

1992

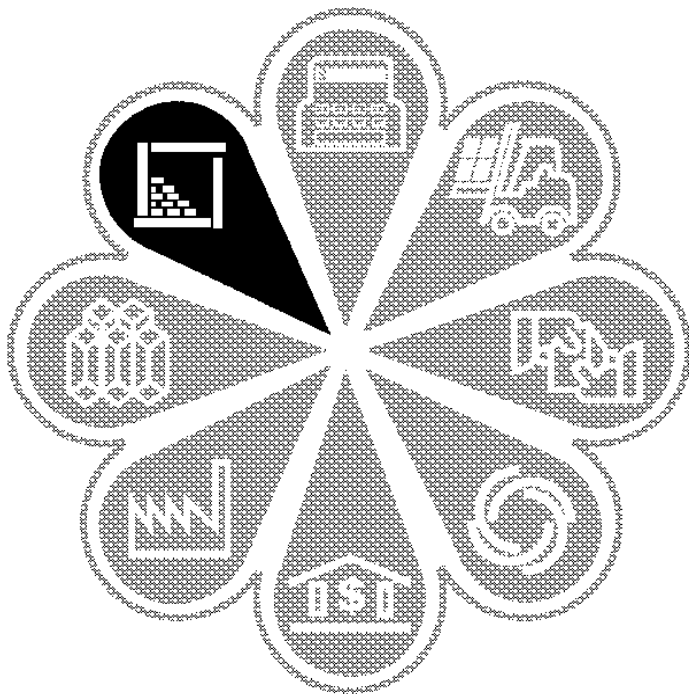
Census of Construction Industries

CC92-A-4

GEOGRAPHIC AREA SERIES

West North Central States

Iowa, Kansas, Minnesota, Missouri,
Nebraska, North Dakota, South Dakota



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.

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

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Issued May 1996



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Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the Nation's economy. It provides essential information for government, business, industry, and the general public.

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

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

State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.

Trade associations study trends in their own and competing industries and keep their members informed of market changes.

Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

AUTHORITY AND SCOPE

Title 13 of the United States Code (sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in 2 and 7. The 1992 Economic Census consists of the following eight censuses:

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

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*¹ (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.

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

General contractors in both the building and the heavy construction field usually assume responsibility for an entire construction project, but may subcontract to others all of the actual construction work or those portions of the project requiring special skills or equipment. Special trade contractors may work for general contractors, for other subcontractors, or may work directly for the owner of the property.

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

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

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

ESTABLISHMENT BASIS OF REPORTING

The census of construction industries is conducted on an establishment basis. A "construction establishment" is defined as a relatively permanent office or other place of business where the usual business activities related to construction are conducted. With some exceptions, a relatively permanent office is one which has been established for the management of more than one project or job and which is expected to be maintained on a continuing basis. Such "establishment" activities include, but are not limited to estimating, bidding, purchasing, supervising, and operation of the actual construction work being conducted

at one or more construction sites. Separate construction reports were not required for each project or construction site.

Companies with more than one construction establishment were required to submit a separate report for each establishment operated during all or any part of 1992. The census of construction industries figures represent a summary of records for individual establishments rather than for companies.

If an establishment was engaged in construction and one or more distinctly different lines of economic activity (wholesale or retail trade, service, manufacturing, mining, etc.) at the same place of business, it was requested to file a separate report for each activity, provided that the activity was of substantial size and separate records were maintained or substantially accurate estimates could be prepared.

If a separate establishment report could not be prepared for each activity, then a construction report was requested covering all activities of that establishment providing that the 1992 value of construction work exceeded the gross receipts from each of its other activities.

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

SAMPLE DESIGN, ESTIMATION PROCEDURES, AND RELIABILITY OF ESTIMATES

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

Employer Companies

Developing the sampling frame for employer companies. This operation started with obtaining a list of all construction companies in the active records of the Internal Revenue Service (IRS) which were subject to payment of Federal Insurance Contributions Act (FICA) taxes. The basic source for this list has been the Internal Revenue Service Business Master File, a comprehensive list of companies engaged in business activities in the United States. The file contains the name, address, and form of

ownership of each company and also indicates whether or not the company is subject to the FICA. Each company in this file is assigned a unique employer identification (EI) number which it uses in filing its various reports with the IRS. The Social Security Administration (SSA) maintains a similar list using the same identification numbers, which also contains information on the industrial classification of each company. The Bureau of the Census obtained both of these lists and combined them.

Under special arrangements which safeguarded the confidentiality of the information, the Bureau also obtained administrative-record data on payrolls and receipts and added these data to the combined list. The list, thus created from the IRS-SSA information, was a list of employer companies. However, for the 1992 Economic Census the basic reporting unit is the "establishment." Therefore, steps were taken to identify the individual establishments of those companies which operate more than one place of business. The information for making this determination was obtained by means of the Company Organization Survey (COS), an annual canvass of all known multiestablishment companies and large single-establishment companies. Thus, the 1992 Economic Census list for 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 ¹
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 ¹
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 ²	8				

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

¹CMSA—Consolidated metropolitan statistical area; PMSA—Primary metropolitan statistical area; MSA—Metropolitan statistical area.

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



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Iowa

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Summary of Findings

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

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

During 1992, there were 23,828 establishments in this State operating in the construction industries. These establishments accounted for \$5.7 billion in total dollar value of business done.

Most of the 23,828 construction establishments were small. Of the total, 17,121 were nonemployers, and over half of the employer establishments had less than 5 employees. The 2,564 construction establishments with 5 employees or more, while representing only 11 percent of all establishments, accounted for more than 79 percent of the total dollar value of business done.

ESTABLISHMENTS WITH PAYROLL

During 1992, the establishments with paid employees accounted for \$5.2 billion in total dollar value of business done. Of this amount, \$5.1 billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to \$1.2 billion, leaving net value of construction work of \$3.9 billion. In addition, these establishments paid out \$2.0 billion for the cost of materials, fuels, power, rental of equipment and buildings,

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

and the cost of selected purchased services. Value added for 1992 was \$2.3 billion. (See Introduction and appendixes for explanation of terms.)

There were 6,707 establishments with total employment averaging 49,212 during the year. Total payroll for 1992 was \$1.1 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 17,121 establishments with no payroll classified as construction. According to administrative records of the Federal Government, their dollar value of business done during 1992 was \$439 million. 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 

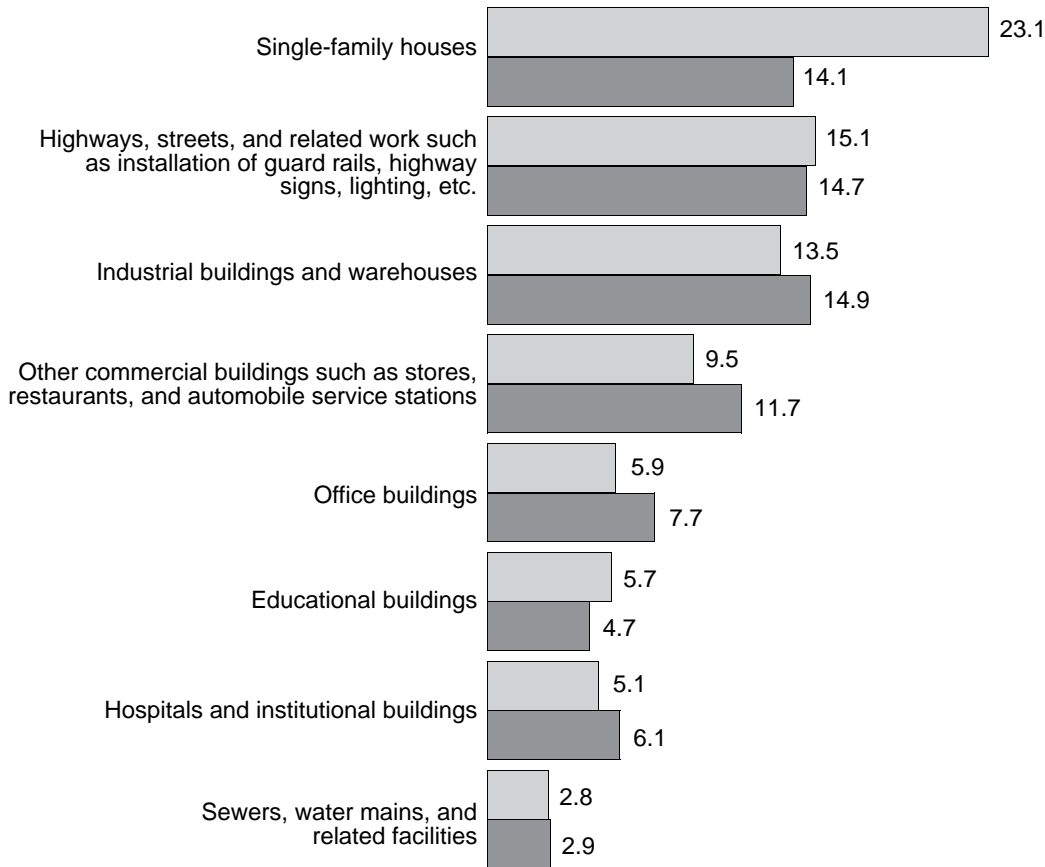




Figure 2. **Selected Costs per Dollar Value of Business Done**
(Percent)

1992 
1987 

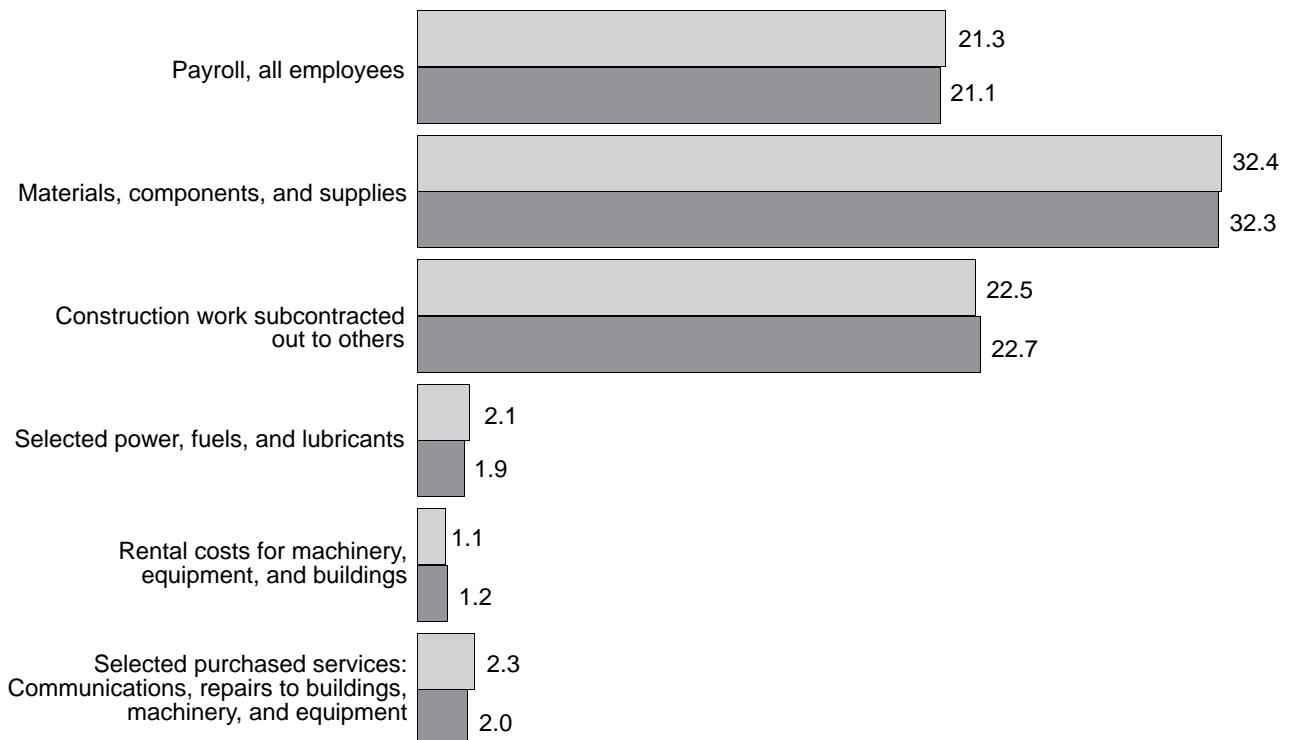


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1992 and 1987

[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 ¹	Number	Proprietors and working partners	All employees**	Dollar value of business done		
		A	B	C	D	E	F	G	H	I	J	K		
1992														
15, 16, 17	Construction industries -----	23 828	20 921	49 212	5 671 797	17 121	17 139	439 179	6 707	3 782	49 212	5 232 618	1	1
15	Building construction—General contractors and operative builders ----	4 176	3 294	12 193	2 074 216	2 294	2 248	134 298	1 882	1 046	12 193	1 939 918	2	3
16	Heavy construction other than building construction—contractors -----	965	553	8 629	1 141 814	304	286	9 668	661	267	8 629	1 132 146	2	1
17	Special trade contractors -----	18 687	17 074	28 390	2 455 766	14 523	14 605	295 213	4 164	2 469	28 390	2 160 553	1	1
1711	Plumbing, heating, and air-conditioning --	1 920	1 480	6 950	660 426	995	1 004	34 537	925	476	6 950	625 889	2	2
1731	Electrical work -----	1 514	1 190	4 349	370 183	1 007	1 004	25 008	507	186	4 349	345 175	4	2
1987														
15, 16, 17	Construction industries ² -----	23 699	19 889	37 825	4 013 077	18 389	18 195	582 160	5 310	1 694	37 825	3 430 917	1	1
15	Building construction—General contractors and operative builders ----	4 472	3 386	9 567	1 395 080	3 080	2 919	165 116	1 392	467	9 567	1 229 964	3	3
16	Heavy construction other than building construction—contractors -----	938	423	7 366	847 225	303	295	19 473	635	128	7 366	827 752	3	2
17	Special trade contractors -----	18 036	15 933	(D)	1 734 274	14 793	14 848	366 878	3 243	1 085	(D)	1 367 396	(D)	2
1711	Plumbing, heating, and air-conditioning --	1 997	1 487	5 079	438 100	1 198	1 211	53 859	799	276	5 079	384 241	3	3
1731	Electrical work -----	1 632	1 278	3 293	242 731	1 151	1 146	33 577	481	132	3 293	209 154	4	3

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

²Includes 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	Construction industries¹.....	6 707	49 212	39 249	1 115 416	831 732	5 090 157	3 913 932	2 253 520
15	Building construction—General contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses.....	1 222	4 486	3 470	74 352	55 385	485 153	365 307	177 802
1522	Other residential buildings.....	67	322	232	5 523	3 785	*52 020	18 242	18 862
1531	Operative builders.....	107	396	220	10 541	4 161	168 164	84 371	38 929
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses.....	110	1 578	1 280	38 546	29 051	190 922	132 283	62 040
1542	Nonresidential buildings, n.e.c.....	376	5 411	4 156	136 732	94 430	997 100	481 435	259 204
16	Heavy construction other than building construction—contractors:								
1611	Highway and street construction.....	158	5 031	4 301	130 529	104 682	752 552	579 143	295 600
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction.....	28	1 794	673	18 554	14 493	73 159	61 951	24 399
1623	Water, sewer, and utility lines.....	105	1 110	927	33 202	25 519	132 853	115 291	89 268
1629	Heavy construction, n.e.c.....	370	1 694	1 309	32 489	24 371	133 207	121 421	81 045
17	Special trade contractors:								
1711	Plumbing, heating, and air-conditioning.....	925	6 950	5 147	172 832	125 910	608 929	540 978	315 930
1721	Painting and paper hanging.....	362	1 509	1 324	26 071	21 427	73 411	69 025	51 306
1731	Electrical work.....	507	4 349	3 361	112 853	83 893	341 373	332 572	206 608
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework.....	254	1 734	1 540	35 526	30 402	97 531	96 018	59 290
1742	Plastering, drywall, and insulation work.....	167	1 701	1 458	38 986	30 757	101 215	91 431	59 700
1743	Terrazzo, tile, marble, and mosaic work.....	43	174	147	3 882	3 046	15 584	13 711	8 294
175	Carpentry and floor work:								
1751	Carpentry.....	568	2 127	1 805	34 325	28 879	137 770	121 411	72 562
1752	Floor laying and other floor work.....	124	352	281	6 855	4 803	26 321	25 345	14 084
1761	Roofing, siding, and sheet metal work.....	398	3 368	2 663	69 752	48 193	243 301	232 115	136 970
1771	Concrete work.....	381	2 630	2 261	59 389	44 516	218 606	205 346	116 949
1781	Water well drilling.....	36	183	130	4 122	3 046	15 146	14 416	8 692
179	Miscellaneous special trade contractors:								
1791	Structural steel erection.....	24	451	377	11 542	9 630	23 250	(D)	17 855
1793	Glass and glazing work.....	21	187	116	4 535	2 840	16 623	16 212	8 956
1794	Excavation work.....	111	601	494	12 585	9 905	57 945	54 563	38 774
1795	Wrecking and demolition work.....	*32	143	120	2 869	2 259	12 657	(D)	7 898
1796	Installing building equipment, n.e.c.....	54	663	518	16 437	12 574	50 777	46 340	36 842
1799	Special trade contractors, n.e.c.....	157	1 270	940	22 387	13 776	64 589	60 378	45 662

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	
1 802 873	1 176 225	1 194 928	59 396	115 200	1 023 397	37 825	3 341 668	1 468 040	1	1	5	15, 16, 17
198 342	119 847	23 115	3 169	9 132	36 982	2 219	183 432	70 525	5	7	17	152
5 049	*33 778	(S)	*207	202	*5 801	472	59 658	15 625	23	20	11	1522
48 965	83 792	472	229	660	4 958	519	(D)	19 912	15	12	31	1531
72 422	58 639	(S)	1 685	1 429	15 248	1 565	149 205	54 356	7	7	18	154
246 582	515 664	16 907	6 087	8 525	79 282	4 792	719 968	187 575	4	2	14	1542
												16
311 987	173 409	122 042	11 818	30 884	338 597	3 798	475 127	215 036	3	2	10	1611
41 783	11 208	7 238	482	4 126	31 919	1 019	112 782	42 378	5	5	20	162
28 739	17 562	35 081	5 351	*7 993	68 065	1 040	100 392	58 734	5	4	42	1622
45 360	11 786	17 538	2 728	7 367	62 465	1 509	115 815	64 620	10	10	23	1623
												17
242 009	67 951	267 453	7 572	12 475	83 779	5 079	369 059	185 324	2	2	13	1711
18 138	*4 386	26 892	511	1 697	13 907	1 108	47 478	36 196	8	8	24	1721
129 765	8 801	158 772	4 116	5 411	49 612	3 293	206 954	113 136	4	2	10	1731
37 110	1 512	85 794	865	2 561	27 298	1 203	54 740	35 000	6	6	20	174
34 134	9 784	76 793	1 405	(S)	10 633	1 151	68 217	38 163	6	6	(S)	1742
5 584	1 872	8 727	51	*439	1 496	237	13 133	5 432	11	11	63	1743
												175
54 340	16 359	39 885	(S)	1 420	16 598	1 049	67 038	35 049	9	9	39	1751
12 118	977	13 574	236	*622	3 242	191	11 905	8 244	10	9	60	1752
100 162	11 186	77 248	3 915	3 704	42 474	2 376	169 334	88 071	6	4	10	1761
97 787	13 260	124 173	4 916	9 015	62 674	2 319	159 876	84 333	6	4	12	1771
6 096	730	691	122	804	8 402	203	14 441	5 733	11	17	30	1781
(D)	(D)	20 578	570	*927	6 223	369	15 548	14 160	4	(D)	44	179
9 304	410	7 748	254	298	2 610	226	(D)	8 381	11	13	6	1791
15 871	3 382	25 850	(S)	(S)	18 840	436	30 189	21 169	15	17	(S)	1794
(D)	(D)	1 502	107	79	1 733	*122	5 039	3 906	25	(D)	(Z)	1795
11 225	4 437	7 631	710	869	7 522	682	45 644	28 595	6	6	(Z)	1796
19 303	4 211	23 852	933	1 802	(S)	748	39 570	26 120	10	9	22	1799

