (D)	52 377 (S)	(S) —	1 521 (S)	2 410 *102	21 540 (S)	3 804 409	319 208 45 988	120 967 13 201	8 50	8 62	26 67	152 1521 1522
20 493	8 806	(S)	(S)	*397	3 971	336	(D)	(D)	16	27	60	1531
16 124 80 683	(D) 196 180	(S) 1 787	759 3 761	(D) 2 018	4 286 23 041	278 2 232	40 920 306 608	10 680 77 046	6 5	(D) 4	(D) 8	154 1541 1542
16 932	4 097	11 508	467	1 404	27 745	308	32 411	17 772	9	12	14	1611
7 748 6 391 (D)	5 287 4 369 (D)	3 518 4 214 4 328	148 867 *3 274	704 877 3 114	11 069 16 464 24 676	305 379 485	30 722 27 121 31 185	16 245 17 261 21 519	17 12	8 7 (D) 39	(Z) 25 1629	162 1622 1623 1629
35 575	8 401	47 553	1 629	716	10 276	1 710	129 280	67 175	8	7	21	1711
4 185	506	9 239	231	*207	1 588	622	18 538	13 543	13	12	55	1721
23 158	1 537	15 533	609	598	6 526	1 056	65 946	36 384	6	5	33	1731
5 342 4 553 262	415 1 101 91	11 915 8 422 511	111 177 24	160 124 *6	3 723 1 015 47	431 459 (D)	22 601 24 408 (D)	13 982 14 422 (D)	13 (D)	13 19 (D)	35 10 58	174 1741 1742 1743
11 234 (S)	3 053 (S)	5 330 1 947	(S) (S)	370 (S)	5 603 *1 012	766 (D)	52 509 2 805	20 530 1 440	14 18	16 12	26 (S)	175 1751 1752
11 649	(D)	(D)	195	293	6 479	638	40 984	23 210	10	(D)	33	1761
12 442	873	15 444	830	887	8 486	479	33 392	16 126	12	13	31	1771
7 455	194	225	*454	204	8 159	57	6 210	4 526	38	38	23	1781
1 072 *2 975 14 915 (S) (D) (D)	222 (D) 1 727 (D) (D)	5 677 (D) 9 399 (D) *8 790	186 80 (D) 1 226 (D) (D)	160 (D) *4 251 (D) *102	1 170 289 47 506 (D) *1 089	126 99 870 *68 333	9 174 14 592 67 003 6 440 21 464	6 579 5 638 47 338 (D) 4 013 12 552	(Z) 42 (D) 14 (D) (D)	(Z) (D) 15 (S) (Z) (D)	(Z) (D) 55 (D) 46	179 1791 1793 1794 1795 1796 1799

CONSTRUCTION—GEOGRAPHIC AREA SERIES

VERMONT VT-7

**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 .....	2 544	2 639	1 783	1 738	1	2	4	6
Proprietors and working partners.....	1 325	802	812	1 217	4	8	7	9
All employees** .....	11 878	16 630	9 795	8 628	2	2	3	4
Construction workers:								
March.....	7 090	10 967	5 823	5 216	3	2	3	4
May.....	9 164	12 953	7 810	7 959	2	2	4	4
August.....	10 907	14 640	9 369	8 652	2	2	3	4
November.....	9 585	12 877	8 527	7 875	2	2	3	4
Average.....	9 186	12 859	8 082	7 432	2	2	3	4
Other employees:								
March.....	2 604	3 566	1 705	1 083	3	2	5	6
May.....	2 633	3 727	(NA)	(NA)	3	2	(NA)	(NA)
August.....	2 730	3 952	(NA)	(NA)	3	2	(NA)	(NA)
November.....	2 800	3 839	(NA)	(NA)	4	2	(NA)	(NA)
Average.....	2 692	3 771	(NA)	(NA)	3	2	(NA)	(NA)
Payroll, all employees .....	241 116	306 737	133 909	79 474	2	2	2	3
Payroll, construction workers .....	175 366	223 511	102 619	65 578	2	2	3	3
Payroll, other employees .....	65 749	83 225	31 290	13 897	2	3	3	4
First quarter payroll, all employees .....	48 157	65 407	26 038	13 856	3	2	3	3
Fringe benefits, all employees .....	50 678	60 156	25 595	12 462	2	4	3	3
Legally required expenditures.....	36 756	44 858	18 057	9 127	2	4	4	3
Voluntary expenditures.....	13 923	15 297	7 538	3 335	3	3	4	4
Dollar value of business done .....	1 219 816	1 534 993	642 690	346 649	2	4	3	3
Value of construction work .....	1 196 993	1 479 576	622 437	333 568	2	3	3	3
Value of construction work subcontracted in from others .....	192 294	238 492	93 629	58 649	6	6	6	7
Other business receipts .....	22 823	31 700	(D)	13 081	8	7	(D)	7
Net value of construction† .....	863 228	1 097 584	475 271	272 120	2	2	3	3
Value added†† .....	495 560	634 232	266 317	147 521	2	3	3	3
Selected costs .....	724 256	877 044	373 167	195 754	2	5	3	3
Materials, components, and supplies .....	365 012	470 304	211 149	126 593	3	3	3	4
Construction work subcontracted out to others .....	333 765	381 992	147 165	61 449	2	9	3	3
Selected power, fuels, and lubricants.....	25 479	24 748	14 852	7 712	5	5	6	5
Electricity.....	3 783	3 170	2 038	845	9	4	7	8
Natural gas.....	1 312	337	271	144	6	10	12	32
Gasoline and diesel fuel .....	18 590	19 641	11 518	5 879	4	7	6	5
On highway use.....	13 829	15 402	(NA)	(NA)	5	8	(NA)	(NA)
Off highway use.....	4 762	4 239	(NA)	(NA)	7	5	(NA)	(NA)
Other, including lubricating oils and greases.....	1 794	1 599	1 024	845	9	4	10	10
Rental cost for machinery, equipment, and buildings .....	18 173	19 844	9 926	5 903	10	4	6	2
For machinery and equipment .....	11 673	13 849	7 827	4 999	14	4	7	2
For buildings.....	6 500	5 995	2 098	904	10	6	8	7
Selected purchased services .....	25 078	21 506	12 044	7 979	7	4	5	4
Communication services .....	6 951	5 839	3 375	2 302	7	4	5	4
Repairs to buildings and other structures .....	838	1 731	503	534	11	9	11	12
Repairs to machinery and equipment .....	17 289	13 935	8 164	5 143	8	5	7	5
Ownership of construction projects:								
Value of construction work .....	1 196 993	1 479 576	622 437	333 568	2	3	3	3
Government owned .....	293 362	233 559	133 845	76 708	4	4	11	3
Federal .....	76 866	40 830	(NA)	(NA)	3	7	(NA)	(NA)
State and local .....	216 497	192 729	(NA)	(NA)	5	4	(NA)	(NA)
Privately owned .....	903 631	1 246 016	488 591	256 861	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**