CONSTRUCTION—GEOGRAPHIC AREA SERIES

IOWA IA-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	6 707	5 310	6 499	8 347	1	1	2	3
Proprietors and working partners.....	3 782	1 694	2 869	5 269	2	6	3	4
All employees**	49 212	37 825	40 894	55 979	1	1	2	1
Construction workers:								
March.....	32 254	24 096	25 433	38 154	1	2	2	1
May.....	42 072	30 578	32 650	48 864	1	1	2	1
August.....	44 409	34 549	37 925	54 858	1	1	2	1
November.....	38 261	31 202	33 801	48 664	1	1	2	1
Average.....	39 249	30 106	33 137	47 677	1	1	2	1
Other employees:								
March.....	9 904	7 708	7 648	7 906	2	2	2	2
May.....	9 958	7 627	(NA)	(NA)	1	2	(NA)	(NA)
August.....	9 995	7 770	(NA)	(NA)	2	2	(NA)	(NA)
November.....	9 994	7 780	(NA)	(NA)	2	2	(NA)	(NA)
Average.....	9 963	7 721	(NA)	(NA)	1	2	(NA)	(NA)
Payroll, all employees	1 115 416	723 405	666 558	682 118	1	1	1	1
Payroll, construction workers	831 732	546 378	504 791	547 251	1	1	1	1
Payroll, other employees	283 684	177 027	161 767	134 867	1	1	1	1
First-quarter payroll, all employees	222 902	140 514	134 334	130 073	1	1	1	1
Fringe benefits, all employees	269 225	155 406	122 048	105 966	1	1	1	1
Legally required expenditures.....	175 871	110 038	88 127	67 343	1	1	2	1
Voluntary expenditures.....	93 354	45 368	33 921	38 623	2	2	2	1
Dollar value of business done	5 232 618	3 430 917	2 741 774	2 828 733	1	1	1	1
Value of construction work	5 090 157	3 341 668	2 658 633	2 745 982	1	1	1	1
Value of construction work subcontracted in from others	1 194 928	636 933	492 676	531 316	3	3	7	(Z)
Other business receipts	142 461	76 725	63 505	82 750	4	4	4	4
Net value of construction†	3 913 932	2 564 452	2 121 572	2 254 428	1	1	1	1
Value added††	2 253 520	1 468 040	1 203 575	1 210 329	1	1	1	1
Selected costs	2 979 098	1 950 353	1 518 563	1 599 890	2	1	1	1
Materials, components, and supplies	1 694 867	1 107 053	911 196	1 051 369	2	1	2	1
Construction work subcontracted out to others	1 176 225	777 216	537 060	491 554	3	2	2	2
Selected power, fuels, and lubricants.....	108 006	66 083	70 306	56 967	2	2	2	1
Electricity.....	14 761	6 930	7 578	5 037	4	3	3	3
Natural gas.....	6 765	3 546	4 860	2 782	3	4	5	4
Gasoline and diesel fuel	79 795	50 702	53 036	42 297	2	2	2	1
On highway use.....	56 140	34 303	(NA)	(NA)	2	2	(NA)	(NA)
Off highway use.....	23 654	16 398	(NA)	(NA)	4	5	(NA)	(NA)
Other, including lubricating oils and greases.....	6 685	4 904	4 831	6 856	4	4	7	4
Rental cost for machinery, equipment, and buildings	59 396	42 038	32 790	31 341	4	4	3	2
For machinery and equipment	40 117	29 502	24 360	26 428	4	5	3	3
For buildings.....	19 279	12 536	8 429	4 914	6	4	4	3
Selected purchased services	117 770	67 618	57 989	60 321	3	3	2	2
Communication services	23 665	13 322	13 185	11 200	4	5	2	2
Repairs to buildings and other structures	6 643	3 279	3 239	2 822	7	7	5	6
Repairs to machinery and equipment	87 462	51 016	41 565	46 299	3	4	2	2
Ownership of construction projects:								
Value of construction work	5 090 157	3 341 668	2 658 633	2 745 982	1	1	1	1
Government owned	1 529 764	980 078	738 395	637 309	3	2	3	1
Federal	271 011	340 274	(NA)	(NA)	6	3	(NA)	(NA)
State and local	1 258 753	639 804	(NA)	(NA)	3	3	(NA)	(NA)
Privately owned	3 560 393	2 361 590	1 920 237	2 108 674	2	2	2	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
BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT				
Beginning-of-year gross book value of depreciable assets	941 102	637 397	4	3
Capital expenditures, other than land	115 200	66 685	5	4
New	87 017	44 807	6	4
Used	28 184	21 877	8	7
Retirements and disposition of depreciable assets	32 905	31 995	10	10
End-of-year gross book value of depreciable assets	1 023 397	672 087	3	3
Depreciation charges during year	105 503	68 889	4	4
Buildings and Other Structures, Additions, and Related Facilities				
Beginning-of-year gross book value of depreciable assets	127 298	146 702	6	6
Capital expenditures, other than land	13 726	10 341	14	8
New buildings and other structures	9 626	6 743	15	8
Used buildings and other structures	4 101	3 598	33	16
Retirements and disposition of depreciable assets	2 793	4 470	18	12
End-of-year gross book value of depreciable assets	138 232	152 574	6	6
Depreciation charges during year	9 165	10 639	6	5
Machinery and Equipment				
Beginning-of-year gross book value of depreciable assets	813 804	490 694	4	3
Capital expenditures, other than land	101 474	56 344	5	4
New machinery and equipment, including automobiles and trucks	77 391	38 064	6	4
New automobiles and trucks, intended primarily for highway use	32 122	17 913	6	6
Used machinery and equipment, including automobiles and trucks	24 083	18 279	7	8
Retirements and disposition of depreciable assets	30 113	27 525	11	11
End-of-year gross book value of depreciable assets	885 166	519 513	4	3
Depreciation charges during year	96 338	58 249	4	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)
All establishments:		
Number	6 707	1
Value of construction work	5 090 157	1
Establishments with inventories:		
Number	2 534	3
Value of construction work	2 511 333	1
Inventories ¹ :		
End of 1992, materials and supplies	73 756	5
End of 1991, materials and supplies	72 696	5
Establishments with no inventories:		
Number	2 118	3
Value of construction work	1 816 550	2
Establishments not reporting:		
Number	2 055	3
Value of construction work	762 274	3

¹Inventories 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
1992										
Number of establishments	6 707	4 143	1 421	668	325	107	39	4	—	—
All employees**	49 212	8 209	8 834	8 654	9 760	7 087	5 248	1 421	—	—
Payroll, all employees	1 115 416	117 791	158 491	195 694	251 923	200 172	160 172	31 174	—	—
Dollar value of business done	5 232 618	731 956	663 873	825 758	1 085 338	804 514	867 846	253 333	—	—
Value of construction work	5 090 157	721 260	647 314	799 249	1 049 714	780 869	860 459	231 292	—	—
Net value of construction work†	3 913 932	593 884	556 850	639 441	833 047	597 093	693 617	(D)	—	—
Value added††	2 253 520	308 122	333 755	381 118	501 826	332 816	395 882	(D)	—	—
Cost of materials, components, supplies, and fuels	1 802 873	296 457	239 654	284 832	366 844	287 922	246 004	81 159	—	—
Cost of construction work subcontracted out to others	1 176 225	127 376	90 464	159 807	216 668	183 776	398 134	(D)	—	—
Rental cost for machinery, equipment, and buildings	59 396	7 367	7 016	8 579	14 197	9 095	13 142	(D)	—	—
Capital expenditures, other than land	115 200	15 321	15 457	24 232	24 939	17 358	17 893	(D)	—	—
End-of-year gross book value of depreciable assets	1 023 397	94 899	155 456	203 456	207 041	151 429	211 116	(D)	—	—
1987										
All employees**	37 825	6 405	7 918	6 533	7 757	4 454	4 755	(D)	(D)	—
Value of construction work	3 341 668	450 655	529 662	456 962	733 665	479 115	691 607	(D)	(D)	—
Value added††	1 468 040	209 758	252 415	242 782	334 304	212 242	216 537	(D)	(D)	—
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	4	6	6	3	(Z)	(Z)	(Z)	—	—
Net value of construction work†	1	5	6	6	2	(Z)	(Z)	(D)	—	—
Capital expenditures, other than land	5	16	14	16	13	(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
1992											
Number of establishments	6 707	(S)	(S)	872	2 054	1 293	748	505	192	113	71
All employees**	49 212	(S)	(S)	1 419	6 156	6 501	6 485	7 976	6 145	6 056	7 651
Payroll, all employees	1 115 416	(S)	(S)	15 581	82 154	109 115	129 860	195 818	156 664	178 405	240 585
Dollar value of business done	5 232 618	(S)	(S)	63 492	333 238	458 166	521 715	787 038	663 669	774 721	1 606 036
Value of construction work	5 090 157	(S)	(S)	62 920	328 366	448 951	507 864	771 437	644 548	748 692	1 553 125
Net value of construction work†	3 913 932	(S)	(S)	60 222	305 104	404 918	436 813	650 333	529 880	558 560	945 540
Value added††	2 253 520	(S)	(S)	36 300	182 850	229 363	255 142	372 719	321 699	324 472	516 909
Cost of materials, components, supplies, and fuels	1 802 873	(S)	(S)	24 494	127 127	184 770	195 523	293 216	227 302	260 116	481 542
Cost of construction work subcontracted out to others	1 176 225	(S)	(S)	(S)	23 261	44 033	71 051	121 103	114 668	190 133	607 585
Rental cost for machinery, equipment, and buildings	59 396	(S)	(S)	690	4 059	5 873	6 108	8 665	8 871	7 717	17 029
Capital expenditures, other than land	115 200	(S)	(S)	(S)	10 329	13 003	11 671	23 493	15 865	12 895	26 455
End-of-year gross book value of depreciable assets	1 023 397	(S)	(S)	12 828	83 605	91 756	80 614	213 513	127 270	130 693	279 288
1987											
All employees**	37 825	(S)	(S)	(S)	5 510	4 927	5 677	5 962	4 391	3 744	5 237
Value of construction work	3 341 668	(S)	(S)	(S)	264 102	298 400	409 676	496 325	439 057	448 157	909 078
Value added††	1 468 040	(S)	(S)	(S)	141 319	153 038	207 580	250 308	205 785	190 302	275 606
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	1	(S)	(S)	9	6	7	7	4	1	1	(Z)
Net value of construction work†	1	(S)	(S)	8	6	7	7	5	3	3	(Z)
Capital expenditures, other than land	5	(S)	(S)	19	18	16	16	16	19	1	(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
1992								
Value of construction work	5 090 157	3 092 245	1 199 611	633 487	1	2	2	2
Building construction	3 633 976	2 263 583	936 833	433 560	2	2	2	3
Single-family houses	1 173 557	801 210	236 645	135 702	4	6	5	6
Single-family houses, detached	1 078 129	730 671	220 181	127 278	5	7	6	7
Single-family houses, attached, including townhouses and townhouse-type condominiums	95 428	70 540	16 465	8 424	7	8	12	9
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	126 216	76 871	31 100	18 245	8	6	27	10
Other residential buildings, including hotels, motels, and tourist cabins	49 326	29 117	14 618	5 591	12	15	18	7
Office buildings	301 265	182 180	87 943	31 142	2	2	4	5
Other commercial buildings such as stores, restaurants, and automobile service stations	484 160	300 148	129 943	54 068	2	2	4	4
Industrial buildings and warehouses	687 252	381 729	185 710	119 813	2	2	3	4
Industrial buildings	550 724	284 286	158 981	107 456	2	3	2	4
Warehouses	136 529	97 443	26 729	12 357	4	4	10	10
Religious buildings	54 688	29 764	15 322	9 603	9	14	8	11
Educational buildings	290 981	172 938	94 984	23 059	2	2	3	6
Hospitals and institutional buildings	260 574	138 909	107 387	14 277	3	5	5	7
Farm buildings, nonresidential	113 704	83 369	14 894	15 441	7	9	13	9
Amusement, social, and recreational buildings, indoors	40 218	33 112	4 111	2 995	3	2	9	18
Other nonresidential buildings	52 035	34 234	14 176	3 625	15	12	26	28
Nonbuilding construction	1 291 368	828 662	262 778	199 928	1	2	4	5
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	766 360	446 279	185 610	134 471	1	2	3	7
Private driveways and parking areas	57 048	40 933	8 969	(S)	10	8	20	(S)
Bridges, tunnels, and elevated highways	80 589	65 643	8 155	6 791	5	6	17	2
Conservation and development construction	59 349	40 839	(S)	6 254	13	14	(S)	24
Power and communication transmission lines, towers, and related facilities	44 558	36 597	3 995	3 966	9	11	9	10
Sewers, water mains, and related facilities	143 494	113 859	15 251	14 384	5	5	14	9
Sewers, sewer lines, septic systems, and related facilities	79 747	62 290	8 885	8 572	5	5	15	7
Water mains and related facilities	63 747	51 569	6 366	5 813	6	6	15	18
Other nonbuilding construction	139 970	84 512	28 542	26 916	5	5	14	13
Construction work, n.s.k.	164 814	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
1987								
Value of construction work	3 341 668	1 994 555	775 548	479 348	1	2	2	3
Building construction	2 309 218	1 427 705	585 882	294 482	2	2	2	4
Single-family houses	470 344	285 336	92 858	92 149	6	9	7	9
Single-family houses, detached	430 505	257 680	86 770	86 055	6	10	7	9
Single-family houses, attached, including townhouses and townhouse-type condominiums	39 838	27 656	6 087	6 094	15	19	23	25
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	84 187	59 285	12 119	12 781	9	11	10	9
Other residential buildings, including hotels, motels, and tourist cabins	86 919	52 071	25 358	9 489	5	4	13	10
Office buildings	258 565	163 606	70 072	24 886	2	2	5	4
Other commercial buildings such as stores, restaurants, and automobile service stations	391 308	238 686	123 600	29 022	3	4	4	7
Industrial buildings and warehouses	496 901	299 314	127 159	70 428	2	2	4	6
Industrial buildings	378 965	211 339	108 817	58 808	2	2	4	7
Warehouses	117 936	87 974	18 342	11 620	5	6	10	11
Religious buildings	32 976	15 262	11 541	6 172	6	10	7	13
Educational buildings	158 111	87 844	52 610	17 656	5	5	11	7
Hospitals and institutional buildings	204 993	143 469	51 194	10 329	3	3	7	10
Farm buildings, nonresidential	82 875	58 537	9 577	14 760	8	10	15	14
Other nonresidential buildings	42 039	24 965	9 794	7 289	13	20	3	10
Nonbuilding construction	940 232	566 179	189 665	184 387	2	2	4	6
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	492 295	260 505	125 015	106 774	2	3	4	6
Private driveways and parking areas	43 345	30 097	3 712	9 534	10	5	21	40
Bridges, tunnels, and elevated highways	103 188	76 731	19 891	6 564	3	4	2	2
Conservation and development construction	37 083	24 872	4 449	* 7 762	18	19	38	42
Power and communication transmission lines, towers, and related facilities	16 169	12 868	2 004	1 296	24	22	33	40
Sewers, water mains, and related facilities	98 008	78 147	9 986	9 874	8	8	22	23
Sewers, sewer lines, septic systems, and related facilities	56 157	45 076	7 004	4 076	10	11	18	19
Water mains and related facilities	41 851	33 071	2 981	5 798	10	10	33	35
Other nonbuilding construction	150 144	82 959	24 608	42 583	(NA)	(NA)	(NA)	(NA)
Construction work, n.s.k.	92 217	(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 ¹				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
15, 16, 17	Construction industries -----	6 707	39 249	32 254	42 072	44 409	38 261	1	1	1	1	1	1	1
15	Building construction—General contractors and operative builders:													
152	General contractors, residential buildings:													
1521	Single-family houses -----	1 222	3 470	3 018	3 503	3 989	3 371	4	6	6	6	6	6	6
1522	Other residential buildings -----	67	232	207	264	240	216	25	23	21	27	22	28	
1531	Operative builders -----	107	220	195	237	251	196	19	23	22	24	21	20	
154	General contractors, nonresidential buildings:													
1541	Industrial buildings and warehouses -----	110	1 280	1 178	1 216	1 362	1 364	16	7	6	6	7	8	
1542	Nonresidential buildings, n.e.c. ---	376	4 156	3 669	4 172	4 620	4 163	9	4	4	4	4	4	
16	Heavy construction other than building construction—contractors:													
1611	Highway and street construction ----	158	4 301	1 909	6 260	5 301	3 735	10	3	3	2	3	3	
162	Heavy construction, except highway:													
1622	Bridge, tunnel, and elevated highway construction -----	28	673	492	716	762	723	16	5	8	6	5	5	
1623	Water, sewer, and utility lines -----	105	927	583	1 032	1 166	925	13	5	8	5	4	6	
1629	Heavy construction, n.e.c. -----	370	1 309	1 079	1 499	1 414	1 244	7	11	11	11	12	12	
17	Special trade contractors:													
1711	Plumbing, heating, and air-conditioning -----	925	5 147	4 812	5 349	5 342	5 085	3	2	2	2	2	2	
1721	Painting and paper hanging -----	362	1 324	1 171	1 353	1 561	1 214	5	8	10	8	7	9	
1731	Electrical work -----	507	3 361	3 286	3 289	3 588	3 280	5	4	4	4	4	3	
174	Masonry, stonework, tile setting, and plastering:													
1741	Masonry, stone setting, and other stonework -----	254	1 540	1 343	1 383	1 872	1 562	7	6	7	7	7	7	
1742	Plastering, drywall, and insulation work -----	167	1 458	1 313	1 444	1 602	1 472	10	6	6	6	6	6	
1743	Terrazzo, tile, marble, and mosaic work -----	43	147	137	147	149	156	25	13	13	12	14	12	
175	Carpentry and floor work:													
1751	Carpentry -----	568	1 805	1 673	1 927	1 932	1 689	6	9	9	11	8	10	
1752	Floor laying and other floor work --	124	281	297	294	297	237	12	11	11	11	12	11	
1761	Roofing, siding, and sheet metal work -----	398	2 663	2 233	2 639	3 106	2 673	7	6	6	6	6	7	
1771	Concrete work -----	381	2 261	1 432	2 590	2 782	2 239	6	6	7	7	6	6	
1781	Water well drilling -----	36	130	133	133	132	121	16	12	11	11	11	11	
179	Miscellaneous special trade contractors:													
1791	Structural steel erection -----	24	377	369	349	383	408	20	5	(Z)	3	10	4	
1793	Glass and glazing work -----	21	116	115	116	112	123	18	14	14	14	15	16	
1794	Excavation work -----	111	494	320	537	590	530	16	16	17	15	16	18	
1795	Wrecking and demolition work -----	*32	120	91	152	138	97	40	25	29	26	25	31	
1796	Installing building equipment, n.e.c. -----	54	518	444	480	593	555	6	6	6	5	8	4	
1799	Special trade contractors, n.e.c. ---	157	940	757	992	1 125	884	13	10	9	10	11	11	

¹Construction 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
15, 16, 17	Construction industries -----	7.3	22.7	129.7	.219	.354	.231	.235	.012
15	Building construction—General contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	3.7	16.6	139.8	.153	.409	.247	.048	.007
1522	Other residential buildings -----	4.8	17.2	224.2	.106	*.097	.649	(S)	*.004
1531	Operative builders -----	3.7	26.6	764.4	.063	.291	.498	.003	.001
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	14.3	24.4	149.2	.202	.379	.307	(S)	.009
1542	Nonresidential buildings, n.e.c. -----	14.4	25.3	239.9	.137	.247	.517	.017	.006
16	Heavy construction other than building construction—contractors:								
1611	Highway and street construction -----	31.9	25.9	175.0	.173	.415	.230	.162	.016
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	28.0	23.4	108.7	.254	.571	.153	.099	.007
1623	Water, sewer, and utility lines -----	10.5	29.9	143.3	.250	.216	.132	.264	.040
1629	Heavy construction, n.e.c. -----	4.6	19.2	101.8	.244	.341	.088	.132	.020
17	Special trade contractors:								
1711	Plumbing, heating, and air-conditioning -----	7.5	24.9	118.3	.284	.397	.112	.439	.012
1721	Painting and paper hanging -----	4.2	17.3	55.4	.355	.247	*.060	.366	.007
1731	Electrical work -----	8.6	25.9	101.6	.331	.380	.026	.465	.012
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework -----	6.8	20.5	63.3	.364	.380	.016	.880	.009
1742	Plastering, drywall, and insulation work -----	10.2	22.9	69.4	.385	.337	.097	.759	.014
1743	Terrazzo, tile, marble, and mosaic work -----	4.0	22.3	106.0	.249	.358	.120	.560	.003
175	Carpentry and floor work:								
1751	Carpentry -----	3.7	16.1	76.3	.249	.394	.119	.290	(S)
1752	Floor laying and other floor work -----	2.8	19.5	93.7	.260	.460	.037	.516	.009
1761	Roofing, siding, and sheet metal work -----	8.5	20.7	91.4	.287	.412	.046	.317	.016
1771	Concrete work -----	6.9	22.6	96.7	.272	.447	.061	.568	.022
1781	Water well drilling -----	5.1	22.5	116.5	.272	.402	.048	.046	.008
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	19.0	25.6	61.7	.496	(D)	(D)	.885	.025
1793	Glass and glazing work -----	8.9	24.3	143.3	.273	.560	.025	.466	.015
1794	Excavation work -----	5.4	20.9	117.3	.217	.274	.058	.446	(S)
1795	Wrecking and demolition work -----	4.5	20.1	105.5	.227	(D)	(D)	.119	.008
1796	Installing building equipment, n.e.c. -----	12.4	24.8	98.0	.324	.221	.087	.150	.014
1799	Special trade contractors, n.e.c. -----	8.1	17.6	68.7	.347	.299	.065	.369	.014

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
OMAHA, NE-IA MSA												
15,16,17	Construction industries -----	1 793	14 711	354 345	1 933 644	1 465 442	809 972	683 552	468 202	29 574	2	2
15	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses -----	(S)	877	15 245	87 468	(D)	33 086	33 441	(D)	1 121	10	(D)
1522	Other residential buildings -----	(S)	(S)	2 979	15 572	8 611	6 787	1 825	6 961	371	(S)	22
1531	Operative builders -----	68	368	10 985	184 465	116 770	50 713	68 489	67 694	812	15	10
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses -----	37	501	17 606	127 666	81 492	39 920	42 338	46 175	1 426	10	4
1542	Nonresidential buildings, n.e.c. -----	107	1 051	23 730	182 799	80 154	35 103	47 911	102 645	1 752	9	8
16	Heavy construction other than building construction—contractors:											
1611	Highway and street construction -----	38	1 146	31 217	176 821	140 376	72 430	68 151	36 444	5 237	10	14
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 -----	52	745	22 116	140 374	115 553	30 053	86 563	24 821	1 705	11	7
1629	Heavy construction, n.e.c. -----	50	602	20 963	(D)	(D)	(D)	(D)	(D)	3 290	7	(D)
17	Special trade contractors:											
1711	Plumbing, heating, and air-conditioning -----	246	2 263	60 536	209 697	189 238	105 263	85 395	20 459	4 516	4	2
1721	Painting and paper hanging -----	124	718	12 540	34 215	32 152	24 074	8 113	2 063	*1 722	10	9
1731	Electrical work -----	136	1 232	32 837	96 211	94 154	56 863	38 604	2 056	1 099	4	4
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work -----	84	630	11 227	34 760	27 597	20 396	10 532	*7 163	696	12	8
1742	Plastering, drywall, and insulation work -----	(S)	660	14 992	51 619	45 671	29 978	16 706	5 948	(S)	11	7
1743	Terrazzo, tile, marble, and mosaic work -----	14	56	(D)	4 156	4 156	2 850	1 397	—	56	10	9
175	Carpentry and floor work:											
1751	Carpentry -----	158	804	14 858	46 611	41 184	26 070	19 505	5 427	505	13	13
1752	Floor laying and other floor work -----	36	202	3 172	21 816	18 800	8 963	*9 890	*3 017	(S)	16	33
1761	Roofing, siding, and sheet metal work -----	48	674	13 093	48 667	43 877	23 214	20 811	4 790	191	9	4
1771	Concrete work -----	78	491	9 372	32 792	29 508	15 923	13 591	3 284	403	20	13
1781	Water well drilling -----	8	(D)	2 877	8 686	(D)	4 894	3 601	(D)	155	(D)	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	*18	186	4 828	9 735	(D)	(D)	(S)	(D)	(D)	23	(D)
1793	Glass and glazing work -----	(S)	108	1 991	7 906	7 813	4 206	3 911	93	161	2	3
1794	Excavation work -----	50	332	8 268	26 372	25 178	20 543	4 927	1 194	2 495	17	17
1795	Wrecking and demolition work -----	5	104	2 292	6 369	(D)	4 519	1 507	(D)	(D)	(Z)	(D)
1796	Installing building equipment, n.e.c. -----	9	261	6 105	15 859	15 616	11 826	3 868	243	(D)	(Z)	(Z)
1799	Special trade contractors, n.e.c. -----	72	471	8 298	(D)	(D)	16 090	(D)	(D)	528	15	(D)

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Statistics for Establishments With Payroll

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Summary of Findings

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

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

During 1992, there were 19,259 establishments in this State operating in the construction industries. These establishments accounted for \$5.7 billion in total dollar value of business done.

Most of the 19,259 construction establishments were small. Of the total, 13,319 were nonemployers, and over half of the employer establishments had less than 5 employees. The 2,441 construction establishments with 5 employees or more, while representing only 13 percent of all establishments, accounted for more than 80 percent of the total dollar value of business done.

ESTABLISHMENTS WITH PAYROLL

During 1992, the establishments with paid employees accounted for \$5.4 billion in total dollar value of business done. Of this amount, \$5.3 billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to \$1.3 billion, leaving net value of construction work of \$3.9 billion. In addition, these establishments paid out \$2.0 billion for the cost of materials, fuels, power, rental of equipment and buildings,

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

and the cost of selected purchased services. Value added for 1992 was \$2.2 billion. (See Introduction and appendixes for explanation of terms.)

There were 5,940 establishments with total employment averaging 47,936 during the year. Total payroll for 1992 was \$1.1 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 13,319 establishments with no payroll classified as construction. According to administrative records of the Federal Government, their dollar value of business done during 1992 was \$360 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 

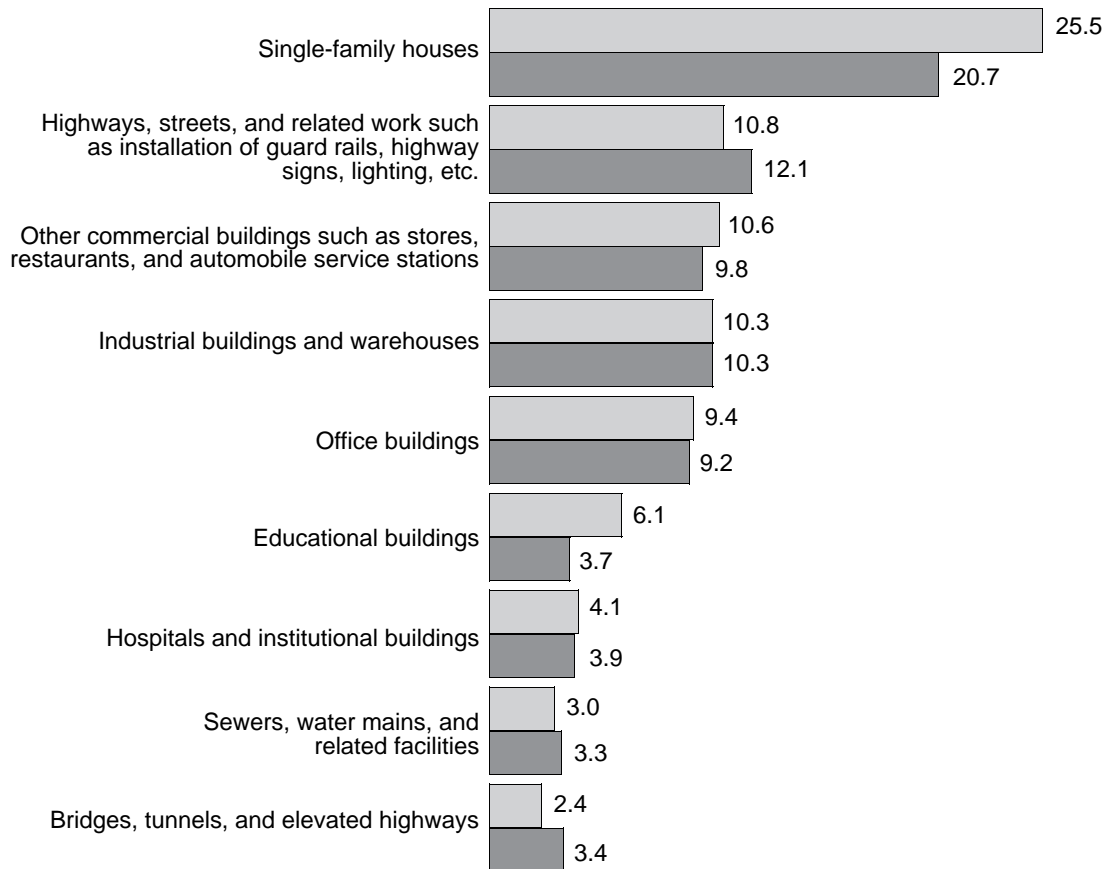




Figure 2. **Selected Costs per Dollar Value of Business Done**
(Percent)

1992 
1987 

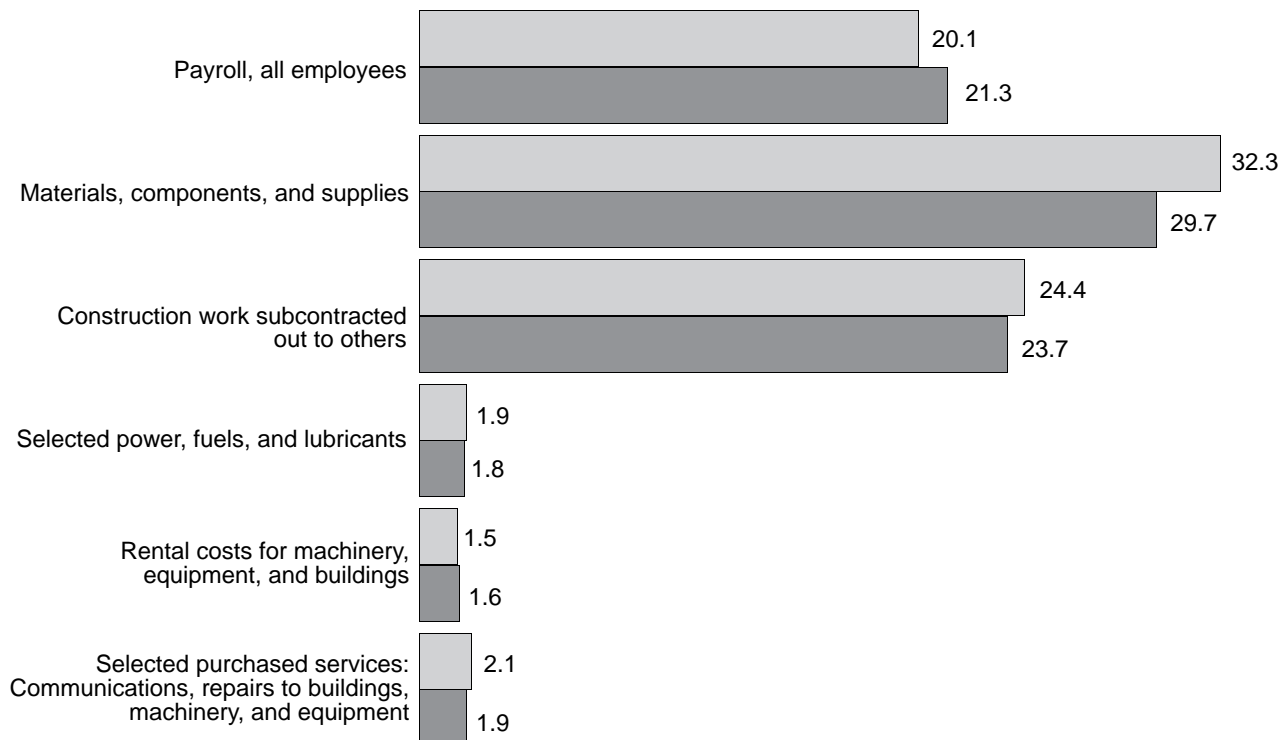


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1992 and 1987

[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—		
		Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done ¹	Number	Proprietors and working partners	All employees**	Dollar value of business done			
		A	B	C	D	E	F	G	H	I	J	K			J
1992															
15, 16, 17	Construction industries -----	19 259	16 355	47 936	5 740 045	13 319	13 271	359 523	5 940	3 084	47 936	5 380 522	1	2	
15	Building construction—General contractors and operative builders ----	3 376	2 509	11 171	2 442 541	1 828	1 745	132 369	1 548	764	11 171	2 310 172	3	4	
16	Heavy construction other than building construction—contractors -----	943	586	10 733	1 156 402	309	304	11 038	634	282	10 733	1 145 364	2	1	
17	Special trade contractors -----	14 939	13 260	26 032	2 141 102	11 182	11 222	216 116	3 757	2 038	26 032	1 924 986	1	2	
1711	Plumbing, heating, and air-conditioning --	1 839	1 367	6 472	629 681	954	958	26 326	885	409	6 472	603 355	3	4	
1731	Electrical work -----	1 140	861	3 687	309 645	695	693	15 021	445	168	3 687	294 624	3	3	
1987															
15, 16, 17	Construction industries ² -----	22 547	18 842	46 042	5 192 132	16 940	16 843	716 924	5 607	1 999	46 042	4 475 208	1	2	
15	Building construction—General contractors and operative builders ----	4 678	3 464	10 652	1 934 239	3 108	2 947	241 799	1 570	517	10 652	1 692 440	2	3	
16	Heavy construction other than building construction—contractors -----	863	486	9 493	1 079 379	318	310	17 224	545	176	9 493	1 062 155	2	1	
17	Special trade contractors -----	16 620	14 532	25 826	2 007 609	13 158	13 242	346 894	3 462	1 290	25 826	1 660 715	1	1	
1711	Plumbing, heating, and air-conditioning --	2 106	1 525	5 811	461 149	1 259	1 277	48 796	847	248	5 811	412 353	3	3	
1731	Electrical work -----	1 258	954	4 527	335 714	833	828	21 700	425	126	4 527	314 014	3	2	

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

²Includes 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	Construction industries¹	5 940	47 936	37 687	1 083 919	777 922	5 255 201	3 943 754	2 231 420
15	Building construction—General contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses	909	3 733	2 767	64 758	40 864	492 520	338 539	149 907
1522	Other residential buildings	53	560	481	12 966	9 114	64 641	41 628	20 875
1531	Operative builders	138	654	350	14 145	5 339	321 368	208 392	82 966
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	88	1 081	824	26 963	18 874	148 720	98 758	47 124
1542	Nonresidential buildings, n.e.c.	361	5 143	3 747	124 735	78 280	1 256 030	610 594	321 846
16	Heavy construction other than building construction—contractors:								
1611	Highway and street construction	135	4 244	3 484	102 295	74 510	486 382	375 575	216 885
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	18	918	805	23 629	19 039	106 140	81 227	41 804
1623	Water, sewer, and utility lines	202	3 075	2 547	79 274	61 326	267 873	237 708	171 826
1629	Heavy construction, n.e.c.	279	2 496	2 023	57 332	44 812	227 323	194 817	124 599
17	Special trade contractors:								
1711	Plumbing, heating, and air-conditioning	885	6 472	4 621	159 923	110 401	595 627	543 310	300 620
1721	Painting and paper hanging	312	1 334	1 171	23 698	19 227	63 385	60 301	44 627
1731	Electrical work	445	3 687	2 896	93 028	68 818	286 628	273 160	156 621
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	192	1 155	1 059	21 551	18 424	56 431	(D)	35 710
1742	Plastering, drywall, and insulation work	164	1 647	1 398	38 156	30 326	100 386	92 855	59 013
1743	Terrazzo, tile, marble, and mosaic work	28	179	157	4 148	3 155	12 841	12 751	7 547
175	Carpentry and floor work:								
1751	Carpentry	365	1 302	1 101	20 432	16 172	81 785	74 065	42 605
1752	Floor laying and other floor work	124	505	409	11 066	7 909	41 678	39 543	21 871
1761	Roofing, siding, and sheet metal work	376	3 084	2 444	58 733	42 116	208 000	196 348	119 461
1771	Concrete work	343	2 738	2 269	51 134	37 616	173 495	164 681	89 127
1781	Water well drilling	38	172	130	4 566	3 337	14 431	14 027	8 645
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	22	532	456	12 995	10 671	33 257	(D)	22 693
1793	Glass and glazing work	35	267	166	6 163	3 890	19 734	19 590	10 279
1794	Excavation work	81	433	358	10 745	7 841	36 220	32 269	23 073
1795	Wrecking and demolition work	13	55	48	775	599	3 546	3 325	2 717
1796	Installing building equipment, n.e.c.	64	1 132	916	31 937	24 272	79 920	(D)	61 461
1799	Special trade contractors, n.e.c.	270	1 339	1 060	28 773	20 990	76 837	70 552	47 517

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††	B	G	M	
I	J	K	L	M	N	O	P	Q				
1 837 656	1 311 447	1 226 873	81 892	114 434	941 220	46 042	4 291 125	1 958 207	1	2	4	15, 16, 17
												15
193 589	153 981	17 364	2 931	4 794	34 240	3 038	279 739	109 974	7	14	28	152
21 133	23 013	(S)	482	621	(S)	460	86 522	13 296	9	12	32	1522
130 847	112 976	3 269	607	* 1 796	* 13 511	(D)	(D)	48 985	17	20	59	1531
55 306	49 962	12 403	2 415	1 469	14 189	1 248	163 750	48 113	7	5	19	154
301 212	645 436	93 802	17 383	10 883	82 911	5 236	861 120	244 720	4	3	20	1542
												16
203 048	110 807	112 293	11 919	34 545	269 217	4 497	603 805	284 318	3	3	6	1611
43 811	24 914	19 259	1 793	2 684	38 955	1 040	103 921	46 431	4	6	5	162
70 804	30 165	48 088	9 569	13 723	93 112	1 904	156 902	82 979	4	3	7	1622
74 194	32 507	37 498	6 867	12 030	112 069	2 052	156 988	90 111	4	3	16	1623
												1629
												17
250 417	52 318	255 009	7 536	7 591	65 034	5 811	402 292	230 056	3	4	10	1711
(D)	3 084	38 239	1 350	651	10 926	1 259	52 826	38 052	8	7	21	1721
124 534	13 468	156 793	3 272	3 285	38 611	4 527	309 805	189 133	3	3	13	1731
(D)	(D)	39 432	557	864	6 542	1 255	57 336	39 077	7	(D)	36	174
37 532	7 531	86 263	711	1 551	8 555	1 759	109 759	63 993	5	5	17	1742
5 231	90	3 933	* 25	64	620	86	6 656	(D)	27	23	5	1743
												175
31 697	7 720	40 798	957	1 614	9 493	1 430	64 190	37 731	8	10	15	1751
18 653	2 135	26 761	383	418	2 143	301	27 174	11 141	8	5	7	1752
82 090	11 652	42 850	2 779	3 912	26 892	2 396	141 281	79 963	7	6	19	1761
77 460	8 814	99 950	5 712	5 602	49 148	2 386	174 651	101 367	7	7	19	1771
5 519	404	* 442	146	(S)	6 429	121	9 573	5 170	20	15	(S)	1781
												179
11 276	(D)	28 065	916	* 755	5 089	500	31 665	24 090	6	(D)	46	1791
11 030	144	15 061	308	* 175	2 089	463	29 613	17 435	7	7	59	1793
9 237	3 951	20 281	693	2 276	27 088	987	76 807	53 004	15	13	34	1794
17 788	221	836	54	(D)	2 024	(D)	(D)	(D)	8	5	(D)	1795
17 930	(D)	4 096	1 180	1 378	7 585	1 183	68 578	45 326	5	(D)	26	1796
25 819	6 286	24 041	1 347	1 511	7 589	1 270	51 521	32 822	9	9	22	1799

CONSTRUCTION—GEOGRAPHIC AREA SERIES

KANSAS KS-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	5 940	5 607	5 453	6 307	1	1	3	3
Proprietors and working partners	3 084	1 999	2 432	4 269	2	5	4	5
All employees**	47 936	46 042	42 414	52 582	1	1	1	1
Construction workers:								
March	34 107	32 701	31 704	42 044	1	1	2	1
May	37 903	37 539	35 206	47 241	1	1	2	2
August	42 057	40 579	37 019	49 075	1	1	2	2
November	36 680	36 502	33 847	42 913	1	1	2	1
Average	37 687	36 830	35 015	45 352	1	1	2	1
Other employees:								
March	10 197	9 047	7 349	6 794	2	2	2	2
May	10 164	9 066	(NA)	(NA)	2	2	(NA)	(NA)
August	10 440	9 379	(NA)	(NA)	2	2	(NA)	(NA)
November	10 197	9 357	(NA)	(NA)	1	2	(NA)	(NA)
Average	10 249	9 212	(NA)	(NA)	2	2	(NA)	(NA)
Payroll, all employees	1 083 919	951 720	695 505	627 580	1	1	1	1
Payroll, construction workers	777 922	701 313	536 063	509 515	1	1	1	1
Payroll, other employees	305 997	250 406	159 442	118 065	1	1	1	1
First-quarter payroll, all employees	236 558	203 837	150 140	133 945	1	1	1	1
Fringe benefits, all employees	251 284	196 804	119 961	103 362	1	1	1	1
Legally required expenditures	172 530	132 870	92 139	64 015	1	1	1	1
Voluntary expenditures	78 754	63 933	27 822	39 347	2	1	2	1
Dollar value of business done	5 380 522	4 475 208	2 952 829	2 437 942	2	2	1	1
Value of construction work	5 255 201	4 291 125	2 870 903	2 349 977	2	1	1	1
Value of construction work subcontracted in from others	1 226 873	957 331	607 457	483 395	2	3	2	2
Other business receipts	125 322	139 376	66 785	87 965	3	3	4	2
Net value of construction†	3 943 754	3 230 058	2 267 709	1 893 902	2	1	1	1
Value added††	2 231 420	1 958 207	1 315 858	1 091 896	1	1	1	1
Selected costs	3 149 102	2 472 294	1 621 830	1 326 936	2	2	1	1
Materials, components, and supplies	1 735 958	1 329 440	947 260	823 817	3	2	1	1
Construction work subcontracted out to others	1 311 447	1 061 067	603 194	456 075	3	3	2	2
Selected power, fuels, and lubricants	101 697	81 787	71 375	47 045	1	1	2	1
Electricity	12 281	9 691	7 429	4 962	3	4	3	2
Natural gas	6 975	6 427	4 958	3 723	3	3	5	6
Gasoline and diesel fuel	74 138	59 259	54 374	33 328	1	2	3	2
On highway use	46 815	37 950	(NA)	(NA)	2	2	(NA)	(NA)
Off highway use	27 322	21 308	(NA)	(NA)	2	2	(NA)	(NA)
Other, including lubricating oils and greases	8 304	6 408	4 612	5 040	3	3	4	3
Rental cost for machinery, equipment, and buildings	81 892	69 519	35 320	24 896	3	3	3	2
For machinery and equipment	60 719	51 715	26 163	19 568	4	4	3	2
For buildings	21 173	17 804	9 156	5 328	4	5	5	3
Selected purchased services	113 668	86 368	56 283	53 871	3	3	2	2
Communication services	23 290	17 212	12 210	9 262	5	4	2	4
Repairs to buildings and other structures	5 746	3 419	2 417	1 821	11	6	7	8
Repairs to machinery and equipment	84 632	65 737	41 654	42 787	3	3	2	2
Ownership of construction projects:								
Value of construction work	5 255 201	4 291 125	2 870 903	2 349 977	2	1	1	1
Government owned	1 509 534	1 123 307	790 300	570 405	2	2	3	1
Federal	337 395	335 107	(NA)	(NA)	4	3	(NA)	(NA)
State and local	1 172 139	788 200	(NA)	(NA)	2	3	(NA)	(NA)
Privately owned	3 745 666	3 167 817	2 080 603	1 779 572	4	3	2	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
BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT				
Beginning-of-year gross book value of depreciable assets	878 778	792 045	2	3
Capital expenditures, other than land	114 434	88 764	4	3
New	73 178	62 900	5	4
Used	41 256	25 863	6	6
Retirements and disposition of depreciable assets	51 992	35 211	13	6
End-of-year gross book value of depreciable assets	941 220	845 598	2	3
Depreciation charges during year	92 502	90 396	2	2
Buildings and Other Structures, Additions, and Related Facilities				
Beginning-of-year gross book value of depreciable assets	110 987	161 421	4	10
Capital expenditures, other than land	11 913	13 032	15	13
New buildings and other structures	8 997	9 212	18	17
Used buildings and other structures	2 915	3 820	20	17
Retirements and disposition of depreciable assets	5 776	4 809	11	23
End-of-year gross book value of depreciable assets	117 123	169 645	4	11
Depreciation charges during year	8 685	13 319	8	10
Machinery and Equipment				
Beginning-of-year gross book value of depreciable assets	767 791	630 623	2	2
Capital expenditures, other than land	102 522	75 731	4	3
New machinery and equipment, including automobiles and trucks	64 181	53 688	4	3
New automobiles and trucks, intended primarily for highway use	21 106	22 622	6	5
Used machinery and equipment, including automobiles and trucks	38 341	22 043	7	6
Retirements and disposition of depreciable assets	46 216	30 401	15	6
End-of-year gross book value of depreciable assets	824 097	675 953	2	2
Depreciation charges during year	83 817	77 077	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 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	5 940	1
Value of construction work	5 255 201	2
Establishments with inventories:		
Number	1 818	3
Value of construction work	2 212 431	1
Inventories¹:		
End of 1992, materials and supplies	67 428	6
End of 1991, materials and supplies	58 825	5
Establishments with no inventories:		
Number	2 138	3
Value of construction work	1 977 872	4
Establishments not reporting:		
Number	1 984	3
Value of construction work	1 064 898	4