[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	Relative standard error of estimate (percent)	
			1992	1987
<b>BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT</b>				
Beginning-of-year gross book value of depreciable assets .....	232 852	192 345	5	5
Capital expenditures, other than land .....	19 644	31 236	13	10
New .....	13 947	25 914	17	11
Used .....	5 697	5 322	18	12
Retirements and disposition of depreciable assets .....	15 818	15 151	21	25
End-of-year gross book value of depreciable assets .....	236 679	208 431	6	5
Depreciation charges during year .....	25 765	28 183	8	7
<b>Buildings and Other Structures, Additions, and Related Facilities</b>				
Beginning-of-year gross book value of depreciable assets .....	35 427	32 523	11	7
Capital expenditures, other than land .....	815	4 691	23	20
New buildings and other structures .....	439	3 497	9	25
Used buildings and other structures .....	*376	1 193	48	26
Retirements and disposition of depreciable assets .....	(S)	320	(S)	8
End-of-year gross book value of depreciable assets .....	34 491	36 895	11	7
Depreciation charges during year .....	(S)	2 508	(S)	11
<b>Machinery and Equipment</b>				
Beginning-of-year gross book value of depreciable assets .....	197 425	159 821	5	6
Capital expenditures, other than land .....	18 830	26 545	14	11
New machinery and equipment, including automobiles and trucks .....	13 508	22 416	18	13
New automobiles and trucks, intended primarily for highway use .....	5 672	12 062	16	19
Used machinery and equipment, including automobiles and trucks .....	5 322	4 128	19	12
Retirements and disposition of depreciable assets .....	14 067	14 831	22	25
End-of-year gross book value of depreciable assets .....	202 188	171 535	6	6
Depreciation charges during year .....	22 408	25 675	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 .....	2 544	1
Value of construction work .....	1 196 993	2
Establishments with inventories:		
Number .....	805	5
Value of construction work .....	728 211	3
Inventories <sup>1</sup> :		
End of 1992, materials and supplies .....	13 676	12
End of 1991, materials and supplies .....	13 712	13
Establishments with no inventories:		
Number .....	1 028	5
Value of construction work .....	322 248	4
Establishments not reporting:		
Number .....	712	5
Value of construction work .....	146 534	5