¹Inventories 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
1992										
Number of establishments	5 940	3 499	1 345	628	331	89	37	11	—	—
All employees**	47 936	6 504	8 358	8 334	9 757	6 133	5 218	3 634	—	—
Payroll, all employees	1 083 919	98 149	149 952	173 711	254 127	174 726	144 542	88 712	—	—
Dollar value of business done	5 380 522	766 929	735 609	769 065	1 243 638	820 175	684 074	361 033	—	—
Value of construction work	5 255 201	755 185	719 870	759 074	1 221 907	797 543	661 232	340 390	—	—
Net value of construction work†	3 943 754	575 740	574 063	600 312	918 445	573 961	425 062	276 171	—	—
Value added††	2 231 420	299 046	316 486	341 866	507 151	319 759	276 275	170 837	—	—
Cost of materials, components, supplies, and fuels	1 837 656	288 438	273 316	268 436	433 025	276 834	171 629	125 977	—	—
Cost of construction work subcontracted out to others	1 311 447	179 445	145 807	158 762	303 462	223 582	236 170	64 219	—	—
Rental cost for machinery, equipment, and buildings	81 892	7 603	10 086	10 273	19 351	13 125	11 641	9 812	—	—
Capital expenditures, other than land	114 434	12 982	13 419	15 584	21 846	19 298	19 334	11 972	—	—
End-of-year gross book value of depreciable assets	941 220	79 775	120 116	138 169	187 505	195 823	155 525	64 307	—	—
1987										
All employees**	46 042	6 239	8 160	8 050	10 541	6 536	5 081	1 433	(D)	—
Value of construction work	4 291 125	557 417	545 607	620 466	1 032 508	702 263	577 786	255 076	(D)	—
Value added††	1 958 207	229 854	252 239	307 050	467 558	328 004	256 479	117 021	(D)	—
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	5	6	6	3	(Z)	(Z)	(Z)	—	—
Net value of construction work†	2	8	7	9	2	(Z)	(Z)	(Z)	—	—
Capital expenditures, other than land	4	16	20	16	2	(Z)	(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 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
1992											
Number of establishments	5 940	(S)	(S)	867	1 558	1 028	693	475	262	113	81
All employees**	47 936	(S)	(S)	1 481	4 916	5 775	6 114	7 129	6 350	5 470	9 939
Payroll, all employees	1 083 919	(S)	(S)	15 637	67 283	99 099	116 088	170 729	169 820	157 552	281 656
Dollar value of business done	5 380 522	(S)	(S)	62 946	245 814	365 682	476 580	733 667	873 589	797 608	1 804 472
Value of construction work	5 255 201	(S)	(S)	61 380	241 603	358 124	467 264	717 900	854 209	782 714	1 751 948
Net value of construction work†	3 943 754	(S)	(S)	57 949	224 462	322 967	405 218	581 597	627 842	576 235	1 128 582
Value added††	2 231 420	(S)	(S)	36 861	137 655	190 835	233 514	331 883	363 833	290 650	634 230
Cost of materials, components, supplies, and fuels	1 837 656	(S)	(S)	22 654	91 017	139 690	181 020	265 480	283 390	300 480	546 875
Cost of construction work subcontracted out to others	1 311 447	(S)	(S)	3 431	17 141	35 157	62 046	136 303	226 367	206 479	623 366
Rental cost for machinery, equipment, and buildings	81 892	(S)	(S)	(S)	4 467	8 165	6 407	10 253	9 145	9 470	33 196
Capital expenditures, other than land	114 434	(S)	(S)	1 170	8 337	10 635	9 291	12 779	15 186	20 193	36 278
End-of-year gross book value of depreciable assets	941 220	(S)	(S)	(S)	47 054	87 369	70 548	108 746	156 437	158 965	298 040
1987											
All employees**	46 042	(S)	(S)	(S)	5 463	5 824	5 172	7 885	5 920	6 073	6 633
Value of construction work	4 291 125	(S)	(S)	(S)	240 151	310 621	367 134	765 366	604 216	695 075	1 221 821
Value added††	1 958 207	(S)	(S)	(S)	137 357	176 635	191 793	332 702	302 335	309 163	458 506
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	1	(S)	(S)	10	7	7	7	5	3	3	(Z)
Net value of construction work†	2	(S)	(S)	8	6	7	7	6	6	9	1
Capital expenditures, other than land	4	(S)	(S)	27	17	20	23	15	9	5	(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
1992								
Value of construction work	5 255 201	3 244 695	1 146 993	718 647	2	3	2	2
Building construction	3 786 562	2 511 028	838 883	436 651	3	4	3	3
Single-family houses	1 341 785	979 101	208 559	154 124	7	9	7	7
Single-family houses, detached	1 228 740	898 197	193 340	137 203	7	10	7	7
Single-family houses, attached, including townhouses and townhouse-type condominiums	113 045	80 905	15 219	16 921	8	10	12	15
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	87 070	46 705	24 378	15 986	9	16	6	14
Other residential buildings, including hotels, motels, and tourist cabins	36 414	12 437	19 752	4 225	4	7	5	10
Office buildings	492 781	350 777	100 494	41 510	2	2	7	12
Other commercial buildings such as stores, restaurants, and automobile service stations	556 148	358 700	138 679	58 769	5	5	10	8
Industrial buildings and warehouses	539 964	292 307	153 929	93 728	2	3	3	5
Industrial buildings	430 637	225 467	130 931	74 239	2	3	3	5
Warehouses	109 327	66 840	22 998	19 489	4	5	6	11
Religious buildings	55 141	29 671	16 149	9 321	5	7	9	7
Educational buildings	318 044	214 105	78 600	25 339	3	5	6	7
Hospitals and institutional buildings	215 696	134 501	60 913	20 283	3	4	5	5
Farm buildings, nonresidential	36 476	24 546	4 993	6 937	14	12	23	31
Amusement, social, and recreational buildings, indoors	42 595	25 901	15 082	1 612	12	13	25	24
Other nonresidential buildings	64 449	42 276	17 356	(S)	12	11	32	(S)
Nonbuilding construction	1 323 774	733 668	308 110	281 996	1	2	3	2
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	566 056	263 346	157 947	144 763	2	3	3	2
Private driveways and parking areas	30 299	19 246	6 789	4 264	19	17	39	28
Bridges, tunnels, and elevated highways	123 902	69 187	40 639	14 076	3	4	2	3
Conservation and development construction	62 551	41 441	13 929	7 181	9	10	30	7
Power and communication transmission lines, towers, and related facilities	75 545	41 954	18 558	15 033	9	14	3	16
Sewers, water mains, and related facilities	157 186	133 355	13 216	10 615	4	5	12	10
Sewers, sewer lines, septic systems, and related facilities	95 826	84 414	6 164	5 247	4	4	23	17
Water mains and related facilities	61 360	48 940	7 052	5 368	8	8	10	8
Pipeline construction other than sewer or water lines	96 260	48 056	23 056	25 148	3	5	3	2
Blast furnaces, petroleum refineries, chemical complexes, etc.	55 263	13 975	10 210	31 078	4	7	6	2
Sewage treatment and water treatment plants	64 727	49 854	13 821	1 051	6	7	2	37
Sewage treatment plants	31 997	21 249	(D)	(D)	4	5	(D)	(D)
Water treatment plants	32 730	28 605	(D)	(D)	10	12	(D)	(D)
Other nonbuilding construction	91 984	53 253	9 944	28 787	6	6	13	13
Construction work, n.s.k.	144 865	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
1987								
Value of construction work	4 291 125	2 809 926	813 765	513 758	1	2	2	2
Building construction	2 890 285	1 958 582	583 165	334 674	2	3	3	4
Single-family houses	890 121	639 785	126 739	123 596	6	8	7	7
Single-family houses, detached	794 751	565 722	115 802	113 226	6	9	8	8
Single-family houses, attached, including townhouses and townhouse-type condominiums	95 369	74 062	10 936	10 369	13	16	18	12
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	125 555	98 898	18 114	8 542	4	4	8	12
Other residential buildings, including hotels, motels, and tourist cabins	60 535	41 238	11 123	8 173	5	6	12	10
Office buildings	395 857	278 008	90 882	26 965	3	4	4	3
Other commercial buildings such as stores, restaurants, and automobile service stations	420 715	286 021	97 060	37 632	2	3	4	6
Industrial buildings and warehouses	442 130	280 492	94 301	67 336	5	8	4	4
Industrial buildings	328 465	195 069	78 394	55 001	4	5	4	4
Warehouses	113 665	85 423	15 906	12 335	18	23	4	10
Religious buildings	128 851	101 443	19 327	8 080	2	2	4	10
Educational buildings	160 635	86 083	52 910	21 640	4	6	6	11
Hospitals and institutional buildings	167 335	91 699	57 865	17 770	4	4	9	11
Farm buildings, nonresidential	38 577	26 837	2 576	9 163	23	30	20	16
Amusement, social, and recreational buildings, indoors	19 455	11 159	3 933	4 362	10	7	14	38
Other nonresidential buildings	40 519	25 657	8 470	6 406	14	17	24	23
Nonbuilding construction	1 247 165	842 605	230 465	174 093	1	1	3	4
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	521 115	330 310	108 517	82 287	2	1	3	4
Private driveways and parking areas	41 241	28 669	8 531	4 040	7	8	7	17
Bridges, tunnels, and elevated highways	145 045	113 960	22 987	8 097	3	3	3	14
Power and communication transmission lines, towers, and related facilities	78 308	42 400	27 816	8 091	5	9	2	10
Sewers, water mains, and related facilities	141 806	107 812	15 081	18 913	6	7	9	12
Sewers, sewer lines, septic systems, and related facilities	86 224	62 163	12 284	11 777	6	4	10	18
Water mains and related facilities	55 581	45 648	2 797	7 136	12	14	18	9
Pipeline construction other than sewer or water lines	30 532	23 400	2 655	4 476	9	8	19	18
Blast furnaces, petroleum refineries, chemical complexes, etc.	17 330	3 854	5 715	7 760	13	15	7	22
Sewage treatment and water treatment plants	49 983	28 569	19 212	2 201	10	1	27	1
Sewage treatment plants	27 402	18 819	7 711	871	1	1	2	(Z)
Water treatment plants	22 580	9 750	* 11 500	1 329	23	1	45	1
Other nonbuilding construction	221 804	107 059	13 192	16 310	(NA)	(NA)	(NA)	(NA)
Construction work, n.s.k.	153 676	(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 ¹				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
15, 16, 17	Construction industries -----	5 940	37 687	34 107	37 903	42 057	36 680	1	1	1	1	1	1	1
15	Building construction—General contractors and operative builders:													
152	General contractors, residential buildings:													
1521	Single-family houses -----	909	2 767	2 682	2 790	3 017	2 579	5	8	8	8	8	8	8
1522	Other residential buildings -----	53	481	428	534	533	428	29	9	10	9	7	9	9
1531	Operative builders -----	138	350	349	368	368	317	17	22	22	20	20	23	
154	General contractors, nonresidential buildings:													
1541	Industrial buildings and warehouses -----	88	824	650	746	1 011	889	17	7	9	7	6	7	7
1542	Nonresidential buildings, n.e.c. ---	361	3 747	3 503	3 842	3 995	3 650	9	4	4	4	4	4	4
16	Heavy construction other than building construction—contractors:													
1611	Highway and street construction ----	135	3 484	2 510	3 321	5 032	3 072	13	3	3	4	3	2	
162	Heavy construction, except highway:													
1622	Bridge, tunnel, and elevated highway construction -----	18	805	700	879	879	765	13	3	3	4	2	3	3
1623	Water, sewer, and utility lines -----	202	2 547	2 486	2 604	2 579	2 521	11	5	5	6	5	4	4
1629	Heavy construction, n.e.c. -----	279	2 023	1 797	2 059	2 170	2 066	9	4	5	4	4	4	4
17	Special trade contractors:													
1711	Plumbing, heating, and air-conditioning -----	885	4 621	4 411	4 666	4 805	4 600	4	3	3	3	3	3	3
1721	Painting and paper hanging -----	312	1 171	1 117	1 194	1 286	1 089	6	8	9	9	8	9	9
1731	Electrical work -----	445	2 896	2 799	2 806	3 057	2 924	4	3	3	4	4	4	4
174	Masonry, stonework, tile setting, and plastering:													
1741	Masonry, stone setting, and other stonework -----	192	1 059	1 066	1 101	1 101	967	6	7	7	7	9	10	
1742	Plastering, drywall, and insulation work -----	164	1 398	1 376	1 408	1 475	1 333	11	6	5	6	6	5	5
1743	Terrazzo, tile, marble, and mosaic work -----	28	157	153	158	168	151	29	30	30	30	28	31	
175	Carpentry and floor work:													
1751	Carpentry -----	365	1 101	1 030	1 060	1 253	1 060	5	9	9	9	9	9	9
1752	Floor laying and other floor work --	124	409	411	420	434	371	9	9	9	11	10	9	9
1761	Roofing, siding, and sheet metal work -----	376	2 444	1 870	2 266	3 090	2 549	6	8	7	8	10	9	
1771	Concrete work -----	343	2 269	1 835	2 483	2 595	2 163	6	7	7	7	7	7	7
1781	Water well drilling -----	38	130	119	155	128	120	18	19	20	18	18	19	
179	Miscellaneous special trade contractors:													
1791	Structural steel erection -----	22	456	459	495	379	490	12	6	3	5	8	9	9
1793	Glass and glazing work -----	35	166	168	164	163	169	6	9	9	12	8	10	10
1794	Excavation work -----	81	358	310	375	366	381	15	17	16	15	14	22	22
1795	Wrecking and demolition work -----	13	48	46	47	54	44	34	9	10	10	8	10	10
1796	Installing building equipment, n.e.c. -----	64	916	882	912	924	946	17	4	5	4	4	4	4
1799	Special trade contractors, n.e.c. ---	270	1 060	952	1 050	1 196	1 040	11	9	9	9	7	10	10

¹Construction 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
15, 16, 17	Construction industries -----	8.1	22.6	139.4	.206	.350	.250	.233	.016
15	Building construction—General contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	4.1	17.3	178.0	.131	.393	.313	.035	.006
1522	Other residential buildings -----	10.5	23.2	134.4	.201	.327	.356	(S)	.007
1531	Operative builders -----	4.8	21.6	918.2	.044	.407	.352	.010	.002
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	12.3	24.9	180.5	.181	.372	.336	.083	.016
1542	Nonresidential buildings, n.e.c. -----	14.3	24.3	335.2	.099	.240	.514	.075	.014
16	Heavy construction other than building construction—contractors:								
1611	Highway and street construction -----	31.4	24.1	139.6	.210	.417	.228	.231	.025
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	51.8	25.7	131.9	.223	.413	.235	.181	.017
1623	Water, sewer, and utility lines -----	15.2	25.8	105.2	.296	.264	.113	.180	.036
1629	Heavy construction, n.e.c. -----	8.9	23.0	112.4	.252	.326	.143	.165	.030
17	Special trade contractors:								
1711	Plumbing, heating, and air-conditioning -----	7.3	24.7	128.9	.268	.420	.088	.428	.013
1721	Painting and paper hanging -----	4.3	17.8	54.1	.374	(D)	.049	.603	.021
1731	Electrical work -----	8.3	25.2	99.0	.325	.434	.047	.547	.011
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework -----	6.0	18.7	53.3	.382	(D)	(D)	.699	.010
1742	Plastering, drywall, and insulation work -----	10.0	23.2	71.8	.380	.374	.075	.859	.007
1743	Terrazzo, tile, marble, and mosaic work -----	6.5	23.2	81.8	.323	.407	.007	.306	*.002
175	Carpentry and floor work:								
1751	Carpentry -----	3.6	15.7	74.3	.250	.388	.094	.499	.012
1752	Floor laying and other floor work -----	4.1	21.9	101.9	.266	.448	.051	.642	.009
1761	Roofing, siding, and sheet metal work -----	8.2	19.0	85.1	.282	.395	.056	.206	.013
1771	Concrete work -----	8.0	18.7	76.5	.295	.446	.051	.576	.033
1781	Water well drilling -----	4.6	26.5	111.0	.316	.382	.028	.031	.010
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	23.8	24.4	72.9	.391	.339	(D)	.844	.028
1793	Glass and glazing work -----	7.5	23.1	118.9	.312	.559	.007	.763	.016
1794	Excavation work -----	5.4	24.8	101.2	.297	.255	.109	.560	.019
1795	Wrecking and demolition work -----	4.2	14.1	73.9	.219	.222	.062	.236	.015
1796	Installing building equipment, n.e.c. -----	17.6	28.2	87.2	.400	.224	(D)	.051	.015
1799	Special trade contractors, n.e.c. -----	5.0	21.5	72.5	.374	.336	.082	.313	.018

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
KANSAS CITY, MO-KS MSA												
15,16,17	Construction industries -----	4 037	37 512	941 580	4 126 782	3 085 130	1 805 277	1 364 250	1 041 652	79 702	1	2
15	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses -----	590	2 551	46 101	332 376	217 338	111 888	126 959	115 039	3 197	12	21
1522	Other residential buildings -----	(S)	568	12 873	56 072	38 430	20 046	18 445	17 643	(D)	15	12
1531	Operative builders -----	131	392	8 673	193 797	127 409	44 664	86 052	66 388	1 310	22	19
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses -----	(S)	731	21 688	144 066	90 960	55 181	36 811	53 106	902	9	7
1542	Nonresidential buildings, n.e.c. -----	252	3 129	85 789	751 948	282 190	147 217	148 004	469 758	4 302	4	4
16	Heavy construction other than building construction—contractors:											
1611	Highway and street construction -----	69	2 196	65 260	276 991	209 663	124 216	103 186	67 329	18 728	5	5
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction -----	14	672	20 182	116 127	93 920	54 520	42 917	22 207	3 104	7	26
1623	Water, sewer, and utility lines -----	99	2 477	77 243	268 061	232 664	149 464	83 857	35 396	13 566	5	2
1629	Heavy construction, n.e.c. -----	91	988	22 275	111 239	96 129	58 782	37 859	(S)	(S)	7	4
17	Special trade contractors:											
1711	Plumbing, heating, and air-conditioning -----	510	5 231	155 548	598 072	515 266	289 031	229 680	82 807	7 190	3	4
1721	Painting and paper hanging -----	299	1 484	30 176	72 217	69 428	50 481	19 044	2 789	(S)	7	6
1731	Electrical work -----	290	3 033	86 252	263 555	249 272	151 491	99 765	14 283	3 257	4	3
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work -----	161	2 288	35 753	91 475	89 171	63 665	25 544	2 304	694	4	5
1742	Plastering, drywall, and insulation work -----	145	1 337	31 302	81 909	71 238	47 613	27 342	10 671	773	7	6
1743	Terrazzo, tile, marble, and mosaic work -----	22	182	5 501	(D)	14 540	8 455	6 382	(D)	147	10	8
175	Carpentry and floor work:											
1751	Carpentry -----	324	1 457	27 861	(S)	(S)	53 914	(S)	(S)	1 675	9	(S)
1752	Floor laying and other floor work -----	105	493	11 598	38 034	34 310	20 000	15 287	(S)	175	13	12
1761	Roofing, siding, and sheet metal work -----	(S)	2 299	52 592	168 964	161 388	104 669	58 931	7 575	2 983	7	3
1771	Concrete work -----	316	2 638	51 550	174 396	166 206	89 534	78 101	8 190	5 326	6	6
1781	Water well drilling -----	(S)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	22	566	15 341	41 338	38 687	26 200	13 133	2 651	221	7	5
1793	Glass and glazing work -----	26	(D)	(D)	17 085	16 875	(D)	9 683	210	167	(D)	19
1794	Excavation work -----	71	548	14 725	47 600	40 718	30 508	10 419	6 882	3 308	11	10
1795	Wrecking and demolition work -----	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. -----	47	545	21 278	58 362	52 362	37 261	15 385	6 000	879	8	8
1799	Special trade contractors, n.e.c. -----	(S)	1 422	33 993	83 840	74 744	52 842	26 455	9 096	1 068	7	7

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Statistics for Establishments With Payroll

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Summary of Findings

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

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

During 1992, there were 39,089 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 39,089 construction establishments were small. Of the total, 28,425 were nonemployers, and over half of the employer establishments had less than 5 employees. The 3,852 construction establishments with 5 employees or more, while representing only 10 percent of all establishments, accounted for more than 82 percent of the total dollar value of business done.

ESTABLISHMENTS WITH PAYROLL

During 1992, the establishments with paid employees accounted for \$12.0 billion in total dollar value of business done. Of this amount, \$11.7 billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to \$3.5 billion, leaving net value of construction work of \$8.2 billion. In addition, these establishments paid out \$3.8 billion for the cost of materials, fuels, power, rental of equipment and buildings,

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

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 10,664 establishments with total employment averaging 85,977 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 28,425 establishments with no payroll classified as construction. According to administrative records of the Federal Government, their dollar value of business done during 1992 was \$919 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 

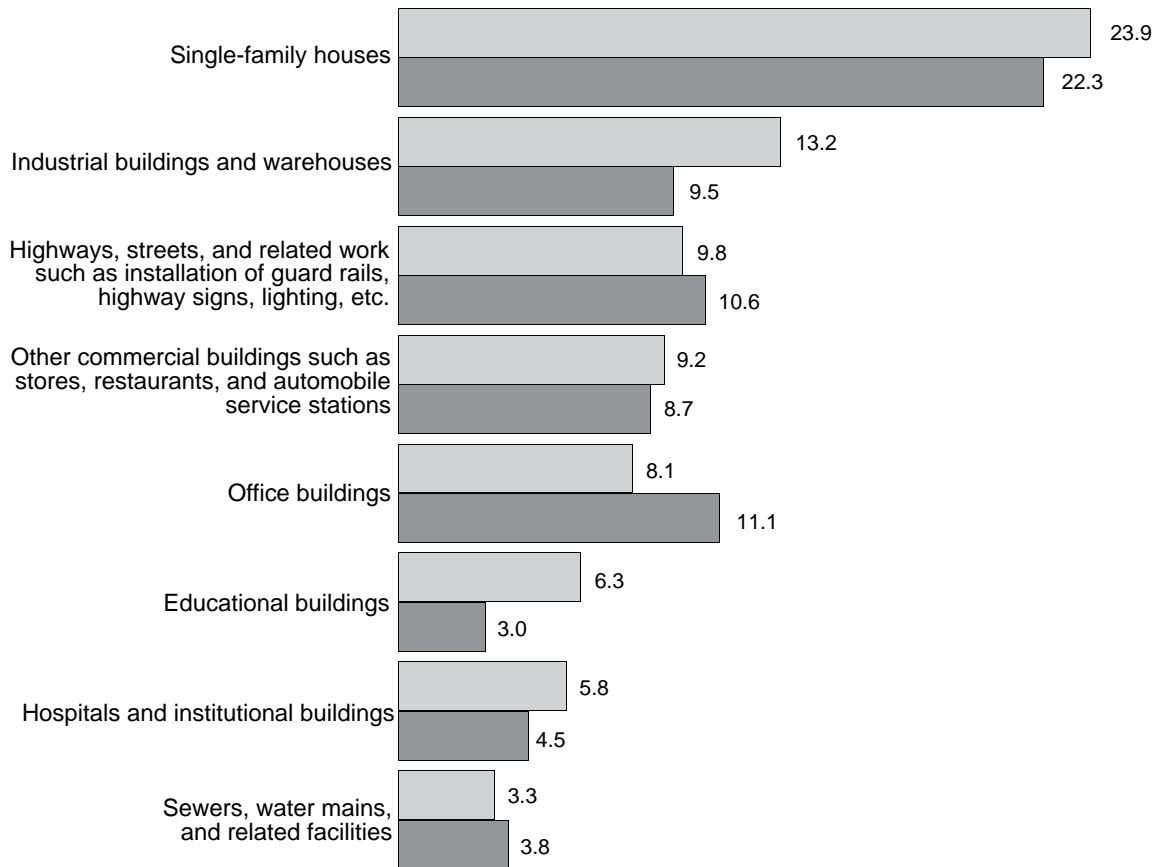




Figure 2. **Selected Costs per Dollar Value of Business Done**
(Percent)

1992 
1987 

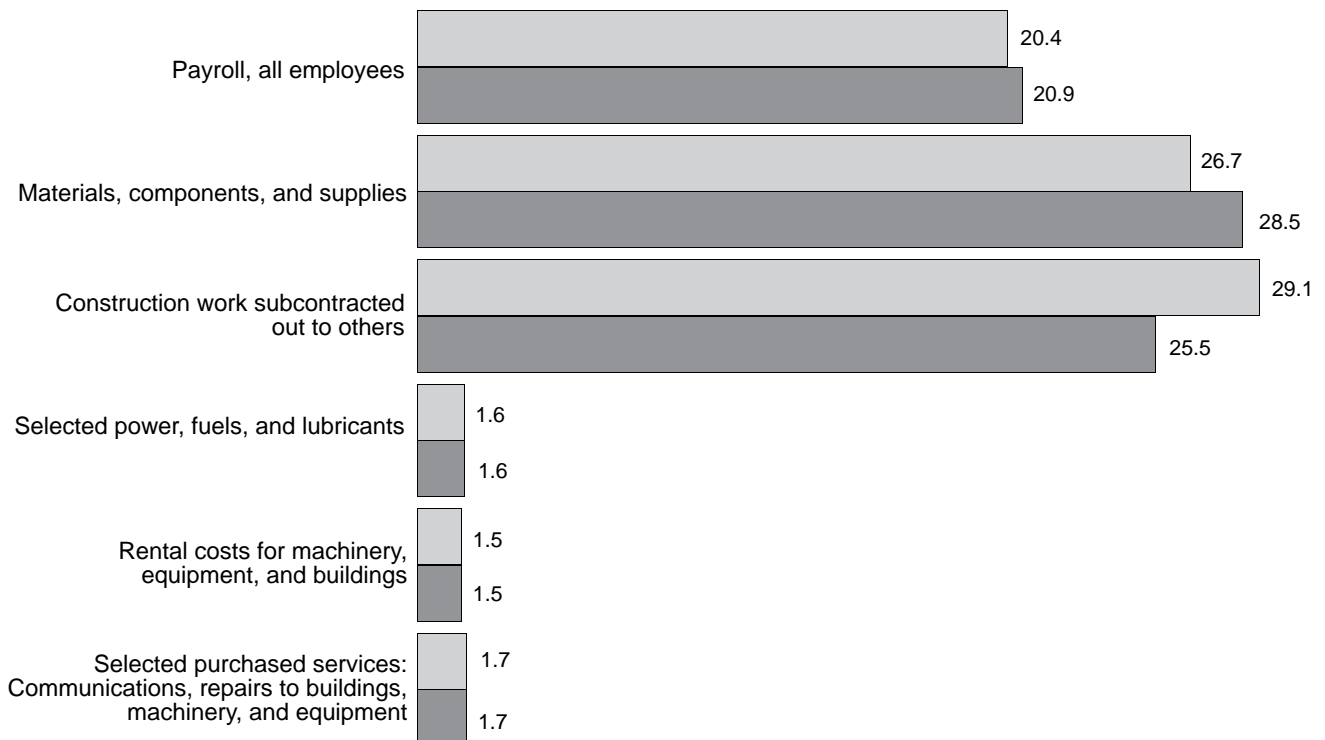


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1992 and 1987

[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—		
		Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done ¹	Number	Proprietors and working partners	All employees**	Dollar value of business done			
		A	B	C	D	E	F	G	H	I	J	K			J
1992															
15, 16, 17	Construction industries -----	39 089	32 405	85 977	12 954 623	28 425	28 106	918 975	10 664	4 299	85 977	12 035 648	1	1	
15	Building construction—General contractors and operative builders ----	7 111	5 002	20 479	5 495 343	4 140	3 846	305 468	2 971	1 156	20 479	5 189 875	5	2	
16	Heavy construction other than building construction—contractors -----	1 253	742	13 179	2 121 506	502	478	23 601	751	264	13 179	2 097 905	2	1	
17	Special trade contractors -----	30 725	26 662	52 319	5 337 774	23 783	23 782	589 906	6 942	2 880	52 319	4 747 868	1	1	
1711	Plumbing, heating, and air-conditioning --	2 682	1 802	11 727	1 320 495	1 377	1 361	55 491	1 305	441	11 727	1 265 004	2	2	
1731	Electrical work -----	2 134	1 346	9 776	884 098	926	900	29 587	1 208	446	9 776	854 511	2	2	
1987															
15, 16, 17	Construction industries ² -----	40 021	32 601	83 814	11 422 980	30 337	29 865	1 404 793	9 684	2 736	83 814	10 018 187	1	1	
15	Building construction—General contractors and operative builders ----	8 817	6 252	19 202	4 324 090	6 124	5 643	510 486	2 693	609	19 202	3 813 604	2	2	
16	Heavy construction other than building construction—contractors -----	1 313	748	15 160	2 155 359	518	493	36 142	795	255	15 160	2 119 217	1	1	
17	Special trade contractors -----	29 183	24 950	49 115	4 722 128	23 079	23 087	700 965	6 104	1 863	49 115	4 021 163	1	1	
1711	Plumbing, heating, and air-conditioning --	2 653	1 777	11 260	1 140 210	1 461	1 457	75 455	1 192	320	11 260	1 064 755	2	1	
1731	Electrical work -----	2 074	1 416	8 581	747 245	1 129	1 120	49 339	945	296	8 581	697 906	2	2	

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

²Includes 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	Construction industries¹	10 664	85 977	66 389	2 453 914	1 770 908	11 747 155	8 249 248	5 133 010
15	Building construction—General contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses	1 905	6 713	4 947	123 555	85 258	874 807	577 652	286 268
1522	Other residential buildings	64	429	283	11 161	5 629	111 698	42 298	22 925
1531	Operative builders	332	1 731	812	56 261	17 142	880 172	515 277	276 421
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	112	4 213	3 338	118 216	76 329	1 147 769	(D)	344 932
1542	Nonresidential buildings, n.e.c.	560	7 394	5 238	237 926	153 098	2 075 227	811 122	535 635
16	Heavy construction other than building construction—contractors:								
1611	Highway and street construction	274	6 480	5 418	235 421	182 840	1 114 373	876 457	550 922
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	11	857	722	28 407	21 345	142 610	(D)	(D)
1623	Water, sewer, and utility lines	204	2 963	2 447	90 605	67 483	389 497	326 100	202 809
1629	Heavy construction, n.e.c.	262	2 879	2 307	93 753	67 389	378 340	309 188	219 254
17	Special trade contractors:								
1711	Plumbing, heating, and air-conditioning	1 305	11 727	8 619	377 246	277 359	1 249 940	1 087 734	652 901
1721	Painting and paper hanging	466	2 321	1 881	58 109	45 144	157 873	147 156	106 474
1731	Electrical work	1 208	9 776	7 650	309 345	235 534	829 235	802 143	501 336
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	513	3 264	2 830	73 544	61 237	228 128	213 217	127 280
1742	Plastering, drywall, and insulation work	350	3 588	2 969	101 244	78 846	280 088	249 851	160 189
1743	Terrazzo, tile, marble, and mosaic work	110	706	515	18 854	12 379	58 538	56 149	33 516
175	Carpentry and floor work:								
1751	Carpentry	751	3 551	2 851	67 722	51 642	256 508	224 344	132 657
1752	Floor laying and other floor work	159	847	644	(S)	12 573	74 521	68 575	39 096
1761	Roofing, siding, and sheet metal work	447	4 092	3 110	105 725	75 530	392 257	361 972	204 338
1771	Concrete work	635	3 775	3 031	88 708	66 116	327 895	303 029	174 224
1781	Water well drilling	107	612	491	14 062	11 169	56 056	54 424	30 703
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	54	1 038	870	36 611	30 068	103 387	96 968	75 014
1793	Glass and glazing work	70	693	449	18 065	11 479	72 670	64 995	32 779
1794	Excavation work	296	1 658	1 309	46 068	35 804	175 409	152 740	113 010
1795	Wrecking and demolition work	* 17	132	110	3 531	2 771	14 294	12 315	(D)
1796	Installing building equipment, n.e.c.	79	1 591	1 221	50 167	35 657	153 434	146 372	117 924
1799	Special trade contractors, n.e.c.	374	2 949	2 327	71 239	51 085	202 430	186 164	140 838

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	
3 404 731	3 497 907	3 072 213	177 327	209 415	1 794 389	83 814	9 702 867	4 349 314	1	1	3	15, 16, 17 15
315 624 19 462	297 155 69 401	30 117 870	4 594 273	9 186 320	63 976 4 246	6 640 1 022	692 733 277 994	271 143 69 102	4 7	5 5	18 12	152 1521 1522
271 497	364 895	4 892	*3 903	4 833	36 108	2 025	711 990	216 724	8	11	38	1531
(D) 314 919	(D) 1 264 105	*13 001 42 789	12 734 10 167	4 314 15 269	49 846 134 968	1 603 7 912	289 067 1 681 795	109 654 316 380	26 4	(D) 3	26 5	154 1541 1542
389 903	237 916	235 028	38 908	43 402	394 975	7 869	1 224 946	631 481	4	1	4	1611
56 732 128 406 92 995	(D) 63 396 69 152	2 743 88 660 37 059	6 615 9 318 19 138	2 235 17 947 18 453	34 107 166 631 171 359	1 413 3 427 2 451	154 728 447 500 249 555	77 980 223 667 113 022	(Z) 4 5	(D) 3 4	8 12 13	162 1622 1623 1629
449 897	162 206	641 069	13 505	15 429	154 908	11 260	1 047 690	543 693	2	2	9	1711
41 294	10 718	90 263	3 205	5 040	28 972	2 692	143 589	102 721	6	5	22	1721
326 084	27 092	422 625	10 657	12 026	86 911	8 581	687 612	416 607	2	2	9	1731
86 097 91 897 26 346	14 911 30 236 *2 389	193 705 245 446 44 771	2 099 3 629 *353	4 096 2 405 *658	32 670 23 469 4 722	2 793 3 070 641	183 320 268 563 51 529	108 529 149 313 36 086	6 4 9	5 4 10	18 20 47	174 1741 1742 1743
93 711 29 963	32 164 (S)	142 078 (S)	3 589 621	2 485 1 135	19 077 (S)	3 637 908	198 200 69 881	107 419 43 781	6 11	7 9	22 39	175 1751 1752
171 644	30 285	203 280	6 332	8 772	66 709	3 456	270 921	143 778	5	4	23	1761
135 605	24 866	208 936	6 883	12 373	91 723	4 135	339 958	200 254	5	5	12	1771
24 099	1 632	11 815	830	3 805	29 464	555	47 594	26 077	10	9	24	1781
24 637 38 781 47 769	6 419 7 675 22 668	94 692 58 190 92 209	3 032 2 071 6 128	2 033 1 266 11 592	25 291 11 806 104 660	1 401 787 1 692	126 835 68 784 184 266	83 232 37 772 124 822	6 3 9	6 12 6	22 12 15	179 1791 1793 1794
(D) 37 873 (D)	1 979 7 062 16 266	8 121 46 661 80 310	*1 339 2 386 5 019	962 2 202 7 178	8 106 15 856 27 779	*117 974 2 416	*6 195 88 276 146 875	*4 269 59 149 102 366	11 3 6	6 3 7	34 23 14	1795 1796 1799

CONSTRUCTION—GEOGRAPHIC AREA SERIES

MINNESOTA MN-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	10 664	9 684	9 260	9 711	1	1	2	2
Proprietors and working partners	4 299	2 736	3 268	5 453	2	4	3	4
All employees**	85 977	83 814	73 461	83 149	1	1	1	1
Construction workers:								
March	53 385	52 977	45 635	50 598	2	1	1	1
May	68 726	69 100	57 649	72 434	2	1	1	1
August	77 450	76 182	66 675	81 332	2	1	1	1
November	65 995	66 690	58 425	73 584	2	1	1	1
Average	66 389	66 237	58 060	69 540	2	1	1	1
Other employees:								
March	19 329	16 800	15 277	12 799	1	1	1	1
May	19 482	17 464	(NA)	(NA)	1	1	(NA)	(NA)
August	19 945	18 239	(NA)	(NA)	1	1	(NA)	(NA)
November	19 600	17 819	(NA)	(NA)	1	1	(NA)	(NA)
Average	19 589	17 581	(NA)	(NA)	1	1	(NA)	(NA)
Payroll, all employees	2 453 914	2 093 881	1 490 342	1 154 289	1	1	1	1
Payroll, construction workers	1 770 908	1 543 598	1 139 218	932 707	1	1	1	1
Payroll, other employees	683 006	550 282	351 123	221 582	1	1	1	1
First-quarter payroll, all employees	487 390	417 445	299 432	208 758	1	1	1	1
Fringe benefits, all employees	729 038	541 009	260 798	216 502	1	1	1	1
Legally required expenditures	455 578	365 415	201 741	133 641	1	1	1	1
Voluntary expenditures	273 460	175 593	59 056	82 861	1	1	1	1
Dollar value of business done	12 035 648	10 018 187	6 009 326	4 715 529	1	1	1	1
Value of construction work	11 747 155	9 702 867	5 826 218	4 561 549	1	1	1	1
Value of construction work subcontracted in from others	3 072 213	2 147 801	1 210 683	982 948	2	2	1	1
Other business receipts	288 493	218 277	144 671	153 980	4	3	2	4
Net value of construction†	8 249 248	7 143 880	4 377 691	3 593 846	1	1	1	1
Value added††	5 133 010	4 349 314	2 562 920	2 035 222	1	1	1	1
Selected costs	6 902 638	5 571 829	3 407 969	2 627 250	1	1	1	1
Materials, components, and supplies	3 212 395	2 851 639	1 822 309	1 568 612	1	1	1	1
Construction work subcontracted out to others	3 497 907	2 558 986	1 448 526	967 703	1	2	1	1
Selected power, fuels, and lubricants	192 336	161 203	137 132	90 935	1	1	1	1
Electricity	22 182	17 676	12 899	9 631	2	2	2	2
Natural gas	13 521	8 844	8 523	4 897	2	3	3	3
Gasoline and diesel fuel	143 106	122 439	105 148	64 781	1	1	2	1
On highway use	90 967	77 228	(NA)	(NA)	2	1	(NA)	(NA)
Off highway use	52 139	45 210	(NA)	(NA)	2	2	(NA)	(NA)
Other, including lubricating oils and greases	13 527	12 243	10 561	11 629	2	2	3	7
Rental cost for machinery, equipment, and buildings	177 327	153 966	81 909	52 119	2	2	1	1
For machinery and equipment	122 801	111 152	60 524	42 852	2	2	2	2
For buildings	54 526	42 813	21 385	9 267	4	2	2	2
Selected purchased services	202 627	172 356	124 171	112 954	3	1	1	1
Communication services	45 810	32 176	21 643	15 913	4	2	2	2
Repairs to buildings and other structures	8 177	8 682	5 473	4 188	8	5	3	6
Repairs to machinery and equipment	148 640	131 497	97 054	92 853	3	2	1	1
Ownership of construction projects:								
Value of construction work	11 747 155	9 702 867	5 826 218	4 561 549	1	1	1	1
Government owned	3 565 776	2 525 320	1 673 235	1 248 100	1	1	2	1
Federal	467 779	514 089	(NA)	(NA)	3	2	(NA)	(NA)
State and local	3 097 997	2 011 231	(NA)	(NA)	2	2	(NA)	(NA)
Privately owned	8 181 379	7 177 546	4 152 983	3 313 449	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
BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT				
Beginning-of-year gross book value of depreciable assets	1 732 970	1 412 395	2	2
Capital expenditures, other than land	209 415	176 948	3	3
New	149 925	125 190	3	3
Used	59 490	51 758	5	6
Retirements and disposition of depreciable assets	147 997	93 704	2	4
End-of-year gross book value of depreciable assets	1 794 389	1 495 639	2	2
Depreciation charges during year	175 543	157 698	2	2
Buildings and Other Structures, Additions, and Related Facilities				
Beginning-of-year gross book value of depreciable assets	303 109	237 761	3	4
Capital expenditures, other than land	21 173	25 575	10	7
New buildings and other structures	18 011	16 803	8	9
Used buildings and other structures	3 162	8 772	28	11
Retirements and disposition of depreciable assets	87 821	10 820	1	8
End-of-year gross book value of depreciable assets	236 462	252 517	4	4
Depreciation charges during year	17 688	20 016	6	5
Machinery and Equipment				
Beginning-of-year gross book value of depreciable assets	1 429 861	1 174 633	2	2
Capital expenditures, other than land	188 242	151 372	3	3
New machinery and equipment, including automobiles and trucks	131 914	108 386	3	3
New automobiles and trucks, intended primarily for highway use	45 702	44 459	5	5
Used machinery and equipment, including automobiles and trucks	56 328	42 986	5	7
Retirements and disposition of depreciable assets	60 176	82 884	5	5
End-of-year gross book value of depreciable assets	1 557 926	1 243 121	2	2
Depreciation charges during year	157 855	137 682	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 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	10 664	1
Value of construction work	11 747 155	1
Establishments with inventories:		
Number	4 349	2
Value of construction work	5 335 772	1
Inventories¹:		
End of 1992, materials and supplies	174 023	9
End of 1991, materials and supplies	162 682	7
Establishments with no inventories:		
Number	3 242	3
Value of construction work	4 754 818	1
Establishments not reporting:		
Number	3 074	2
Value of construction work	1 656 565	3

¹Inventories 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
1992										
Number of establishments	10 664	6 813	1 943	1 083	581	157	69	15	3	1
All employees**	85 977	13 033	12 476	14 275	17 185	10 733	9 759	4 568	3 948	(D)
Payroll, all employees	2 453 914	233 831	264 041	375 554	532 585	355 155	323 989	190 013	178 746	(D)
Dollar value of business done	12 035 648	1 401 470	1 310 124	1 598 406	2 424 603	1 565 432	1 556 215	869 794	1 309 604	(D)
Value of construction work	11 747 155	1 372 114	1 284 833	1 569 765	2 373 261	1 520 104	1 533 371	828 909	1 264 797	(D)
Net value of construction work†	8 249 248	1 083 682	1 012 422	1 250 465	1 696 190	1 111 908	986 514	1 108 068	(D)	(D)
Value added††	5 133 010	592 911	587 483	744 196	996 560	702 079	647 969	403 568	458 244	(D)
Cost of materials, components, supplies, and fuels	3 404 731	520 127	450 229	534 909	750 972	455 157	361 389	331 948	(D)	(D)
Cost of construction work subcontracted out to others	3 497 907	288 432	272 412	319 300	677 071	408 196	546 857	985 638	(D)	(D)
Rental cost for machinery, equipment, and buildings	177 327	15 565	12 604	22 263	34 318	28 503	26 208	(S)	24 137	(D)
Capital expenditures, other than land	209 415	30 564	30 532	25 303	44 604	29 856	21 740	23 490	3 327	(D)
End-of-year gross book value of depreciable assets	1 794 389	228 500	198 116	220 387	381 975	276 827	249 650	186 935	51 999	(D)
1987										
All employees**	83 814	11 523	13 447	13 403	16 629	8 360	10 286	5 349	4 813	(D)
Value of construction work	9 702 867	1 061 586	1 253 482	1 309 876	1 977 811	2 478 290	(D)	1 621 819	(D)	(D)
Value added††	4 349 314	480 435	581 196	635 813	933 646	479 899	957 618	(D)	280 705	(D)
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	3	5	4	2	3	11	(Z)	(Z)	(D)
Net value of construction work†	1	4	7	4	2	1	3	(Z)	(D)	(D)
Capital expenditures, other than land	3	12	13	9	2	1	2	(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
1992											
Number of establishments	10 664	(S)	(S)	1 391	3 113	1 870	1 204	1 087	401	193	175
All employees**	85 977	(S)	(S)	2 018	8 085	8 668	9 416	15 792	11 421	7 678	21 843
Payroll, all employees	2 453 914	(S)	(S)	25 760	128 809	170 817	215 384	401 570	320 958	286 320	894 847
Dollar value of business done	12 035 648	(S)	(S)	102 100	516 513	657 204	845 638	1 686 297	1 363 693	1 316 259	5 514 431
Value of construction work	11 747 155	(S)	(S)	100 622	510 486	652 960	829 362	1 645 361	1 337 295	1 279 710	5 358 439
Net value of construction work†	8 249 248	(S)	(S)	93 779	461 534	583 885	716 108	1 339 298	1 034 682	967 391	3 021 616
Value added††	5 133 010	(S)	(S)	57 169	265 742	339 447	416 422	804 470	593 036	577 622	2 060 383
Cost of materials, components, supplies, and fuels	3 404 731	(S)	(S)	38 089	201 819	248 682	315 961	575 765	468 045	426 318	1 117 225
Cost of construction work subcontracted out to others	3 497 907	(S)	(S)	6 842	48 952	69 075	113 254	306 062	302 612	312 319	2 336 823
Rental cost for machinery, equipment, and buildings	177 327	(S)	(S)	1 755	7 278	8 977	10 064	23 823	20 321	16 696	88 146
Capital expenditures, other than land	209 415	(S)	(S)	2 905	12 741	23 453	19 791	30 725	21 798	23 723	73 540
End-of-year gross book value of depreciable assets	1 794 389	(S)	(S)	19 452	110 504	132 225	158 852	255 034	218 960	209 227	683 623
1987											
All employees**	83 814	(S)	(S)	(S)	7 198	8 850	10 163	13 419	10 028	8 209	22 026
Value of construction work	9 702 867	(S)	(S)	(S)	409 612	594 555	806 419	1 356 093	1 248 897	1 124 919	4 027 408
Value added††	4 349 314	(S)	(S)	(S)	225 144	324 453	420 263	670 915	573 947	497 658	1 556 799
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	1	(S)	(S)	8	5	6	6	4	10	1	(Z)
Net value of construction work†	1	(S)	(S)	6	5	6	6	4	4	5	(Z)
Capital expenditures, other than land	3	(S)	(S)	23	12	17	14	10	5	1	(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
1992								
Value of construction work	11 747 155	7 341 030	2 894 805	1 292 643	1	1	1	2
Building construction	8 864 370	5 918 596	2 086 712	859 062	1	2	2	2
Single-family houses	2 813 239	2 157 253	419 432	236 553	3	4	4	6
Single-family houses, detached	2 431 993	1 840 201	382 566	209 226	4	5	4	6
Single-family houses, attached, including townhouses and townhouse-type condominiums	381 246	317 052	36 867	27 327	8	9	14	25
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	306 108	195 452	73 651	37 006	4	5	5	10
Other residential buildings, including hotels, motels, and tourist cabins	308 872	279 076	17 469	12 328	2	2	9	11
Hotels, motels, and tourist cabins	(D)	(D)	12 023	8 969	(D)	(D)	10	9
Other residential buildings	(D)	(D)	5 446	3 359	(D)	(D)	17	35
Office buildings	950 226	514 725	326 687	108 813	3	4	3	2
Other commercial buildings such as stores, restaurants, and automobile service stations	1 075 129	666 254	290 174	118 701	2	2	3	5
Industrial buildings and warehouses	1 545 070	1 024 743	357 931	162 396	2	2	5	4
Industrial buildings	1 292 643	885 790	270 153	136 700	2	1	4	4
Warehouses	252 426	138 953	87 778	25 696	7	6	11	7
Religious buildings	145 238	66 266	61 543	17 429	5	6	7	5
Educational buildings	735 078	426 157	251 642	57 279	3	2	9	5
Hospitals and institutional buildings	676 985	376 467	234 988	65 531	2	1	3	4
Farm buildings, nonresidential	88 003	57 489	12 480	18 034	9	12	16	11
Amusement, social, and recreational buildings, indoors	163 869	123 415	25 762	14 692	2	2	6	2
Other nonresidential buildings	56 555	31 299	14 954	10 301	11	16	4	36
Nonbuilding construction	2 664 107	1 422 434	808 093	433 580	1	1	1	3
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	1 155 238	565 878	402 929	186 431	1	2	2	6
Private driveways and parking areas	109 123	64 908	19 097	25 118	5	4	11	11
Bridges, tunnels, and elevated highways	142 337	43 217	60 869	38 251	1	(Z)	1	2
Conservation and development construction	70 648	41 053	8 098	21 497	14	21	39	5
Power and communication transmission lines, towers, and related facilities	97 305	75 833	(D)	(D)	8	10	(D)	(D)
Sewers, water mains, and related facilities	387 867	280 130	73 794	33 943	4	5	3	8
Sewers, sewer lines, septic systems, and related facilities	225 955	170 348	37 442	18 165	4	5	2	8
Water mains and related facilities	161 912	109 782	36 352	15 778	5	6	4	10
Blast furnaces, petroleum refineries, chemical complexes, etc.	178 631	51 147	(D)	(D)	2	6	(D)	(D)
Power plants	161 639	67 246	42 838	(S)	1	(Z)	(Z)	(S)
Sewage treatment and water treatment plants	133 343	85 955	36 324	11 064	3	2	5	6
Other nonbuilding construction	227 977	(S)	48 445	32 466	6	(S)	13	12
Construction work, n.s.k.	218 678	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
1987								
Value of construction work	9 702 867	6 278 649	2 128 830	917 073	1	1	1	2
Building construction	6 743 814	4 649 105	1 433 346	603 743	1	2	2	2
Single-family houses	2 159 231	1 607 502	373 926	177 802	3	3	5	5
Single-family houses, detached	1 789 303	1 296 137	336 377	156 788	3	4	5	5
Single-family houses, attached, including townhouses and townhouse-type condominiums	369 928	311 365	37 549	21 014	7	7	17	13
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	539 222	430 436	67 938	40 847	7	8	3	7
Other residential buildings, including hotels, motels, and tourist cabins	197 032	143 324	36 106	17 601	4	5	11	9
Hotels, motels, and tourist cabins	146 412	113 241	22 440	10 731	4	5	5	5
Other residential buildings	50 620	30 083	13 666	6 870	12	10	27	19
Office buildings	1 077 058	747 450	242 781	86 826	1	1	2	3
Other commercial buildings such as stores, restaurants, and automobile service stations	842 817	509 578	250 738	82 501	2	2	4	4
Industrial buildings and warehouses	923 273	627 289	181 163	114 821	2	3	3	3
Industrial buildings	671 451	443 684	135 413	92 354	2	2	3	3
Warehouses	251 822	183 605	45 750	22 467	5	6	8	5
Religious buildings	116 853	58 912	47 041	10 900	4	3	6	8
Educational buildings	286 353	180 493	81 704	24 155	2	2	5	7
Hospitals and institutional buildings	437 969	295 015	119 225	23 728	2	2	3	4
Farm buildings, nonresidential	69 333	43 504	14 091	11 737	10	10	26	15
Amusement, social, and recreational buildings, indoors	42 768	25 398	11 668	5 701	6	7	11	5
Other nonresidential buildings	51 905	34 792	8 092	9 029	9	9	26	16
Nonbuilding construction	2 580 739	1 574 955	694 357	311 426	1	1	2	3
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	1 032 781	530 120	331 503	171 157	1	2	2	4
Private driveways and parking areas	86 509	59 857	13 324	13 327	8	10	9	18
Bridges, tunnels, and elevated highways	214 279	168 338	23 709	22 230	4	3	17	1
Conservation and development construction	27 199	22 426	* 2 396	* 2 376	16	15	48	46
Power and communication transmission lines, towers, and related facilities	123 852	67 441	43 721	12 689	7	8	14	11
Sewers, water mains, and related facilities	372 159	313 629	39 562	18 967	3	2	11	12
Sewers, sewer lines, septic systems, and related facilities	230 858	192 528	28 522	9 807	3	2	10	13
Water mains and related facilities	141 301	121 101	11 040	9 160	5	4	14	19
Blast furnaces, petroleum refineries, chemical complexes, etc.	91 804	34 160	38 359	19 284	5	(Z)	(Z)	23
Power plants	112 292	79 686	23 309	9 297	1	(Z)	2	3
Sewage treatment and water treatment plants	150 225	102 196	44 472	3 556	3	4	2	13
Other nonbuilding construction	369 639	197 102	134 002	38 543	(NA)	(NA)	(NA)	(NA)
Construction work, n.s.k.	378 313	(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 ¹				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
15, 16, 17	Construction industries -----	10 664	66 389	53 385	68 726	77 450	65 995	1	2	2	2	2	2
15	Building construction—General contractors and operative builders:												
152	General contractors, residential buildings:												
1521	Single-family houses -----	1 905	4 947	4 263	5 088	5 558	4 880	3	5	5	5	5	5
1522	Other residential buildings -----	64	283	230	327	323	250	22	7	5	9	9	5
1531	Operative builders -----	332	812	716	825	915	790	10	10	10	11	9	9
154	General contractors, nonresidential buildings:												
1541	Industrial buildings and warehouses -----	112	3 338	3 035	3 444	3 559	3 314	14	32	36	32	31	31
1542	Nonresidential buildings, n.e.c. ---	560	5 238	4 434	5 233	6 087	5 199	7	4	4	4	5	4
16	Heavy construction other than building construction—contractors:												
1611	Highway and street construction ----	274	5 418	2 109	6 365	7 999	5 200	9	4	5	4	4	4
162	Heavy construction, except highway:												
1622	Bridge, tunnel, and elevated highway construction -----	11	722	479	782	930	695	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
1623	Water, sewer, and utility lines -----	204	2 447	1 221	2 788	3 280	2 500	9	4	5	4	4	4
1629	Heavy construction, n.e.c. -----	262	2 307	(D)	(D)	2 938	2 264	11	5	(D)	(D)	5	6
17	Special trade contractors:												
1711	Plumbing, heating, and air-conditioning -----	1 305	8 619	7 869	8 346	9 238	9 024	3	2	2	2	2	2
1721	Painting and paper hanging -----	466	1 881	1 451	1 913	2 414	1 748	5	6	6	6	6	8
1731	Electrical work -----	1 208	7 650	7 227	7 609	8 255	7 507	2	2	2	2	2	2
174	Masonry, stonework, tile setting, and plastering:												
1741	Masonry, stone setting, and other stonework -----	513	2 830	2 221	2 915	3 291	2 894	6	6	6	7	6	5
1742	Plastering, drywall, and insulation work -----	350	2 969	2 713	2 949	3 224	2 991	7	4	4	5	5	5
1743	Terrazzo, tile, marble, and mosaic work -----	110	515	506	555	564	438	16	9	9	10	10	10
175	Carpentry and floor work:												
1751	Carpentry -----	751	2 851	2 411	2 866	3 216	2 911	4	6	7	6	6	6
1752	Floor laying and other floor work --	159	644	596	628	738	615	11	11	13	11	10	12
1761	Roofing, siding, and sheet metal work -----	447	3 110	2 577	3 155	3 404	3 305	6	5	5	5	5	6
1771	Concrete work -----	635	3 031	1 536	3 576	4 014	2 998	5	5	8	5	5	6
1781	Water well drilling -----	107	491	449	478	537	501	8	12	13	12	13	12
179	Miscellaneous special trade contractors:												
1791	Structural steel erection -----	54	870	716	874	989	900	20	5	3	5	6	6
1793	Glass and glazing work -----	70	449	449	457	482	410	13	3	4	3	4	4
1794	Excavation work -----	296	1 309	880	1 481	1 596	1 277	9	8	12	8	8	9
1795	Wrecking and demolition work -----	*17	110	(D)	(D)	156	118	44	14	(D)	(D)	24	19
1796	Installing building equipment, n.e.c. -----	79	1 221	1 964	923	1 010	986	15	3	2	4	5	4
1799	Special trade contractors, n.e.c. ---	374	2 327	(D)	(D)	2 734	2 282	9	6	(D)	(D)	7	7