<sup>1</sup>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—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
<b>1992</b>										
Number of establishments .....	2 544	1 930	374	153	72	13	2	—	1	—
All employees** .....	11 878	3 399	2 433	1 998	2 002	809	1 237	—	(D)	—
Payroll, all employees .....	241 116	49 942	46 278	40 540	47 157	57 199	(D)	—	(D)	—
Dollar value of business done .....	1 219 816	274 725	209 979	157 099	188 736	88 456	300 822	—	(D)	—
Value of construction work .....	1 196 993	268 495	206 696	151 683	182 923	86 744	300 452	—	(D)	—
Net value of construction work† .....	863 228	232 135	175 462	126 196	140 938	188 497	(D)	—	(D)	—
Value added†† .....	495 560	128 620	112 554	78 856	80 371	95 159	(D)	—	(D)	—
Cost of materials, components, supplies, and fuels .....	390 491	109 745	66 192	52 755	66 379	95 420	(D)	—	(D)	—
Cost of construction work subcontracted out to others .....	333 765	36 360	31 233	25 488	41 985	198 699	(D)	—	(D)	—
Rental cost for machinery, equipment, and buildings .....	18 173	4 387	4 006	1 885	2 966	4 928	(D)	—	(D)	—
Capital expenditures, other than land .....	19 644	4 769	*5 450	2 877	2 474	4 075	(D)	—	(D)	—
End-of-year gross book value of depreciable assets .....	236 679	44 377	67 135	34 286	40 139	50 742	(D)	—	(D)	—
<b>1987</b>										
All employees** .....	16 630	(S)	3 548	2 661	3 403	1 272	2 416	—	—	(D)
Value of construction work .....	1 479 576	(S)	220 764	212 443	325 332	419 639	(D)	—	—	(D)
Value added†† .....	634 232	(S)	116 805	89 236	150 943	132 333	(D)	—	—	(D)
<b>1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)</b>										
All employees** .....	2	6	10	9	9	(Z)	(Z)	—	(D)	—
Net value of construction work† .....	2	7	10	9	8	(Z)	(D)	—	(D)	—
Capital expenditures, other than land .....	13	24	41	25	13	(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 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—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
<b>1992</b>											
Number of establishments .....	2 544	(S)	(S)	566	726	457	201	164	28	14	5
All employees** .....	11 878	(S)	(S)	791	1 807	1 883	1 850	2 301	881	743	1 362
Payroll, all employees .....	241 116	(S)	(S)	8 727	26 587	32 454	37 500	52 171	23 242	19 062	39 256
Dollar value of business done .....	1 219 816	(S)	(S)	40 954	111 246	156 151	140 571	242 751	98 028	92 203	327 882
Value of construction work .....	1 196 993	(S)	(S)	40 293	108 757	151 688	138 022	235 463	94 296	91 155	327 512
Net value of construction work† .....	863 228	(S)	(S)	38 112	98 188	128 420	121 147	191 199	76 214	67 916	132 893
Value added†† .....	495 560	(S)	(S)	22 980	63 277	68 625	77 924	114 669	44 990	36 625	61 211
Cost of materials, components, supplies, and fuels .....	390 491	(S)	(S)	15 794	37 400	64 258	45 771	83 818	34 957	32 339	72 052
Cost of construction work subcontracted out to others .....	333 765	(S)	(S)	(S)	10 569	23 268	16 876	44 264	18 082	23 239	194 619
Rental cost for machinery, equipment, and buildings .....	18 173	(S)	(S)	861	(S)	1 764	2 050	5 151	(S)	5 182	(D)
Capital expenditures, other than land .....	19 644	(S)	(S)	434	2 000	*5 938	1 934	3 923	1 372	3 856	(D)
End-of-year gross book value of depreciable assets .....	236 679	(S)	(S)	12 564	17 246	36 880	41 234	50 525	32 110	24 204	20 136
<b>1987</b>											
All employees** .....	16 630	(S)	(S)	(S)	2 865	2 254	2 388	2 504	1 915	1 389	2 338
Value of construction work .....	1 479 576	(S)	(S)	(S)	144 459	152 630	164 253	210 436	201 561	166 311	398 827
Value added†† .....	634 232	(S)	(S)	(S)	82 111	78 456	88 259	102 259	98 601	66 131	94 888
<b>1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)</b>											
All employees** .....	2	(S)	(S)	11	9	11	10	10	2	(Z)	(Z)
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	A	B	C	D
<b>1992</b>								
<b>Value of construction work</b> .....	<b>1 196 993</b>	<b>653 712</b>	<b>336 462</b>	<b>114 725</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>5</b>
Building construction .....	867 352	526 095	253 575	87 682	2	3	4	6
Single-family houses .....	342 757	208 710	90 424	43 624	5	6	7	10
Single-family houses, detached .....	310 218	184 995	84 551	40 671	5	7	7	11
Single-family houses, attached, including townhouses and townhouse-type condominiums .....	32 539	23 714	5 873	2 952	14	15	25	20
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives .....	24 916	10 249	10 757	3 910	10	14	14	20
Other residential buildings, including hotels, motels, and tourist cabins.....	15 510	9 794	3 868	1 847	10	7	30	22
Office buildings .....	101 699	75 632	20 789	5 279	4	3	14	18
Other commercial buildings such as stores, restaurants, and automobile service stations .....	72 891	38 331	25 728	8 832	9	12	15	10
Industrial buildings and warehouses .....	139 038	82 148	45 503	11 387	3	3	5	5
Industrial buildings .....	109 674	58 901	40 707	10 066	4	4	6	6
Warehouses .....	29 364	23 247	4 796	1 322	4	4	8	16
Educational buildings .....	57 641	34 024	18 546	5 070	9	10	9	20
Hospitals and institutional buildings .....	58 031	37 700	16 992	3 339	3	1	7	16
Farm buildings, nonresidential .....	8 357	4 973	1 917	1 467	19	28	22	19
Amusement, social, and recreational buildings, indoors .....	8 287	6 623	593	1 072	6	6	12	24
Other nonresidential buildings .....	38 226	17 913	18 459	1 854	7	8	6	19
Nonbuilding construction.....	237 548	127 617	82 887	27 044	3	4	5	11
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc. ....	41 018	22 929	9 964	8 125	9	12	6	26
Private driveways and parking areas .....	7 460	5 293	(D)	(D)	25	30	(D)	(D)
Recreational facilities .....	6 549	4 552	564	* 1 433	29	29	38	45
Bridges, tunnels, and elevated highways .....	23 263	7 341	14 033	1 889	9	20	11	12
Power and communication transmission lines, towers, and related facilities.....	8 001	5 112	(S)	* 1 873	25	26	(S)	63
Sewers, water mains, and related facilities.....	42 158	21 892	13 553	6 714	11	12	14	23
Sewers, sewer lines, septic systems, and related facilities .....	27 304	10 516	11 705	5 084	14	16	15	28
Water mains and related facilities .....	14 854	11 376	1 848	1 630	10	10	13	12
Power plants .....	18 067	(S)	(D)	(D)	6	(S)	(D)	(D)
Other nonbuilding construction .....	91 031	58 934	30 246	(S)	5	5	9	(S)
Construction work, n.s.k. ....	92 093	(NA)	(NA)	(NA)	16	(NA)	(NA)	(NA)
<b>1987</b>								
<b>Value of construction work</b> .....	<b>1 479 576</b>	<b>998 648</b>	<b>279 516</b>	<b>105 240</b>	<b>3</b>	<b>5</b>	<b>3</b>	<b>5</b>
Building construction .....	1 130 491	798 618	243 632	75 420	4	6	4	6
Single-family houses .....	505 997	379 370	85 777	40 848	5	7	7	8
Single-family houses, detached .....	358 755	244 214	78 248	36 293	5	7	7	8
Single-family houses, attached, including townhouses and townhouse-type condominiums .....	147 241	135 156	7 529	4 555	12	13	10	18
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives .....	*93 713	*82 329	5 529	5 854	44	50	17	17
Other residential buildings, including hotels, motels, and tourist cabins.....	73 188	54 997	13 609	4 581	10	12	18	23
Office buildings .....	125 331	88 789	32 451	4 091	4	3	11	12
Other commercial buildings such as stores, restaurants, and automobile service stations .....	89 361	51 665	29 336	8 359	6	7	7	10
Industrial buildings and warehouses .....	107 193	77 684	21 743	7 765	4	4	5	9
Industrial buildings .....	75 998	51 979	17 653	6 365	4	5	5	10
Warehouses .....	31 194	25 704	4 090	1 399	5	6	5	7
Educational buildings .....	59 414	34 307	22 556	2 550	6	6	13	14
Hospitals and institutional buildings .....	48 550	22 644	24 811	1 094	6	8	8	19
Other nonresidential buildings .....	27 744	15 997	8 148	3 608	19	30	17	12
Nonbuilding construction.....	252 915	190 866	35 556	26 492	3	3	6	8
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc. ....	39 964	23 704	12 241	4 018	6	6	6	19
Sewers, water mains, and related facilities .....	45 837	35 280	5 738	4 818	6	4	14	13
Sewers, sewer lines, septic systems, and related facilities .....	33 013	24 738	4 941	3 333	6	5	15	10
Water mains and related facilities .....	12 823	10 541	(D)	(D)	8	6	(D)	(D)
Power plants .....	22 380	19 418	(D)	(D)	3	4	(D)	(D)
Other nonbuilding construction .....	144 734	112 464	16 459	15 813	(NA)	(NA)	(NA)	(NA)
Construction work, n.s.k. ....	96 169	(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**

[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 code	Industry	Number of establishments	Average number of construction workers	Construction workers <sup>1</sup>				Relative standard error of estimate (percent) for column—					
				January to March	April to June	July to September	October to December	A	B	C	D	E	F
				A	B	C	D	E	F	A	B	C	D
<b>15, 16, 17</b>	<b>Construction industries -----</b>	<b>2 544</b>	<b>9 186</b>	<b>7 090</b>	<b>9 164</b>	<b>10 907</b>	<b>9 585</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>2</b>
<b>15</b>	<b>Building construction—General contractors and operative builders:</b>												
152	General contractors, residential buildings:												
1521	Single-family houses -----	759	2 063	1 675	2 091	2 436	2 051	5	8	9	8	7	7
1522	Other residential buildings -----	*11	*21	(S)	(S)	*32	*31	69	53	(S)	(S)	52	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.e.c. ---	122	1 290	1 132	1 205	1 411	1 412	18	6	5	5	6	7
<b>16</b>	<b>Heavy construction other than building construction—contractors:</b>												
1611	Highway and street construction ----	23	217	82	216	295	277	35	7	10	7	7	8
162	Heavy construction, except highway:												
1622	Bridge, tunnel, and elevated 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
<b>17</b>	<b>Special trade contractors:</b>												
1711	Plumbing, heating, and air-conditioning -----	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 -----	202	678	685	619	726	681	2	6	6	6	6	7
174	Masonry, stonework, tile setting, and plastering:												
1741	Masonry, stone setting, and other stonework -----	95	261	167	285	316	277	11	13	17	20	13	18
1742	Plastering, drywall, and insulation work -----	24	137	112	101	173	162	37	18	20	21	19	19
1743	Terrazzo, tile, marble, and mosaic work -----	*8	(D)	(D)	(D)	8	(D)	43	(D)	(D)	(D)	(Z)	(D)
175	Carpentry and floor work:												
1751	Carpentry -----	197	378	275	349	421	467	9	14	12	12	13	16
1752	Floor laying and other floor work --	34	65	69	68	64	59	22	23	33	22	24	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	Miscellaneous special trade contractors:												
1791	Structural steel erection -----	5	45	45	35	47	54	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
1793	Glass and glazing work -----	*15	*50	*43	*41	*62	*54	53	45	47	49	43	42
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	Installing building equipment, n.e.c. -----	3	20	(D)	22	(D)	(D)	(Z)	(Z)	(D)	(Z)	(D)	(D)
1799	Special trade contractors, n.e.c. ---	46	217	152	235	277	204	27	19	19	20	21	21

<sup>1</sup>Construction workers during pay periods including 12th of March, May, August, and November.

**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]

SIC code	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				
					Payroll, all employees	Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted out to others	Value of construction work sub-contracted in from others	Rental cost for machinery, equipment, and buildings
<b>15, 16, 17</b>	<b>Construction industries -----</b>	<b>4.7</b>	<b>20.3</b>	<b>130.3</b>	<b>.201</b>	<b>.326</b>	<b>.279</b>	<b>.161</b>	<b>.015</b>
<b>15</b>	<b>Building construction—General contractors and operative builders:</b>								
152	General contractors, residential buildings:								
1521	Single-family houses -----	3.6	15.3	105.7	.190	.364	.240	(S)	.007
1522	Other residential buildings -----	*2.0	21.0	71.4	.309	(D)	.077	—	.064
1531	Operative builders -----	2.7	20.8	557.2	.086	.518	.223	(S)	*.017
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	30.1	28.9	(D)	(D)	(D)	(D)	(D)	(D)
1542	Nonresidential buildings, n.e.c. -----	14.6	26.5	280.5	.131	.223	.542	.005	.010
<b>16</b>	<b>Heavy construction other than building construction—contractors:</b>								
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	Water, sewer, and utility lines -----	10.4	24.9	102.3	.281	.259	.177	.171	.035
1629	Heavy construction, n.e.c. -----	8.7	20.0	105.0	.239	(D)	(D)	.096	*.073
<b>17</b>	<b>Special trade contractors:</b>								
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	.366	.100	.174	(S)
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	Excavation work -----	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. Standard Industrial Classification Titles for Industry Groups and Industries

SIC code	Industry titles	SIC code	Industry titles
<b>15</b>	<b>BUILDING CONSTRUCTION—GENERAL CONTRACTORS AND OPERATIVE BUILDERS</b>	<b>17</b>	<b>CONSTRUCTION—SPECIAL TRADE CONTRACTORS—Con.</b>
<b>152</b>	<b>General Building Contractors—Residential Buildings</b>	<b>173</b>	<b>Electrical Work Special Trade Contractors</b>
1521	General Contractors—Single-Family Houses	1731	Electrical Work Special Trade Contractors
1522	General Contractors—Residential Buildings, Other Than Single-Family	<b>174</b>	<b>Masonry, Stone Work, Tile Setting, and Plastering Special Trade Contractors</b>
<b>153</b>	<b>Operative Builders</b>	1741	Masonry, Stone Setting, and Other Stone Work Special Trade Contractors
1531	Operative Builders	1742	Plastering, Drywall, Acoustical, and Insulation Work Special Trade Contractors
<b>154</b>	<b>General Building Contractors—Nonresidential Buildings</b>	1743	Terrazzo, Tile, Marble, and Mosaic Work Special Trade Contractors
1541	General Contractors—Industrial Buildings and Warehouses	<b>175</b>	<b>Carpentry and Floor Work Special Trade Contractors</b>
1542	General Contractors—Nonresidential Buildings, Other Than Industrial Buildings and Warehouses	1751	Carpentry Work Special Trade Contractors
<b>16</b>	<b>HEAVY CONSTRUCTION OTHER THAN BUILDING CONSTRUCTION—CONTRACTORS</b>	1752	Floor Laying and Other Floor Work Special Trade Contractors, Not Elsewhere Classified
<b>161</b>	<b>Highway and Street Construction, Except Elevated Highways</b>	<b>176</b>	<b>Roofing, Siding, and Sheet Metal Work Special Trade Contractors</b>
1611	Highway and Street Construction Contractors, Except Elevated Highways	1761	Roofing, Siding, and Sheet Metal Work Special Trade Contractors
<b>162</b>	<b>Heavy Construction, Except Highway and Street Construction</b>	<b>177</b>	<b>Concrete Work Special Trade Contractors</b>
1622	Bridge, Tunnel, and Elevated Highway Construction Contractors	1771	Concrete Work Special Trade Contractors
1623	Water, Sewer, Pipeline, and Communications and Power Line Construction Contractors	<b>178</b>	<b>Water Well Drilling Special Trade Contractors</b>
1629	Heavy Construction Contractors, Not Elsewhere Classified	1781	Water Well Drilling Special Trade Contractors
<b>17</b>	<b>CONSTRUCTION—SPECIAL TRADE CONTRACTORS</b>	<b>179</b>	<b>Miscellaneous Special Trade Contractors</b>
<b>171</b>	<b>Plumbing, Heating, and Air-Conditioning Special Trade Contractors</b>	1791	Structural Steel Erection Special Trade Contractors
1711	Plumbing, Heating, and Air-Conditioning Special Trade Contractors	1793	Glass and Glazing Work Special Trade Contractors
<b>172</b>	<b>Painting and Paper Hanging Special Trade Contractors</b>	1794	Excavation Work Special Trade Contractors
1721	Painting and Paper Hanging Special Trade Contractors	1795	Wrecking and Demolition Work Special Trade Contractors
		1796	Installation or Erection of Building Equipment, Special Trade Contractors, Not Elsewhere Classified
		1799	Special Trade Contractors, Not Elsewhere Classified