¹Construction 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
15, 16, 17	Construction industries -----	8.1	28.5	176.9	.209	.290	.298	.262	.015
15	Building construction—General contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	3.5	18.4	176.8	.141	.361	.340	.034	.005
1522	Other residential buildings -----	6.7	26.0	394.7	.100	.174	.621	.008	.002
1531	Operative builders -----	5.2	32.5	1 084.0	.064	.308	.415	.006	*.004
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	37.8	28.1	343.8	.103	(D)	(D)	*.011	.011
1542	Nonresidential buildings, n.e.c. -----	13.2	32.2	396.2	.115	.152	.609	.021	.005
16	Heavy construction other than building construction—contractors:								
1611	Highway and street construction -----	23.6	36.3	205.7	.211	.350	.213	.211	.035
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	77.9	33.1	197.5	.199	.398	(D)	.019	.046
1623	Water, sewer, and utility lines -----	14.6	30.6	159.2	.233	.330	.163	.228	.024
1629	Heavy construction, n.e.c. -----	11.0	32.6	164.0	.248	.246	.183	.098	.051
17	Special trade contractors:								
1711	Plumbing, heating, and air-conditioning -----	9.0	32.2	145.0	.302	.360	.130	.513	.011
1721	Painting and paper hanging -----	5.0	25.0	83.9	.368	.262	.068	.572	.020
1731	Electrical work -----	8.1	31.6	108.4	.373	.393	.033	.510	.013
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework -----	6.4	22.5	80.6	.322	.377	.065	.849	.009
1742	Plastering, drywall, and insulation work -----	10.2	28.2	94.3	.361	.328	.108	.876	.013
1743	Terrazzo, tile, marble, and mosaic work -----	6.4	26.7	113.7	.322	.450	.041	.765	*.006
175	Carpentry and floor work:								
1751	Carpentry -----	4.7	19.1	90.0	.264	.365	.125	.554	.014
1752	Floor laying and other floor work -----	5.3	(S)	115.7	(S)	.402	(S)	(S)	.008
1761	Roofing, siding, and sheet metal work -----	9.2	25.8	126.1	.270	.438	.077	.518	.016
1771	Concrete work -----	5.9	23.5	108.2	.271	.414	.076	.637	.021
1781	Water well drilling -----	5.7	23.0	114.2	.251	.430	.029	.211	.015
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	19.1	35.3	118.8	.354	.238	.062	.916	.029
1793	Glass and glazing work -----	10.0	26.1	161.8	.249	.534	.106	.801	.029
1794	Excavation work -----	5.6	27.8	134.0	.263	.272	.129	.526	.035
1795	Wrecking and demolition work -----	7.8	26.8	129.9	.247	(D)	.138	.568	.094
1796	Installing building equipment, n.e.c. -----	20.0	31.5	125.7	.327	.247	.046	.304	.016
1799	Special trade contractors, n.e.c. -----	7.9	24.2	87.0	.352	(D)	.080	.397	.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
	MINNEAPOLIS-ST. PAUL, MN-WI MSA											
15,16,17	Construction industries -----	6 022	57 068	1 746 540	8 585 142	5 752 252	3 678 458	2 286 669	2 832 890	121 034	2	1
15	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses -----	1 062	3 861	82 032	626 103	390 582	188 316	220 047	235 521	4 817	5	6
1522	Other residential buildings -----	(S)	262	7 764	(D)	(D)	10 725	14 429	(D)	160	11	(D)
1531	Operative builders -----	262	1 418	47 540	748 053	432 744	226 664	224 836	315 308	2 236	9	12
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses -----	55	3 453	97 561	(D)	(D)	(D)	89 017	(D)	3 116	32	(D)
1542	Nonresidential buildings, n.e.c. -----	312	5 062	178 218	1 681 161	598 535	409 322	224 271	1 082 626	11 821	5	4
16	Heavy construction other than building construction—contractors:											
1611	Highway and street construction -----	58	2 566	110 089	491 100	(D)	259 259	185 415	(D)	15 773	9	(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 -----	99	1 743	57 377	227 036	193 336	122 453	71 725	33 700	10 907	6	5
1629	Heavy construction, n.e.c. -----	(S)	(S)	(S)	226 605	169 796	122 802	47 587	56 808	3 765	(S)	4
17	Special trade contractors:											
1711	Plumbing, heating, and air-conditioning -----	741	8 160	285 960	925 290	804 519	490 228	320 279	120 771	11 453	2	2
1721	Painting and paper hanging -----	324	1 842	48 307	129 043	120 374	86 367	34 569	8 670	3 562	6	5
1731	Electrical work -----	609	6 540	229 404	590 947	568 679	363 501	228 857	22 268	7 916	2	2
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work -----	295	2 211	52 100	163 961	152 503	95 304	57 367	11 458	2 852	8	6
1742	Plastering, drywall, and insulation work -----	253	2 821	82 743	228 516	203 671	130 721	74 482	24 845	1 751	4	4
1743	Terrazzo, tile, marble, and mosaic work -----	95	667	18 025	55 508	53 217	31 866	25 037	*2 291	*483	10	11
175	Carpentry and floor work:											
1751	Carpentry -----	401	2 378	48 523	165 505	145 852	96 337	50 297	(S)	1 517	7	8
1752	Floor laying and other floor work -----	(S)	767	16 945	68 768	62 922	35 597	27 797	(S)	1 009	12	10
1761	Roofing, siding, and sheet metal work -----	266	2 638	73 765	275 409	250 765	138 446	121 455	24 643	4 399	5	4
1771	Concrete work -----	344	2 742	69 316	240 935	221 029	130 636	98 470	19 906	9 035	6	5
1781	Water well drilling -----	50	(D)	7 456	27 386	26 267	16 164	10 103	1 119	1 720	(D)	4
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	28	868	31 582	86 328	80 682	63 175	19 075	5 646	1 459	4	2
1793	Glass and glazing work -----	42	507	14 215	58 956	51 413	25 896	31 561	7 542	1 035	4	15
1794	Excavation work -----	182	1 341	38 777	146 365	124 409	97 940	33 708	21 955	11 458	9	6
1795	Wrecking and demolition work -----	(S)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. -----	53	1 178	39 382	121 820	116 749	95 862	22 703	5 071	1 755	4	4
1799	Special trade contractors, n.e.c. -----	235	2 379	60 944	163 785	151 302	119 487	48 489	12 483	5 869	6	7

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Summary of Findings

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

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

During 1992, there were 44,045 establishments in this State operating in the construction industries. These establishments accounted for \$11.8 billion in total dollar value of business done.

Most of the 44,045 construction establishments were small. Of the total, 31,217 were nonemployers, and over half of the employer establishments had less than 5 employees. The 4,829 construction establishments with 5 employees or more, while representing only 11 percent of all establishments, accounted for more than 82 percent of the total dollar value of business done.

ESTABLISHMENTS WITH PAYROLL

During 1992, the establishments with paid employees accounted for \$11.0 billion in total dollar value of business done. Of this amount, \$10.8 billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to \$2.8 billion, leaving net value of construction work of \$8.0 billion. In addition, these establishments paid out \$3.8 billion for the cost of materials, fuels, power, rental of equipment and buildings,

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

and the cost of selected purchased services. Value added for 1992 was \$4.8 billion. (See Introduction and appendixes for explanation of terms.)

There were 12,828 establishments with total employment averaging 97,064 during the year. Total payroll for 1992 was \$2.4 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 31,217 establishments with no payroll classified as construction. According to administrative records of the Federal Government, their dollar value of business done during 1992 was \$769 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 

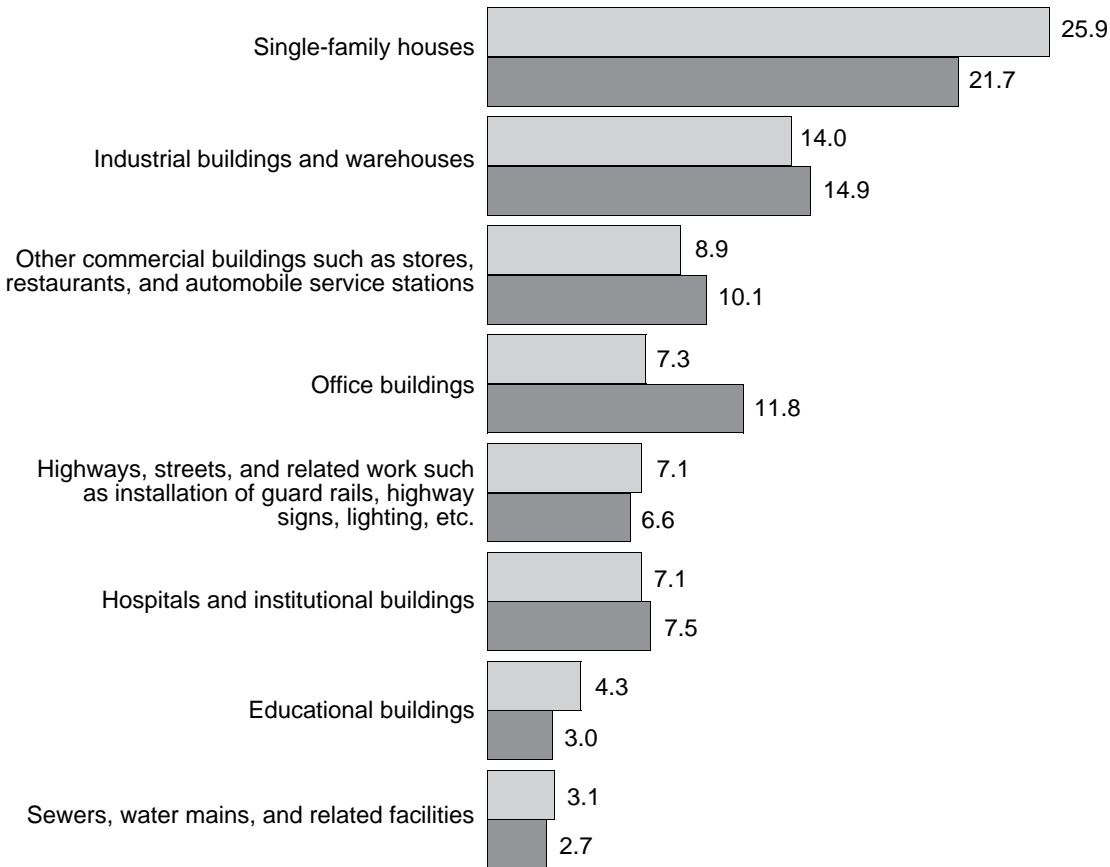




Figure 2. **Selected Costs per Dollar Value of Business Done**
(Percent)

1992 
1987 

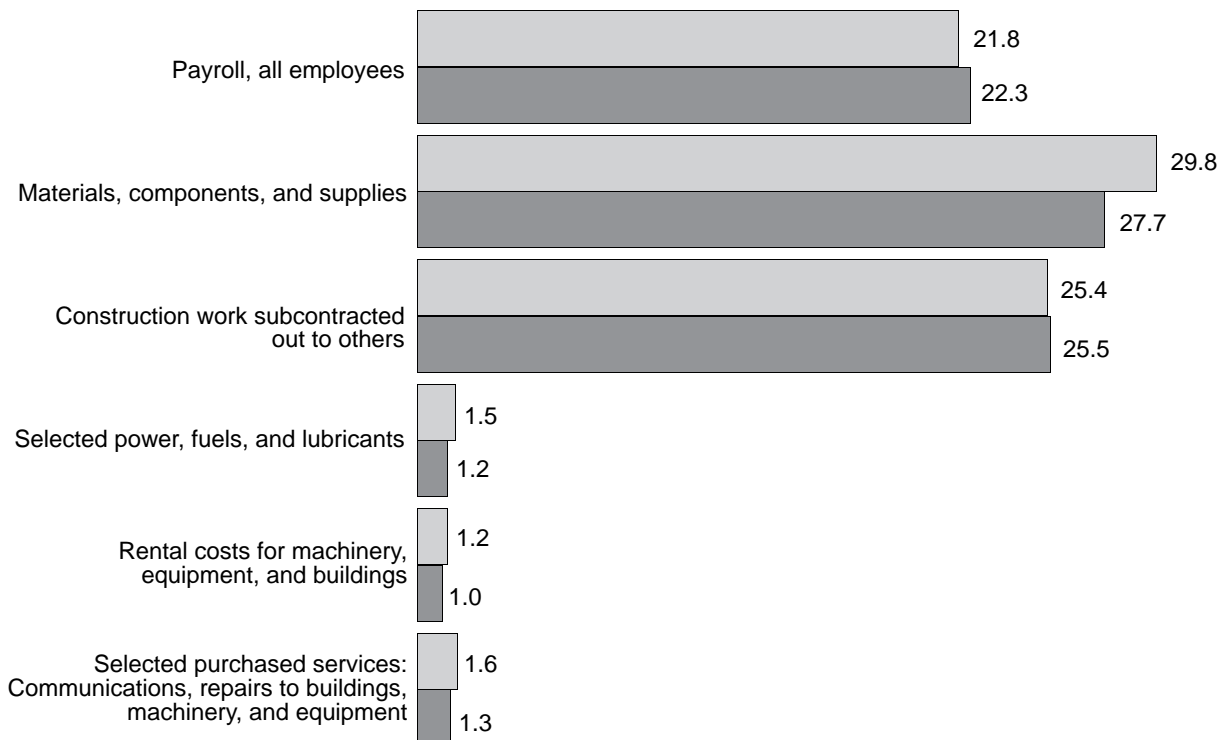


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1992 and 1987

[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 ¹	Number	Proprietors and working partners	All employees**	Dollar value of business done		
		A	B	C	D	E	F	G	H	I	J	K		
1992														
15, 16, 17	Construction industries -----	44 045	37 112	97 064	11 804 067	31 217	30 949	768 902	12 828	6 163	97 064	11 035 165	1	1
15	Building construction—General contractors and operative builders ----	9 052	6 838	25 212	4 962 777	5 185	4 956	294 849	3 867	1 882	25 212	4 667 928	2	2
16	Heavy construction other than building construction—contractors -----	1 441	917	13 921	1 935 938	536	520	16 440	905	397	13 921	1 919 498	2	2
17	Special trade contractors -----	33 552	29 357	57 931	4 905 352	25 496	25 473	457 613	8 056	3 884	57 931	4 447 739	1	1
1711	Plumbing, heating, and air-conditioning --	3 831	2 746	12 588	1 266 414	2 133	2 113	56 800	1 698	633	12 588	1 209 614	2	1
1731	Electrical work -----	2 307	1 666	8 737	731 343	1 416	1 400	24 233	891	266	8 737	707 110	2	2
1987														
15, 16, 17	Construction industries ² -----	46 787	38 010	105 191	12 415 405	35 330	34 825	1 454 682	11 457	3 185	105 191	10 960 723	1	1
15	Building construction—General contractors and operative builders ----	10 816	7 965	29 102	5 573 235	7 381	7 031	503 545	3 435	934	29 102	5 069 690	1	1
16	Heavy construction other than building construction—contractors -----	1 329	670	13 188	1 480 102	513	501	30 918	816	169	13 188	1 449 184	2	1
17	Special trade contractors -----	33 623	28 559	62 504	5 063 669	26 542	26 532	670 582	7 081	2 027	62 504	4 393 087	1	1
1711	Plumbing, heating, and air-conditioning --	3 741	2 614	13 070	1 311 794	2 321	2 313	89 952	1 420	301	13 070	1 221 842	2	1
1731	Electrical work -----	2 344	1 748	9 164	745 266	1 536	1 530	39 542	808	218	9 164	705 724	2	2