## Appendix C. 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

Iowa  
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

Taylor County, TX

### Akron, OH PMSA—see Cleveland–Akron, OH CMSA

### Albany, GA MSA

Dougherty County, GA  
Lee County, GA

### Albany–Schenectady–Troy, NY MSA

Albany County, NY  
Montgomery County, NY  
Rensselaer County, NY  
Saratoga County, NY  
Schenectady County, NY  
Schoharie County, NY

### Albuquerque, NM MSA

Bernalillo County, NM  
Sandoval County, NM  
Valencia County, NM

### Alexandria, LA MSA

Rapides Parish, LA

### Allentown–Bethlehem–Easton, PA MSA

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

### Altoona, PA MSA

Blair County, PA

### Amarillo, TX MSA

Potter County, TX  
Randall County, TX

### Anchorage, AK MSA

Anchorage Borough, AK

### Ann Arbor, MI PMSA—see Detroit–Ann Arbor–Flint, MI CMSA

### Anniston, AL MSA

Calhoun County, AL

### Appleton–Oshkosh–Neenah, WI MSA

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

### Asheville, NC MSA

Buncombe County, NC  
Madison County, NC

### Athens, GA MSA

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

### Atlanta, GA MSA

Barrow County, GA  
Bartow County, GA

### Atlanta, GA MSA—Con.

Carroll County, GA  
Cherokee County, GA  
Clayton County, GA  
Cobb County, GA  
Coweta County, GA  
DeKalb County, GA  
Douglas County, GA  
Fayette County, GA  
Forsyth County, GA  
Fulton County, GA  
Gwinnett County, GA  
Henry County, GA  
Newton County, GA  
Paulding County, GA  
Pickens County, GA  
Rockdale County, GA  
Spalding County, GA  
Walton County, GA

### Atlantic–Cape May, NJ PMSA—see Philadelphia–Wilmington–Atlantic City, PA–NJ–DE–MD CMSA

### Augusta–Aiken, GA–SC MSA

Columbia County, GA  
McDuffie County, GA  
Richmond County, GA  
Aiken County, SC  
Edgefield County, SC

### Austin–San Marcos, TX MSA

Bastrop County, TX  
Caldwell County, TX  
Hays County, TX  
Travis County, TX  
Williamson County, TX

### Bakersfield, CA MSA

Kern County, CA

### Baltimore, MD PMSA—see Washington–Baltimore, DC–MD–VA–WV CMSA

### Bangor, ME MSA

Penobscot County, ME (part)  
Bangor city, ME  
Brewer city, ME  
Eddington town, ME  
Glenburn town, ME  
Hampden town, ME  
Hermon town, ME  
Holden town, ME  
Kenduskeag town, ME  
Milford town, ME  
Old Town city, ME  
Orono town, ME  
Orrington town, ME  
Penobscot Indian Island  
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
  - Ipswich 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  
 Hillsborough County, NH (part)  
 Bedford town, NH  
 Goffstown town, NH  
 Manchester city, NH  
 Weare town, NH  
 Merrimack County, NH (part)  
 Allentown town, NH  
 Hooksett town, NH  
 Rockingham County, NH (part)  
 Auburn town, NH  
 Candia town, NH  
 Londonderry town, NH  
 Nashua, NH PMSA  
 Hillsborough County, NH (part)  
 Amherst town, NH  
 Brookline town, NH  
 Greenville town, NH  
 Hollis town, NH  
 Hudson town, NH  
 Litchfield town, NH  
 Mason town, NH  
 Merrimack town, NH  
 Milford town, NH  
 Mont Vernon town, NH  
 Nashua city, NH  
 New Ipswich town, NH  
 Wilton town, NH  
 New Bedford, MA PMSA  
 Bristol County, MA (part)  
 Acushnet town, MA  
 Dartmouth town, MA  
 Fairhaven town, MA  
 Freetown town, MA  
 New Bedford city, MA  
 Plymouth County, MA (part)  
 Marion town, MA  
 Mattapoisett town, MA  
 Rochester town, MA  
 Portsmouth–Rochester, NH–ME PMSA  
 York County, ME (part)  
 Berwick town, ME  
 Eliot town, ME  
 Kittery town, ME  
 South Berwick town, ME  
 York town, ME  
 Rockingham County, NH (part)  
 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  
 New Castle town, NH  
 Newfields town, NH  
 Newington town, NH  
 Newmarket town, NH  
 North Hampton town, NH  
 Portsmouth city, NH  
 Rye town, NH  
 Stratham town, NH  
 Strafford County, NH (part)  
 Barrington town, NH  
 Dover city, NH  
 Durham town, NH  
 Farmington town, NH  
 Lee town, NH  
 Madbury town, NH  
 Milton town, NH  
 Rochester city, NH  
 Rollinsford town, NH  
 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  
Kenosha County, WI
- Chico–Paradise, CA MSA**  
Butte County, CA
- Cincinnati, OH–KY–IN PMSA—see Cincinnati–Hamilton, OH–KY–IN CMSA**
- Cincinnati–Hamilton, OH–KY–IN CMSA**  
Cincinnati, OH–KY–IN PMSA  
Dearborn County, IN  
Ohio County, IN  
Boone County, KY  
Campbell County, KY  
Gallatin County, KY  
Grant County, KY  
Kenton County, KY  
Pendleton County, KY  
Brown County, OH  
Clermont County, OH  
Hamilton County, OH  
Warren County, OH  
Hamilton–Middletown, OH PMSA  
Butler County, OH
- Clarksville–Hopkinsville, TN–KY MSA**  
Christian County, KY  
Montgomery County, TN
- Cleveland–Lorain–Elyria, OH PMSA—see Cleveland–Akron, OH CMSA**
- Cleveland–Akron, OH CMSA**  
Akron, OH PMSA  
Portage County, OH  
Summit County, OH  
Cleveland–Lorain–Elyria, OH PMSA  
Ashtabula County, OH  
Cuyahoga County, OH  
Geauga County, OH  
Lake County, OH  
Lorain County, OH  
Medina County, OH
- Colorado Springs, CO MSA**  
El Paso County, CO
- Columbia, MO MSA**  
Boone County, MO
- Columbia, SC MSA**  
Lexington County, SC  
Richland County, SC
- Columbus, GA–AL MSA**  
Russell County, AL  
Chattahoochee County, GA  
Harris County, GA  
Muscookee County, GA
- Columbus, OH MSA**  
Delaware County, OH  
Fairfield County, OH  
Franklin County, OH  
Licking County, OH  
Madison County, OH  
Pickaway County, OH
- Corpus Christi, TX MSA**  
Nueces County, TX  
San Patricio County, TX
- Cumberland, MD–WV MSA**  
Allegany County, MD  
Mineral County, WV
- Dallas, TX PMSA—see Dallas–Fort Worth, TX CMSA**
- Dallas–Fort Worth, TX CMSA**  
Dallas, TX PMSA  
Collin County, TX  
Dallas County, TX  
Denton County, TX  
Ellis County, TX  
Henderson County, TX  
Hunt County, TX  
Kaufman County, TX  
Rockwall County, TX  
Fort Worth–Arlington, TX PMSA  
Hood County, TX  
Johnson County, TX  
Parker County, TX  
Tarrant County, TX
- Danbury, CT PMSA—see New York–Northern New Jersey–Long Island, NY–NJ–CT–PA CMSA**
- Danville, VA MSA**  
Pittsylvania County, VA  
Danville city, VA
- Davenport–Moline–Rock Island, IA–IL MSA**  
Henry County, IL  
Rock Island County, IL  
Scott County, IA
- Dayton–Springfield, OH MSA**  
Clark County, OH  
Greene County, OH  
Miami County, OH  
Montgomery County, OH
- Daytona Beach, FL MSA**  
Flagler County, FL  
Volusia County, FL
- Decatur, AL MSA**  
Lawrence County, AL  
Morgan County, AL
- Decatur, IL MSA**  
Macon County, IL
- Denver, CO PMSA—see Denver–Boulder–Greeley, CO CMSA**
- Denver–Boulder–Greeley, CO CMSA**  
Boulder–Longmont, CO PMSA  
Boulder County, CO  
Denver, CO PMSA  
Adams County, CO  
Arapahoe County, CO  
Denver County, CO  
Douglas County, CO  
Jefferson County, CO  
Greeley, CO PMSA  
Weld County, CO
- Des Moines, IA MSA**  
Dallas County, IA  
Polk County, IA  
Warren County, IA
- Detroit, MI PMSA—see Detroit–Ann Arbor–Flint, MI CMSA**
- Detroit–Ann Arbor–Flint, MI CMSA**  
Ann Arbor, MI PMSA  
Lenawee County, MI  
Livingston County, MI  
Washtenaw County, MI  
Detroit, MI PMSA  
Lapeer County, MI  
Macomb County, MI  
Monroe 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**  
 Crawford County, AR  
 Sebastian County, AR  
 Sequoyah County, OK

**Fort Walton Beach, FL MSA**  
 Okaloosa County, FL

**Fort Wayne, IN MSA**  
 Adams County, IN  
 Allen County, IN  
 De Kalb County, IN  
 Huntington County, IN  
 Wells County, IN  
 Whitley County, IN

**Fort Worth—Arlington, TX PMSA—see  
 Dallas—Fort Worth, TX CMSA**

**Fresno, CA MSA**  
 Fresno County, CA  
 Madera County, CA

**Gadsden, AL MSA**  
 Etowah County, AL

**Gainesville, FL MSA**  
 Alachua County, FL

**Galveston—Texas City, TX PMSA—see  
 Houston—Galveston—Brazoria, TX CMSA**

**Gary, IN PMSA—see Chicago—Gary—  
 Kenosha, IL—IN—WI CMSA**

**Glens Falls, NY MSA**  
 Warren County, NY  
 Washington County, NY

**Goldsboro, NC MSA**  
 Wayne County, NC

**Grand Forks, ND—MN MSA**  
 Polk County, MN  
 Grand Forks County, ND

**Grand Rapids—Muskegon—Holland, MI MSA**  
 Allegan County, MI  
 Kent County, MI  
 Muskegon County, MI  
 Ottawa County, MI

**Great Falls, MT MSA**  
 Cascade County, MT

**Greeley, CO PMSA—see Denver—Boulder—  
 Greeley, CO CMSA**

**Green Bay, WI MSA**  
 Brown County, WI

**Greensboro—Winston-Salem—High Point, NC  
 MSA**  
 Alamance County, NC  
 Davidson County, NC  
 Davie County, NC  
 Forsyth County, NC  
 Guilford County, NC  
 Randolph County, NC  
 Stokes County, NC  
 Yadkin County, NC

**Greenville, NC MSA**  
 Pitt County, NC

**Greenville—Spartanburg—Anderson, SC MSA**  
 Anderson County, SC  
 Cherokee County, SC  
 Greenville County, SC  
 Pickens County, SC  
 Spartanburg County, SC