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

²Includes 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	Construction industries¹	12 828	97 064	75 777	2 402 222	1 758 121	10 764 435	7 956 207	4 773 150
15	Building construction—General contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses	2 330	9 360	7 196	154 918	108 470	927 277	681 402	353 345
1522	Other residential buildings	170	900	(S)	18 125	10 882	(S)	(S)	(D)
1531	Operative builders	388	2 481	1 602	67 287	36 560	775 756	543 871	296 806
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	197	4 085	3 010	131 471	93 695	884 869	494 716	309 229
1542	Nonresidential buildings, n.e.c.	781	8 386	5 909	224 366	138 025	1 784 379	683 860	388 783
16	Heavy construction other than building construction—contractors:								
1611	Highway and street construction	188	5 059	4 153	152 386	117 220	778 504	577 631	313 863
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	38	1 199	980	38 005	28 953	187 041	154 810	90 688
1623	Water, sewer, and utility lines	223	3 647	2 985	102 713	76 209	395 061	341 325	219 067
1629	Heavy construction, n.e.c.	456	4 017	3 355	103 916	84 238	498 716	391 804	(D)
17	Special trade contractors:								
1711	Plumbing, heating, and air-conditioning	1 698	12 588	9 488	357 367	266 489	1 199 720	1 033 047	600 699
1721	Painting and paper hanging	774	3 533	2 994	79 394	62 275	189 948	185 397	135 808
1731	Electrical work	891	8 737	6 706	246 536	181 004	702 057	672 730	419 205
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	540	4 311	3 836	81 122	67 572	202 474	194 512	134 687
1742	Plastering, drywall, and insulation work	425	3 778	3 179	95 728	78 303	236 275	213 284	143 975
1743	Terrazzo, tile, marble, and mosaic work	77	483	387	11 669	8 235	36 163	34 965	21 580
175	Carpentry and floor work:								
1751	Carpentry	812	3 942	3 222	78 550	60 542	267 881	228 992	152 684
1752	Floor laying and other floor work	262	1 513	1 100	34 179	24 063	120 061	114 746	57 815
1761	Roofing, siding, and sheet metal work	744	4 923	3 896	102 157	72 981	362 013	338 907	203 710
1771	Concrete work	744	5 030	4 283	99 414	77 906	329 350	309 788	177 880
1781	Water well drilling	56	310	225	6 616	4 514	25 173	24 782	13 276
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	70	1 520	1 213	50 775	38 762	192 371	170 763	122 110
1793	Glass and glazing work	66	400	266	10 915	6 962	38 868	38 515	19 018
1794	Excavation work	307	1 622	1 310	35 072	27 474	127 515	113 480	81 980
1795	Wrecking and demolition work	15	152	111	3 073	2 127	17 632	10 042	8 201
1796	Installing building equipment, n.e.c.	80	914	689	29 322	21 993	73 844	70 377	49 247
1799	Special trade contractors, n.e.c.	496	4 174	3 069	87 148	62 666	254 208	234 257	177 398

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	
3 453 787	2 808 228	2 966 895	136 306	194 051	1 678 965	105 191	10 501 073	4 867 062	1	1	3	15, 16, 17 15
360 548 47 432	245 875 (S)	48 833 834	7 452 1 059	7 682 982	57 859 (S)	8 054 1 271	675 705 205 348	302 189 46 160	4 18	6 (S)	14 39	152 1521 1522
265 101	231 885	26 863	1 146	2 845	20 858	3 558	790 402	212 954	8	5	18	1531
(D) 333 078	390 152 1 100 518	25 638 92 409	7 103 11 860	6 132 8 219	86 512 114 575	4 963 11 256	962 729 2 094 156	358 337 677 353	3 3	2 4	7 11	154 1541 1542
292 881	200 873	144 806	19 910	36 260	292 171	6 123	769 810	396 673	3	3	7	1611
67 243 125 994 185 730	32 231 53 736 106 912	23 941 82 239 67 381	4 066 13 451 13 296	4 562 20 371 26 322	50 169 152 833 198 391	1 457 2 966 2 642	140 984 272 319 239 753	52 901 156 472 131 140	4 4 4	16 3 4	6 7 14	162 1622 1623 1629
442 243	166 673	640 084	13 966	23 368	152 295	13 070	1 208 907	569 311	2	2	10	1711
50 537	4 551	120 762	3 221	4 058	21 437	4 683	203 370	154 850	4	3	27	1721
258 578	29 327	433 348	6 183	12 307	95 240	9 164	698 478	438 183	2	2	17	1731
60 111 77 302 14 048	7 962 22 991 1 198	139 522 180 247 26 788	1 997 1 934 *411	1 650 2 491 198	25 775 19 461 3 836	4 886 4 652 467	220 327 300 349 27 273	149 744 184 789 16 287	4 4 15	3 3 10	17 19 3	174 1741 1742 1743
(S) 59 149	(S) (S)	125 139 105 583	1 591 1 421	3 308 1 107	18 214 16 312	4 298 1 140	231 853 86 718	129 783 48 736	6 10	8 12	16 33	175 1751 1752
139 279	23 106	159 978	3 643	5 387	58 040	5 390	364 603	214 323	4	4	15	1761
134 326	19 561	196 189	5 646	10 053	86 948	6 306	400 481	233 113	5	4	16	1771
11 625	391	1 398	239	1 319	16 203	297	16 457	7 082	10	11	17	1781
(D) 20 359 32 355 2 159 (D) 86 287	21 608 353 14 035 7 590 3 468 19 951	96 235 28 355 107 773 6 264 19 759 66 527	4 370 421 5 429 918 1 461 4 112	1 626 554 8 628 404 1 082 3 137	26 037 3 381 104 488 3 533 8 396 28 019	1 031 620 2 186 107 822 3 385	64 911 54 134 156 413 12 822 65 086 207 505	46 720 28 267 109 122 8 646 44 696 130 050	6 10 10 14 5 5	4 14 8 13 5 4	21 20 15 (Z) 13 23	179 1791 1793 1794 1795 1796 1799

CONSTRUCTION—GEOGRAPHIC AREA SERIES

MISSOURI MO-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	12 828	11 457	9 115	10 545	1	1	2	2
Proprietors and working partners	6 163	3 185	3 050	6 219	2	4	3	4
All employees**	97 064	105 191	84 620	89 395	1	1	1	1
Construction workers:								
March	69 086	76 086	61 765	66 041	1	1	1	1
May	77 324	84 933	70 297	77 190	1	1	1	2
August	82 863	89 520	72 314	81 750	1	1	1	1
November	73 834	82 630	66 531	75 878	1	1	1	1
Average	75 777	83 292	68 595	75 275	1	1	1	1
Other employees:								
March	21 217	21 769	15 972	13 481	1	1	1	1
May	21 704	21 905	(NA)	(NA)	1	1	(NA)	(NA)
August	21 172	22 089	(NA)	(NA)	1	1	(NA)	(NA)
November	21 054	21 832	(NA)	(NA)	1	1	(NA)	(NA)
Average	21 287	21 898	(NA)	(NA)	1	1	(NA)	(NA)
Payroll, all employees	2 402 222	2 444 120	1 608 657	1 174 773	1	(Z)	1	1
Payroll, construction workers	1 758 121	1 796 436	1 236 615	936 178	1	1	1	1
Payroll, other employees	644 102	647 684	372 041	238 595	1	1	1	1
First-quarter payroll, all employees	520 386	554 220	347 687	235 826	1	1	1	1
Fringe benefits, all employees	641 327	590 724	274 897	217 641	1	1	1	1
Legally required expenditures	394 845	369 759	209 742	112 940	1	1	1	1
Voluntary expenditures	246 481	220 965	65 154	104 701	1	1	1	(Z)
Dollar value of business done	11 035 165	10 960 723	6 637 786	4 657 718	1	1	1	1
Value of construction work	10 764 435	10 501 073	6 450 207	4 500 045	1	1	1	1
Value of construction work subcontracted in from others	2 966 895	2 500 649	1 517 490	1 120 704	2	2	1	1
Other business receipts	270 729	338 330	151 815	157 673	7	2	2	3
Net value of construction†	7 956 207	7 702 288	4 645 229	3 425 673	1	1	1	1
Value added††	4 773 150	4 867 062	2 878 793	2 062 343	1	1	1	1
Selected costs	6 262 015	5 972 341	3 723 228	2 540 577	1	1	1	1
Materials, components, and supplies	3 283 988	3 038 390	1 812 668	1 382 127	1	1	1	1
Construction work subcontracted out to others	2 808 228	2 798 785	1 804 977	1 074 372	1	1	1	1
Selected power, fuels, and lubricants	169 799	135 165	105 582	84 077	2	1	1	1
Electricity	27 695	20 242	14 645	9 269	3	2	2	2
Natural gas	9 574	7 771	6 388	15 120	8	4	3	1
Gasoline and diesel fuel	122 403	98 700	76 869	49 461	2	1	2	1
On highway use	84 293	70 164	(NA)	(NA)	2	1	(NA)	(NA)
Off highway use	38 110	28 536	(NA)	(NA)	3	3	(NA)	(NA)
Other, including lubricating oils and greases	10 126	8 451	7 679	10 228	3	4	3	3
Rental cost for machinery, equipment, and buildings	136 306	114 690	65 942	46 314	3	2	1	1
For machinery and equipment	96 483	78 665	48 597	38 076	3	2	2	1
For buildings	39 823	36 025	17 344	8 238	4	3	3	2
Selected purchased services	180 598	138 161	90 661	77 245	2	2	2	2
Communication services	46 161	35 587	24 051	17 920	3	2	2	2
Repairs to buildings and other structures	9 127	7 896	5 901	3 400	4	5	2	5
Repairs to machinery and equipment	125 310	94 677	60 708	55 925	3	2	2	2
Ownership of construction projects:								
Value of construction work	10 764 435	10 501 073	6 450 207	4 500 045	1	1	1	1
Government owned	2 566 642	2 174 832	1 242 260	882 779	2	2	2	1
Federal	683 313	540 094	(NA)	(NA)	4	3	(NA)	(NA)
State and local	1 883 329	1 634 737	(NA)	(NA)	3	2	(NA)	(NA)
Privately owned	8 197 793	8 326 241	5 207 946	3 617 267	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
BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT				
Beginning-of-year gross book value of depreciable assets	1 555 384	1 321 453	2	3
Capital expenditures, other than land	194 051	152 912	3	3
New	144 171	111 495	4	3
Used	49 880	41 416	6	6
Retirements and disposition of depreciable assets	70 470	94 598	6	5
End-of-year gross book value of depreciable assets	1 678 965	1 379 767	2	2
Depreciation charges during year	162 429	157 741	3	2
Buildings and Other Structures, Additions, and Related Facilities				
Beginning-of-year gross book value of depreciable assets	195 132	294 898	4	9
Capital expenditures, other than land	12 780	21 051	12	8
New buildings and other structures	9 659	15 578	14	9
Used buildings and other structures	3 121	5 472	18	16
Retirements and disposition of depreciable assets	4 610	17 692	23	21
End-of-year gross book value of depreciable assets	203 301	298 257	4	8
Depreciation charges during year	14 316	20 186	7	8
Machinery and Equipment				
Beginning-of-year gross book value of depreciable assets	1 360 252	1 026 555	2	2
Capital expenditures, other than land	181 271	131 860	3	3
New machinery and equipment, including automobiles and trucks	134 512	95 916	4	3
New automobiles and trucks, intended primarily for highway use	38 592	42 101	5	4
Used machinery and equipment, including automobiles and trucks	46 759	35 944	6	7
Retirements and disposition of depreciable assets	65 860	76 905	6	3
End-of-year gross book value of depreciable assets	1 475 663	1 081 510	2	2
Depreciation charges during year	148 112	137 555	3	2

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

Table 5. Value of Inventories for Establishments With Payroll: 1992 and 1991

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

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	12 828	1
Value of construction work	10 764 435	1
Establishments with inventories:		
Number	3 585	2
Value of construction work	5 040 980	1
Inventories¹:		
End of 1992, materials and supplies	142 371	4
End of 1991, materials and supplies	141 253	4
Establishments with no inventories:		
Number	4 970	2
Value of construction work	3 770 988	2
Establishments not reporting:		
Number	4 273	2
Value of construction work	1 952 467	2

¹Inventories 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
1992										
Number of establishments	12 828	8 000	2 683	1 232	671	162	64	10	6	1
All employees**	97 064	15 107	16 971	16 037	19 702	11 022	9 637	3 517	5 071	(D)
Payroll, all employees	2 402 222	226 241	327 326	385 825	539 954	322 938	305 638	118 727	175 573	(D)
Dollar value of business done	11 035 165	1 366 214	1 454 426	1 646 226	2 163 502	1 401 299	1 298 987	634 070	1 070 441	(D)
Value of construction work	10 764 435	1 347 309	1 413 016	1 628 545	2 123 689	1 361 378	1 252 705	615 506	1 022 288	(D)
Net value of construction work†	7 956 207	1 092 135	1 121 459	1 279 047	1 628 221	979 466	931 446	389 738	534 695	(D)
Value added††	4 773 150	578 925	657 370	764 520	964 700	618 795	608 961	242 001	337 878	(D)
Cost of materials, components, supplies, and fuels	3 453 787	532 115	505 499	532 208	703 334	400 592	368 767	166 301	244 970	(D)
Cost of construction work subcontracted out to others	2 808 228	255 174	291 557	349 498	495 468	381 912	321 259	225 768	487 593	(D)
Rental cost for machinery, equipment, and buildings	136 306	10 164	17 813	23 127	30 100	23 947	16 741	7 185	7 228	(D)
Capital expenditures, other than land	194 051	28 818	25 732	31 111	34 083	26 190	15 552	27 237	5 328	(D)
End-of-year gross book value of depreciable assets	1 678 965	176 791	212 717	254 101	335 520	267 711	189 807	150 079	92 239	(D)
1987										
All employees**	105 191	13 542	15 939	18 056	23 405	11 711	10 731	5 666	6 137	(D)
Value of construction work	10 501 073	1 098 788	1 130 071	1 354 870	2 363 988	1 466 273	1 137 596	1 949 486	(D)	(D)
Value added††	4 867 062	482 663	534 029	683 931	1 074 145	666 093	891 997	(D)	534 203	(D)
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	3	4	4	2	2	(Z)	(Z)	(Z)	(D)
Net value of construction work†	1	4	5	4	2	1	(Z)	(Z)	(Z)	(D)
Capital expenditures, other than land	3	13	14	10	4	(Z)	(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
1992											
Number of establishments	12 828	(S)	(S)	2 180	3 292	2 249	1 433	995	426	190	138
All employees**	97 064	(S)	(S)	3 785	10 122	11 526	12 922	15 472	11 771	9 479	19 968
Payroll, all employees	2 402 222	(S)	(S)	45 058	146 115	205 947	275 233	397 927	335 745	282 008	697 546
Dollar value of business done	11 035 165	(S)	(S)	157 412	527 958	788 646	981 181	1 519 817	1 480 815	1 328 827	4 199 106
Value of construction work	10 764 435	(S)	(S)	155 067	523 290	771 437	969 056	1 497 552	1 432 364	1 303 796	4 060 990
Net value of construction work†	7 956 207	(S)	(S)	144 672	477 339	689 401	832 286	1 233 842	1 085 736	969 356	2 476 196
Value added††	4 773 150	(S)	(S)	90 417	291 694	386 325	491 111	744 829	673 926	550 454	1 516 194
Cost of materials, components, supplies, and fuels	3 453 787	(S)	(S)	56 600	190 314	320 286	353 300	511 277	460 262	443 933	1 098 117
Cost of construction work subcontracted out to others	2 808 228	(S)	(S)	10 395	45 951	82 036	136 769	263 710	346 628	334 440	1 584 795
Rental cost for machinery, equipment, and buildings	136 306	(S)	(S)	(S)	5 577	10 182	16 411	20 098	20 929	14 693	45 775
Capital expenditures, other than land	194 051	(S)	(S)	(S)	16 043	22 073	19 996	29 796	20 610	15 958	64 614
End-of-year gross book value of depreciable assets	1 678 965	(S)	(S)	(S)	98 372	156 767	167 125	249 607	215 826	176 057	575 142
1987											
All employees**	105 191	(S)	(S)	(S)	11 573	11 176	14 100	17 422	12 727	9 843	23 093
Value of construction work	10 501 073	(S)	(S)	(S)	531 388	614 274	989 902	1 569 396	1 240 408	1 142 011	4 258 142
Value added††	4 867 062	(S)	(S)	(S)	287 492	330 447	512 912	772 599	639 462	536 763	1 698 103
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	1	(S)	(S)	7	5	5	5	3	3	2	(Z)
Net value of construction work†	1	(S)	(S)	5	4	5	5	4	4	4	1
Capital expenditures, other than land	3	(S)	(S)	(S)	20	16	13	10	4	1	(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
1992								
Value of construction work	10 764 435	6 459 426	2 749 378	1 229 912	1	1	1	2
Building construction	8 028 208	4 926 358	2 256 915	844 934	1	2	2	2
Single-family houses	2 789 997	2 064 801	450 033	275 164	3	3	4	5
Single-family houses, detached	2 596 376	1 938 043	419 322	239 012	3	3	4	5
Single-family houses, attached, including townhouses and townhouse-type condominiums	193 620	126 758	30 711	36 152	11	14	16	22
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	235 618	152 353	41 826	41 439	16	25	8	9
Other residential buildings, including hotels, motels, and tourist cabins	122 366	52 152	55 741	14 473	9	14	9	15
Office buildings	786 150	394 231	304 169	87 749	3	1	7	4
Other commercial buildings such as stores, restaurants, and automobile service stations	961 474	554 189	280 199	127 085	3	3	4	5
Industrial buildings and warehouses	1 504 810	819 204	508 924	176 682	1	1	1	4
Industrial buildings	1 263 053	663 750	449 826	149 477	1	1	1	4
Warehouses	241 757	155 454	59 098	27 205	4	5	6	6
Religious buildings	150 825	90 190	46 521	14 114	13	21	6	8
Educational buildings	460 671	261 961	162 116	36 594	3	2	5	8
Hospitals and institutional buildings	761 220	357 865	358 044	45 311	1	1	2	4
Amusement, social, and recreational buildings, indoors	123 026	97 587	19 768	5 672	2	2	3	5
Other nonresidential buildings	132 051	81 825	29 575	20 651	8	9	7	33
Nonbuilding construction	2 410 509	1 533 068	492 463	384 979	2	2	2	3
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	762 370	443 136	166 035	153 198	3	3	3	6
Airport runways and related work	73 115	(D)	(D)	(D)	3	(D)	(D)	(D)
Private driveways and parking areas	74 778	34 230	17 366	23 183	9	11	14	16
Recreational facilities	67 149	65 069	*1 980	*101	19	19	51	59
Bridges, tunnels, and elevated highways	217 971	191 579	15 916	10 476	12	13	8	17
Dam and reservoir construction	17 128	(D)	(D)	(D)	3	(D)	(D)	(D)
Conservation and development construction	76 801	28 393	43 040	5 368	8	13	9	17
Power and communication transmission lines, towers, and related facilities	155 846	107 028	12 378	36 440	5	6	8	6
Sewers, water mains, and related facilities	331 612	221 094	83 612	26 906	3	5	2	9
Sewers, sewer lines, septic systems, and related facilities	209 202	118 344	73 813	17 045	3	5	2	9
Water mains and related facilities	122 411	102 750	9 800	9 861	6	6	9	13
Blast furnaces, petroleum refineries, chemical complexes, etc.	164 240	45 623	37 843	80 774	1	(Z)	(Z)	2
Power plants	92 357	48 474	27 033	16 850	2	2	2	8
Sewage treatment and water treatment plants	194 167	136 448	52 522	5 196	7	6	10	23
Sewage treatment plants	126 477	94 777	28 964	2 736	7	5	11	34
Water treatment plants	67 689	41 671	23 558	2 460	8	8	9	30
Other nonbuilding construction	182 974	135 561	21 823	25 590	4	4	11	12
Construction work, n.s.k.	325 719	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)
1987								
Value of construction work	10 501 073	7 001 958	2 104 815	1 028 725	1	1	1	2
Building construction	8 284 683	5 758 206	1 746 400	752 233	1	1	1	2
Single-family houses	2 281 804	1 727 313	327 306	227 184	2	3	4	5
Single-family houses, detached	2 034 970	1 536 381	294 199	204 390	2	3	5	5
Single-family houses, attached, including townhouses and townhouse-type condominiums	246 833	190 932	33 106	22 794	5	6	15	10
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	368 117	266 757	66 385	34 974	7	9	13	6
Other residential buildings, including hotels, motels, and tourist cabins	357 478	299 999	34 965	22 514	3	3	13	10
Office buildings	1 239 365	901 226	241 209	96 929	1	1	2	2
Other commercial buildings such as stores, restaurants, and automobile service stations	1 062 840	700 959	266 046	95 834	3	3	4	4
Industrial buildings and warehouses	1 563 155	1 027 283	373 755	162 116	1	1	2	2
Industrial buildings	1 258 228	806 619	314 858	136 750	1	1	1	2
Warehouses	304 926	220 663	58 897	25 366	3	3	7	5
Religious buildings	106 350	52 990	38 191	15 168	4	5	5	8
Educational buildings	315 869	178 627	103 161	34 080	3	3	5	6
Hospitals and institutional buildings	788 361	502 560	248 738	37 062	1	1	2	3
Amusement, social, and recreational buildings, indoors	79 683	44 267	22 383	13 032	6	3	11	21
Other nonresidential buildings	121 661	79 818	24 672	17 180	(NA)	(NA)	(NA)	(NA)
Nonbuilding construction	1 850 816	1 220 159	358 004	272 652	1	2	2	3
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	688 642	421 914	184 118	82 609	2	2	3	6
Bridges, tunnels, and elevated highways	152 813	109 073	29 763	13 976	5	6	2	25
Power and communication transmission lines, towers, and related facilities	89 703	47 471	18 079	24 152	7	8	18	4
Sewers, water mains, and related facilities	283 081	237 993	28 017	17 070	3	3	4	14
Sewers, sewer lines, septic systems, and related facilities	198 378	163 392	24 692	10 293	3	2	4	17
Water mains and related facilities	84 702	74 600	3 325	6 776	6	6	11	16
Blast furnaces, petroleum refineries, chemical complexes, etc.	70 936	29 211	25 133	16 591	1	1	(Z)	6
Power plants	53 740	33 600	4 751	15 388	7	8	31	10
Sewage treatment and water treatment plants	133 338	105 954	22 157	5 226	3	3	6	5
Sewage treatment plants	90 713	69 323	17 911	3 478	3	3	6	7
Water treatment plants	42 625	36 630	4 246	1 748	6	6	16	6
Other nonbuilding construction	378 562	234 943	45 958	97 639	(NA)	(NA)	(NA)	(NA)
Construction work, n.s.k.	365 574	(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 ¹				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
15, 16, 17	Construction industries -----	12 828	75 777	69 086	77 324	82 863	73 834	1	1	1	1	1	1	1
15	Building construction—General contractors and operative builders:													
152	General contractors, residential buildings:													
1521	Single-family houses -----	2 330	7 196	6 915	7 423	7 621	6 825	3	5	5	5	5	5	5
1522	Other residential buildings -----	170	(S)	(S)	(S)	559	(S)	18	(S)	(S)	(S)	20	(S)	(S)
1531	Operative builders -----	388	1 602	1 496	1 680	1 728	1 505	10	9	9	9	9	9	9
154	General contractors, nonresidential buildings:													
1541	Industrial buildings and warehouses -----	197	3 010	2 894	3 091	3 082	2 975	13	4	4	4	4	4	3
1542	Nonresidential buildings, n.e.c. ---	781	5 909	5 527	5 976	6 364	5 770	7	4	3	3	4	4	4
16	Heavy construction other than building construction—contractors:													
1611	Highway and street construction ----	188	4 153	2 855	4 669	5 427	3 663	10	3	3	3	3	3	3
162	Heavy construction, except highway:													
1622	Bridge, tunnel, and elevated highway construction -----	38	980	840	1 094	1 168	818	17	4	3	5	5	5	5
1623	Water, sewer, and utility lines -----	223	2 985	2 784	3 035	3 182	2 939	9	4	4	4	5	4	4
1629	Heavy construction, n.e.c. -----	456	3 355	2 835	3 573	3 900	3 114	8	4	5	4	4	4	5
17	Special trade contractors:													
1711	Plumbing, heating, and air-conditioning -----	1 698	9 488	8 816	9 287	9 679	10 171	2	2	2	2	2	2	2
1721	Painting and paper hanging -----	774	2 994	2 584	3 091	3 412	2 888	3	4	5	4	4	4	5
1731	Electrical work -----	891	6 706	6 452	6 463	7 203	6 705	3	2	2	2	3	3	3
174	Masonry, stonework, tile setting, and plastering:													
1741	Masonry, stone setting, and other stonework -----	540	3 836	3 663	4 070	3 890	3 720	4	4	4	4	4	4	4
1742	Plastering, drywall, and insulation work -----	425	3 179	2 998	3 047	3 450	3 221	6	4	4	4	5	4	4
1743	Terrazzo, tile, marble, and mosaic work -----	77	387	384	376	444	346	10	16	13	21	21	16	16
175	Carpentry and floor work:													
1751	Carpentry -----	812	3 222	2 974	3 236	3 582	3 097	5	6	6	5	6	6	6
1752	Floor laying and other floor work --	262	1 100	1 086	1 067	1 168	1 079	9	10	11	11	10	10	10
1761	Roofing, siding, and sheet metal work -----	744	3 896	3 350	3 891	4 454	3 890	4	4	4	4	4	4	4
1771	Concrete work -----	744	4 283	3 604	4 583	4 978	3 969	5	5	5	5	5	5	5
1781	Water well drilling -----	56	225	211	224	241	223	9	7	6	6	6	6	9
179	Miscellaneous special trade contractors:													
1791	Structural steel erection -----	70	1 213	1 242	1 035	1 303	1 270	11	7	7	8	8	7	7
1793	Glass and glazing work -----	66	266	252	241	278	292	18	9	9	9	10	9	9
1794	Excavation work -----	307	1 310	1 143	1 329	1 479	1 287	9	9	10	9	9	9	9
1795	Wrecking and demolition work -----	15	111	110	118	121	96	21	11	8	13	13	7	7
1796	Installing building equipment, n.e.c. -----	80	689	636	628	722	768	13	5	5	6	5	5	5
1799	Special trade contractors, n.e.c. ---	496	3 069	2 789	3 399	3 430	2 659	8	5	5	6	6	6	6