**Hagerstown, MD PMSA—see Washington—  
 Baltimore, DC—MD—VA—WV CMSA**

**Hamilton—Middletown, OH PMSA—see  
 Cincinnati—Hamilton, OH—KY—IN CMSA**

**Harrisburg—Lebanon—Carlisle, PA MSA**  
 Cumberland County, PA  
 Dauphin County, PA  
 Lebanon County, PA  
 Perry County, PA

**Hartford, CT MSA**  
 Hartford County, CT (part)  
 Avon town, CT  
 Berlin town, CT  
 Bloomfield town, CT  
 Bristol city, CT  
 Burlington town, CT  
 Canton town, CT  
 East Granby town, CT  
 East Hartford town, CT  
 East Windsor town, CT  
 Enfield town, CT  
 Farmington town, CT  
 Glastonbury town, CT  
 Granby town, CT  
 Hartford city, CT  
 Manchester town, CT  
 Marlborough town, CT  
 New Britain city, CT  
 Newington town, CT  
 Plainville town, CT  
 Rocky Hill town, CT  
 Simsbury town, CT  
 Southington town, CT  
 South Windsor town, CT  
 Suffield town, CT  
 West Hartford town, CT  
 Wethersfield town, CT  
 Windsor town, CT  
 Windsor Locks town, CT

Litchfield County, CT (part)  
 Barkhamsted town, CT  
 Harwinton town, CT  
 New Hartford town, CT  
 Plymouth town, CT  
 Winchester town, CT

Middlesex County, CT (part)  
 Cromwell town, CT  
 Durham town, CT  
 East Haddam town, CT  
 East Hampton town, CT  
 Haddam town, CT  
 Middlefield town, CT  
 Middletown city, CT  
 Portland town, CT

New London County, CT (part)  
 Colchester town, CT  
 Lebanon town, CT

Tolland County, CT (part)  
 Andover town, CT  
 Bolton town, CT  
 Columbia town, CT  
 Coventry town, CT  
 Ellington town, CT  
 Hebron town, CT  
 Mansfield town, CT  
 Somers town, CT  
 Stafford town, CT  
 Tolland town, CT  
 Vernon town, CT  
 Willington town, CT

Windham County, CT (part)  
 Ashford town, CT  
 Chaplin town, CT  
 Windham town, CT

**Hickory—Morganton, NC MSA**  
 Alexander County, NC  
 Burke County, NC  
 Caldwell County, NC  
 Catawba County, NC

**Honolulu, HI MSA**  
 Honolulu County, HI

**Houma, LA MSA**  
 Lafourche Parish, LA  
 Terrebonne Parish, LA

**Houston, TX PMSA—see Houston—Galveston—  
 Brazoria, 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

**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

**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

**Minneapolis-St. Paul, MN-WI MSA**

Anoka County, MN  
Carver County, MN  
Chisago County, MN  
Dakota County, MN  
Hennepin County, MN  
Isanti County, MN  
Ramsey County, MN  
Scott County, MN  
Sherburne County, MN  
Washington County, MN  
Wright County, MN  
Pierce County, WI  
St. Croix County, WI

**Mobile, AL MSA**

Baldwin County, AL  
Mobile County, AL

**Modesto, CA MSA**

Stanislaus County, CA

**Monmouth-Ocean, NJ PMSA—see New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA**

**Monroe, LA MSA**

Ouachita Parish, LA

**Montgomery, AL MSA**

Autauga County, AL  
Elmore County, AL  
Montgomery County, AL

**Muncie, IN MSA**

Delaware County, IN

**Myrtle Beach, SC MSA**

Horry County, SC

**Naples, FL MSA**

Collier County, FL

**Nashua, NH PMSA—see Boston-Worcester-Lawrence, MA-NH-ME-CT CMSA**

**Nashville, TN MSA**

Cheatham County, TN  
Davidson County, TN  
Dickson County, TN  
Robertson County, TN  
Rutherford County, TN  
Sumner County, TN  
Williamson County, TN  
Wilson County, TN

**Nassau-Suffolk, NY PMSA—see New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA**

**New Bedford, MA PMSA—see Boston-Worcester-Lawrence, MA-NH-ME-CT CMSA**

**New Haven-Meriden, CT PMSA—see New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA**

**New London-Norwich, CT-RI MSA**

Middlesex County, CT (part)  
Fenwick borough, CT  
Old Saybrook town, CT  
New London County, CT (part)  
Bozrah town, CT  
East Lyme town, CT  
Franklin town, CT  
Griswold town balance, CT  
Groton city, CT  
Groton town balance, CT

**New London-Norwich, CT-RI MSA—Con.**

New London County, CT (part)—Con.  
Groton Long Point borough, CT  
Jewett City borough, CT  
Ledyard town, CT  
Lisbon town, CT  
Montville town, CT  
New London city, CT  
North Stonington town, CT  
Norwich city, CT  
Old Lyme town, CT  
Preston town, CT  
Salem town, CT  
Sprague town, CT  
Stonington borough, CT  
Stonington town, CT  
Waterford town, CT  
Windham County, CT (part)  
Canterbury town, CT  
Plainfield town, CT  
Washington County, RI (part)  
Hopkinton town, RI  
Westerly town, RI

**New Orleans, LA MSA**

Jefferson Parish, LA  
Orleans 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, NY-NJ-CT-PA CMSA**

**New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA**

Bergen-Passaic, NJ PMSA  
Bergen County, NJ  
Passaic County, NJ  
Bridgeport, CT PMSA  
Fairfield County, CT (part)  
Bridgeport city, CT  
Easton town, CT  
Fairfield town, CT  
Monroe town, CT  
Shelton city, CT  
Stratford town, CT  
Trumbull town, CT  
New Haven County, CT (part)  
Ansonia city, CT  
Beacon Falls town, CT  
Derby city, CT  
Milford city (balance), CT  
Oxford town, CT  
Seymour town, CT  
Woodmont borough, CT  
Danbury, CT PMSA  
Fairfield County, CT (part)  
Bethel town, CT  
Brookfield town, CT  
Danbury city, CT  
New Fairfield town, CT  
Newtown borough, CT  
Newtown town, CT  
Redding town, CT  
Ridgefield town, CT  
Sherman town, CT  
Litchfield County, CT (part)  
Bridgewater town, CT  
New Milford town, CT  
Roxbury town, CT  
Washington town, CT  
Dutchess County, NY PMSA  
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  
Naukatuck borough, CT  
Prospect town, CT  
Southbury town, CT  
Waterbury city, CT  
Wolcott town, CT



**Newark, NJ PMSA—see New York–Northern New Jersey–Long Island, NY–NJ–CT–PA CMSA**

**Newburgh, NY–PA PMSA—see New York–Northern New Jersey–Long Island, NY–NJ–CT–PA CMSA**

**Norfolk–Virginia Beach–Newport News, VA–NC MSA**

Currituck County, NC  
 Gloucester County, VA  
 Isle of Wight County, VA  
 James City County, VA  
 Mathews County, VA  
 York County, VA  
 Chesapeake city, VA  
 Hampton city, VA  
 Newport News city, VA  
 Norfolk city, VA  
 Poquoson city, VA  
 Portsmouth city, VA  
 Suffolk city, VA  
 Virginia Beach city, VA  
 Williamsburg city, VA

**Oakland, CA PMSA—see San Francisco–Oakland–San Jose, CA CMSA**

**Ocala, FL MSA**

Marion County, FL

**Odessa–Midland, TX MSA**

Ector County, TX  
 Midland County, TX

**Oklahoma City, OK MSA**

Canadian County, OK  
 Cleveland County, OK  
 Logan County, OK  
 McClain County, OK  
 Oklahoma County, OK  
 Pottawatomie County, OK

**Olympia, WA PMSA—see Seattle–Tacoma–Bremerton, WA CMSA**

**Omaha, NE–IA MSA**

Pottawattamie County, IA  
 Cass County, NE  
 Douglas County, NE  
 Sarpy County, NE  
 Washington County, NE

**Orange County, CA PMSA—see Los Angeles–Riverside–Orange County, CA CMSA**

**Orlando, FL MSA**

Lake County, FL  
 Orange County, FL  
 Osceola County, FL  
 Seminole County, FL

**Owensboro, KY MSA**

Daviess County, KY

**Panama City, FL MSA**

Bay County, FL

**Parkersburg–Marietta, WV–OH MSA**

Washington County, OH  
 Wood County, WV

**Pensacola, FL MSA**

Escambia County, FL  
 Santa Rosa County, FL

**Peoria–Pekin, IL MSA**

Peoria County, IL  
 Tazewell County, IL  
 Woodford County, IL

**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

Wilmington–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**

**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**

**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 Sacramento–Yolo, 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.**  
 Hampden County, MA (part)—Con.  
 East Longmeadow town, MA  
 Hampden town, MA  
 Holyoke city, MA  
 Longmeadow town, MA  
 Ludlow town, MA  
 Monson town, MA  
 Montgomery town, MA  
 Palmer town, MA  
 Russell town, MA  
 Southwick town, MA  
 Springfield city, MA  
 Westfield city, MA  
 West Springfield town, MA  
 Wilbraham town, MA  
 Hampshire County, MA (part)  
 Amherst town, MA  
 Belchertown town, MA  
 Easthampton town, MA  
 Granby town, MA  
 Hadley town, MA  
 Hatfield town, MA  
 Huntington town, MA  
 Northampton city, MA  
 Southampton town, MA  
 South Hadley town, MA  
 Ware town, MA  
 Williamsburg town, MA
- Stamford–Norwalk, CT PMSA—see New York–Northern New Jersey–Long Island, NY–NJ–CT–PA CMSA**
- State College, PA MSA**  
 Centre County, PA
- Steubenville–Weirton, OH–WV MSA**  
 Jefferson County, OH  
 Brooke County, WV  
 Hancock County, WV
- Stockton–Lodi, CA MSA**  
 San Joaquin County, CA
- Sumter, SC MSA**  
 Sumter County, SC
- Syracuse, NY MSA**  
 Cayuga County, NY  
 Madison County, NY  
 Onondaga County, NY  
 Oswego County, NY
- Tacoma, WA PMSA—see Seattle–Tacoma–Bremerton, WA CMSA**
- Tallahassee, FL MSA**  
 Gadsden County, FL  
 Leon County, FL
- Tampa–St. Petersburg–Clearwater, FL MSA**  
 Hernando County, FL  
 Hillsborough County, FL  
 Pasco County, FL  
 Pinellas County, FL
- Terre Haute, IN MSA**  
 Clay County, IN  
 Vermillion County, IN  
 Vigo County, IN
- Texarkana, TX–Texarkana, AR MSA**  
 Miller County, AR  
 Bowie County, TX
- Toledo, OH MSA**  
 Fulton County, OH  
 Lucas County, OH  
 Wood County, OH
- Topeka, KS MSA**  
 Shawnee County, KS
- Trenton, NJ PMSA—see New York–Northern New Jersey–Long Island, NY–NJ–CT–PA CMSA**
- Tucson, AZ MSA**  
 Pima County, AZ
- Tulsa, OK MSA**  
 Creek County, OK  
 Osage County, OK  
 Rogers 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**
- Visalia–Tulare–Porterville, CA MSA**  
 Tulare County, CA
- Waco, TX MSA**  
 McLennan County, TX
- Washington, DC–MD–VA–WV PMSA—see Washington–Baltimore, DC–MD–VA–WV CMSA**
- Washington–Baltimore, DC–MD–VA–WV CMSA**  
 Baltimore, MD PMSA  
 Anne Arundel County, MD  
 Baltimore County, MD  
 Carroll County, MD  
 Harford County, MD  
 Howard County, MD  
 Queen Anne’s County, MD  
 Baltimore city, MD  
 Hagerstown, MD PMSA  
 Washington County, MD  
 Washington, DC–MD–VA–WV PMSA  
 District of Columbia, DC  
 Calvert County, MD  
 Charles County, MD  
 Frederick County, MD  
 Montgomery County, MD  
 Prince George’s County, MD  
 Arlington County, VA  
 Clarke County, VA  
 Culpeper County, VA  
 Fairfax County, VA
- Washington–Baltimore, DC–MD–VA–WV CMSA—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 (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.