¹Construction 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
15, 16, 17	Construction industries -----	7.6	24.7	142.1	.223	.321	.261	.276	.013
15	Building construction—General contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	4.0	16.6	128.9	.167	.389	.265	.053	.008
1522	Other residential buildings -----	5.3	20.1	(S)	(S)	(S)	(S)	(S)	(S)
1531	Operative builders -----	6.4	27.1	484.2	.087	.342	.299	.035	.001
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	20.7	32.2	294.0	.149	(D)	.441	.029	.008
1542	Nonresidential buildings, n.e.c. -----	10.7	26.8	302.0	.126	.187	.617	.052	.007
16	Heavy construction other than building construction—contractors:								
1611	Highway and street construction -----	27.0	30.1	187.5	.196	.376	.258	.186	.026
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	31.3	31.7	190.9	.203	.360	.172	.128	.022
1623	Water, sewer, and utility lines -----	16.3	28.2	132.3	.260	.319	.136	.208	.034
1629	Heavy construction, n.e.c. -----	8.8	25.9	148.6	.208	.372	.214	.135	.027
17	Special trade contractors:								
1711	Plumbing, heating, and air-conditioning -----	7.4	28.4	126.4	.298	.369	.139	.534	.012
1721	Painting and paper hanging -----	4.6	22.5	63.4	.418	.266	.024	.636	.017
1731	Electrical work -----	9.8	28.2	104.7	.351	.368	.042	.617	.009
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework -----	8.0	18.8	52.8	.401	.297	.039	.689	.010
1742	Plastering, drywall, and insulation work -----	8.9	25.3	74.3	.405	.327	.097	.763	.008
1743	Terrazzo, tile, marble, and mosaic work -----	6.3	24.2	93.4	.323	.388	.033	.741	*.011
175	Carpentry and floor work:								
1751	Carpentry -----	4.9	19.9	83.1	.293	(S)	(S)	.467	.006
1752	Floor laying and other floor work -----	5.8	22.6	109.1	.285	.493	(S)	.879	.012
1761	Roofing, siding, and sheet metal work -----	6.6	20.8	92.9	.282	.385	.064	.442	.010
1771	Concrete work -----	6.8	19.8	76.9	.302	.408	.059	.596	.017
1781	Water well drilling -----	5.5	21.3	111.9	.263	.462	.016	.056	.009
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	21.8	33.4	158.6	.264	(D)	.112	.500	.023
1793	Glass and glazing work -----	6.0	27.3	146.1	.281	.524	.009	.730	.011
1794	Excavation work -----	5.3	21.6	97.3	.275	.254	.110	.845	.043
1795	Wrecking and demolition work -----	10.3	20.2	158.8	.174	.122	.430	.355	.052
1796	Installing building equipment, n.e.c. -----	11.5	32.1	107.2	.397	(D)	.047	.268	.020
1799	Special trade contractors, n.e.c. -----	8.4	20.9	82.8	.343	.339	.078	.262	.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
KANSAS CITY, MO-KS MSA												
15,16,17	Construction industries	4 037	37 512	941 580	4 126 782	3 085 130	1 805 277	1 364 250	1 041 652	79 702	1	2
15	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	590	2 551	46 101	332 376	217 338	111 888	126 959	115 039	3 197	12	21
1522	Other residential buildings	(S)	568	12 873	56 072	38 430	20 046	18 445	17 643	(D)	15	12
1531	Operative builders	131	392	8 673	193 797	127 409	44 664	86 052	66 388	1 310	22	19
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	(S)	731	21 688	144 066	90 960	55 181	36 811	53 106	902	9	7
1542	Nonresidential buildings, n.e.c.	252	3 129	85 789	751 948	282 190	147 217	148 004	469 758	4 302	4	4
16	Heavy construction other than building construction—contractors:											
1611	Highway and street construction	69	2 196	65 260	276 991	209 663	124 216	103 186	67 329	18 728	5	5
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	14	672	20 182	116 127	93 920	54 520	42 917	22 207	3 104	7	26
1623	Water, sewer, and utility lines	99	2 477	77 243	268 061	232 664	149 464	83 857	35 396	13 566	5	2
1629	Heavy construction, n.e.c.	91	988	22 275	111 239	96 129	58 782	37 859	(S)	(S)	7	4
17	Special trade contractors:											
1711	Plumbing, heating, and air-conditioning	510	5 231	155 548	598 072	515 266	289 031	229 680	82 807	7 190	3	4
1721	Painting and paper hanging	299	1 484	30 176	72 217	69 428	50 481	19 044	2 789	(S)	7	6
1731	Electrical work	290	3 033	86 252	263 555	249 272	151 491	99 765	14 283	3 257	4	3
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work	161	2 288	35 753	91 475	89 171	63 665	25 544	2 304	694	4	5
1742	Plastering, drywall, and insulation work	145	1 337	31 302	81 909	71 238	47 613	27 342	10 671	773	7	6
1743	Terrazzo, tile, marble, and mosaic work	22	182	5 501	(D)	14 540	8 455	6 382	(D)	147	10	8
175	Carpentry and floor work:											
1751	Carpentry	324	1 457	27 861	(S)	(S)	53 914	(S)	(S)	1 675	9	(S)
1752	Floor laying and other floor work ...	105	493	11 598	38 034	34 310	20 000	15 287	(S)	175	13	12
1761	Roofing, siding, and sheet metal work	(S)	2 299	52 592	168 964	161 388	104 669	58 931	7 575	2 983	7	3
1771	Concrete work	316	2 638	51 550	174 396	166 206	89 534	78 101	8 190	5 326	6	6
1781	Water well drilling	(S)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	22	566	15 341	41 338	38 687	26 200	13 133	2 651	221	7	5
1793	Glass and glazing work	26	(D)	(D)	17 085	16 875	(D)	9 683	210	167	(D)	19
1794	Excavation work	71	548	14 725	47 600	40 718	30 508	10 419	6 882	3 308	11	10
1795	Wrecking and demolition work	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. ...	47	545	21 278	58 362	52 362	37 261	15 385	6 000	879	8	8
1799	Special trade contractors, n.e.c.	(S)	1 422	33 993	83 840	74 744	52 842	26 455	9 096	1 068	7	7
ST. LOUIS, MO-IL MSA												
15,16,17	Construction industries	6 082	55 365	1 548 072	6 937 162	4 977 510	3 106 041	2 055 513	1 959 652	99 753	1	1
15	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	1 113	5 395	100 063	547 029	406 977	217 550	195 903	140 051	5 377	6	8
1522	Other residential buildings	(S)	463	11 296	(S)	(S)	(S)	(S)	(S)	(S)	28	(S)
1531	Operative builders	175	1 825	56 639	618 927	439 125	251 807	201 479	179 803	2 002	7	5
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	89	2 953	102 976	690 995	377 033	244 934	179 810	313 962	4 853	2	1
1542	Nonresidential buildings, n.e.c.	336	4 407	135 675	1 215 224	399 504	236 786	194 070	815 720	4 492	4	5
16	Heavy construction other than building construction—contractors:											
1611	Highway and street construction	106	2 414	74 124	392 285	280 219	161 796	134 227	112 066	10 436	6	5
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	17	417	17 276	76 814	62 811	34 589	28 557	14 003	1 849	6	4
1623	Water, sewer, and utility lines	104	1 858	52 923	212 691	188 279	132 470	56 327	24 412	12 425	5	5
1629	Heavy construction, n.e.c.	159	2 487	82 619	351 757	286 491	187 106	116 320	65 266	15 566	4	3

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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
	ST. LOUIS, MO-IL MSA—Con.											
15,16,17	Construction industries—Con.											
	Special trade contractors:											
1711	Plumbing, heating, and air-conditioning-----	840	6 732	214 643	653 031	556 451	333 009	228 900	96 580	11 327	3	2
1721	Painting and paper hanging-----	449	2 425	60 781	146 028	143 220	104 480	38 788	2 808	2 551	5	4
1731	Electrical work-----	373	5 162	167 446	449 043	430 218	281 704	155 770	18 825	7 643	3	2
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work-----	280	1 857	46 197	120 933	115 491	75 298	40 439	5 442	853	8	7
1742	Plastering, drywall, and insulation work-----	183	2 179	64 292	150 344	135 241	92 248	46 684	15 103	762	6	4
1743	Terrazzo, tile, marble, and mosaic work-----	52	299	6 988	22 027	(D)	13 714	8 306	(D)	33	24	(D)
175	Carpentry and floor work:											
1751	Carpentry-----	378	2 141	49 587	167 291	143 471	100 895	46 046	(S)	1 990	9	12
1752	Floor laying and other floor work---	(S)	1 160	27 118	92 397	90 965	45 174	47 431	(S)	1 071	13	14
1761	Roofing, siding, and sheet metal work-----	356	2 661	58 212	203 364	190 098	113 230	79 437	13 266	1 972	6	5
1771	Concrete work-----	(S)	2 978	72 139	221 714	206 387	121 185	85 669	15 327	5 452	5	4
1781	Water well drilling-----	13	178	4 483	14 766	14 545	8 226	6 400	221	811	15	18
179	Miscellaneous special trade contractors:											
1791	Structural steel erection-----	43	1 024	37 073	149 533	130 566	93 299	37 267	18 967	998	8	5
1793	Glass and glazing work-----	31	190	5 788	22 235	22 163	11 483	11 287	(S)	198	15	21
1794	Excavation work-----	122	805	17 955	76 551	60 814	42 752	18 837	15 737	3 837	10	8
1795	Wrecking and demolition work-----	*19	149	2 910	18 084	(D)	9 035	1 607	(D)	272	18	(D)
1796	Installing building equipment, n.e.c.---	35	471	16 230	38 473	37 804	27 027	11 101	669	447	8	7
1799	Special trade contractors, n.e.c.---	215	2 735	62 642	191 574	176 777	139 395	60 934	14 797	1 833	6	5

Contents

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Summary of Findings

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

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

During 1992, there were 13,610 establishments in this State operating in the construction industries. These establishments accounted for \$3.6 billion in total dollar value of business done.

Most of the 13,610 construction establishments were small. Of the total, 9,286 were nonemployers, and over half of the employer establishments had less than 5 employees. The 1,742 construction establishments with 5 employees or more, while representing only 13 percent of all establishments, accounted for more than 83 percent of the total dollar value of business done.

ESTABLISHMENTS WITH PAYROLL

During 1992, the establishments with paid employees accounted for \$3.4 billion in total dollar value of business done. Of this amount, \$3.3 billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to \$739 million, leaving net value of construction work of \$2.6 billion. In addition, these establishments paid out \$1.3 billion for the cost of materials, fuels, power, rental of equipment and buildings,

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

and the cost of selected purchased services. Value added for 1992 was \$1.4 billion. (See Introduction and appendixes for explanation of terms.)

There were 4,324 establishments with total employment averaging 30,092 during the year. Total payroll for 1992 was \$650 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 9,286 establishments with no payroll classified as construction. According to administrative records of the Federal Government, their dollar value of business done during 1992 was \$219 million. 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 

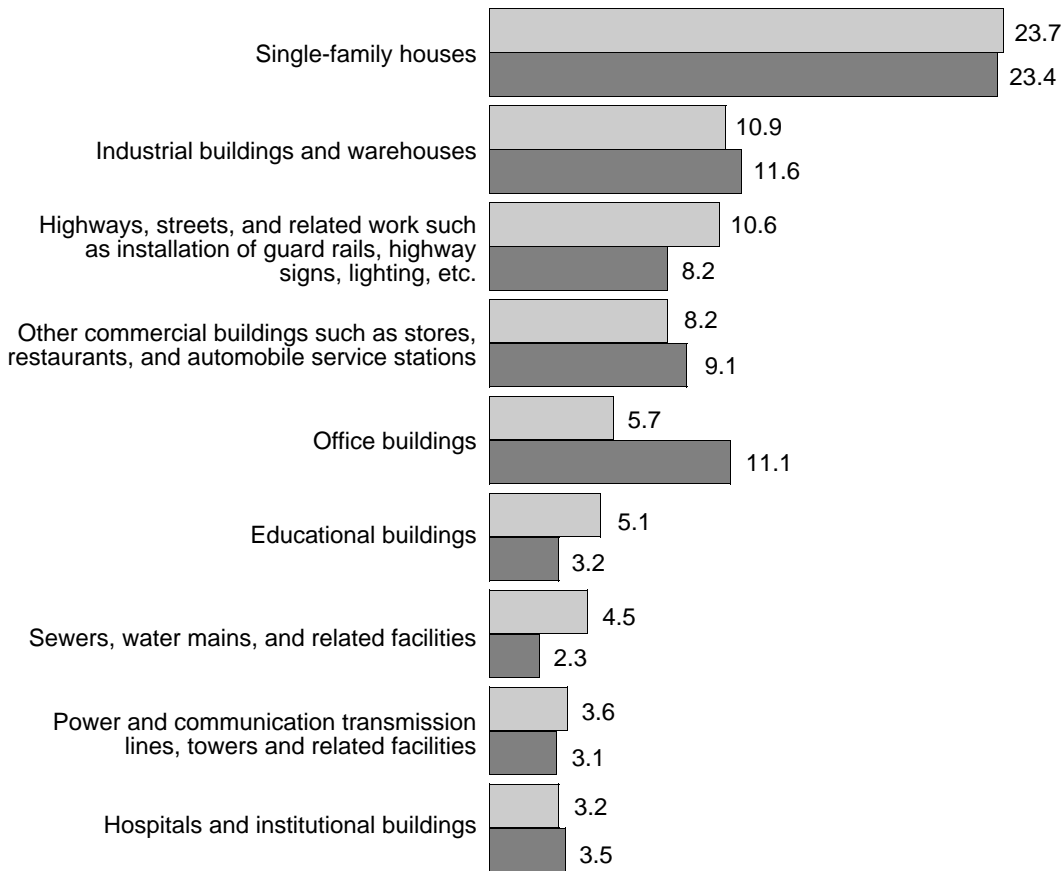




Figure 2. **Selected Costs per Dollar Value of Business Done**
(Percent)

1992 
1987 

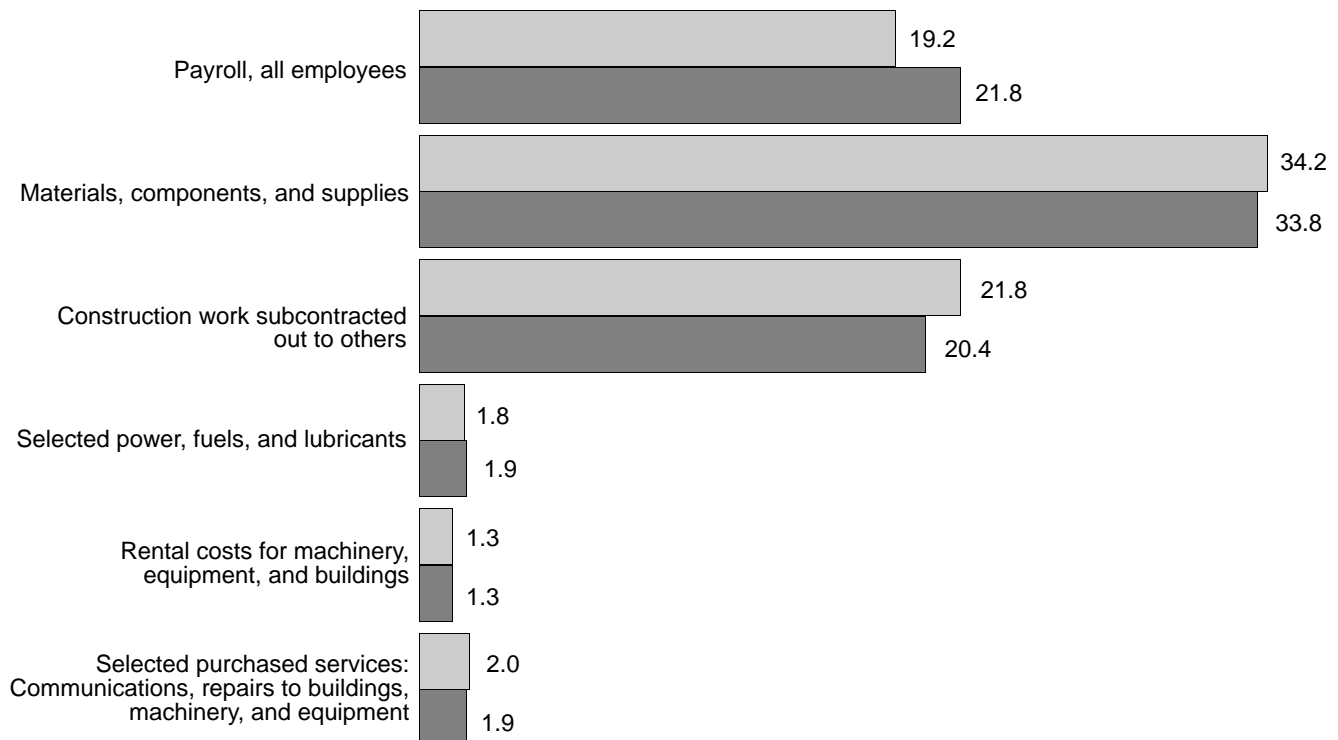


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1992 and 1987

[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 ¹	Number	Proprietors and working partners	All employees**	Dollar value of business done			
		A	B	C	D	E	F	G	H	I	J	K			J
1992															
15, 16, 17	Construction industries -----	13 610	11 243	30 092	3 605 219	9 286	9 236	219 400	4 324	2 007	30 092	3 385 819	1	2	
15	Building construction—General contractors and operative builders ----	2 445	1 730	7 224	1 160 085	1 203	1 138	60 116	1 242	592	7 224	1 099 969	3	3	
16	Heavy construction other than building construction—contractors -----	567	278	5 328	996 696	165	162	5 565	402	116	5 328	991 131	4	4	
17	Special trade contractors -----	10 598	9 235	17 540	1 448 438	7 918	7 936	153 719	2 680	1 299	17 540	1 294 719	2	2	
1711	Plumbing, heating, and air-conditioning --	1 159	721	4 824	416 947	538	531	16 012	621	190	4 824	400 935	3	3	
1731	Electrical work -----	1 068	866	2 587	216 997	672	670	14 335	396	196	2 587	202 662	3	3	
1987															
15, 16, 17	Construction industries ² -----	14 181	11 418	26 566	2 557 914	10 315	10 145	358 519	3 866	1 273	26 566	2 199 395	2	2	
15	Building construction—General contractors and operative builders ----	3 002	2 182	(D)	(D)	1 963	1 836	121 946	1 039	346	(D)	(D)	(D)	(D)	
16	Heavy construction other than building construction—contractors -----	508	246	4 648	421 351	190	188	16 013	318	58	4 648	405 338	3	3	
17	Special trade contractors -----	10 489	8 855	(D)	(D)	8 020	8 007	196 271	2 469	848	(D)	(D)	(D)	(D)	
1711	Plumbing, heating, and air-conditioning --	1 162	725	3 611	287 084	639	633	27 533	523	92	3 611	259 551	6	4	
1731	Electrical work -----	1 081	838	2 641	198 113	677	667	20 642	404	171	2 641	177 471	3	5	

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

²Includes 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	Construction industries¹	4 324	30 092	23 444	650 066	471 512	3 314 534	2 575 274	1 427 450
15	Building construction—General contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses	691	2 501	1 926	39 004	28 828	237 662	181 886	87 792
1522	Other residential buildings	48	396	318	6 796	4 786	33 633	23 372	17 173
1531	Operative builders	112	546	279	14 777	5 361	234 080	150 505	68 173
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	80	1 008	776	27 654	17 605	175 019	118 217	57 885
1542	Nonresidential buildings, n.e.c.	311	2 773	2 068	56 146	37 176	399 112	192 752	100 685
16	Heavy construction other than building construction—contractors:								
1611	Highway and street construction	69	2 237	1 888	58 333	43 602	316 362	246 376	123 144
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	6	63	50	2 054	1 267	14 658	11 490	7 425
1623	Water, sewer, and utility lines	95	1 179	926	29 944	22 796	186 223	158 051	54 957
1629	Heavy construction, n.e.c.	232	1 848	1 412	49 474	37 575	456 265	329 602	216 866
17	Special trade contractors:								
1711	Plumbing, heating, and air-conditioning	621	4 824	3 542	114 353	81 413	397 357	361 770	194 045
1721	Painting and paper hanging	194	909	773	15 610	12 399	45 564	43 032	32 253
1731	Electrical work	396	2 587	1 995	62 156	47 009	196 793	191 651	108 278
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	166	974	880	16 571	14 288	49 744	42 074	30 549
1742	Plastering, drywall, and insulation work	132	1 247	1 069	26 095	21 073	85 369	76 441	50 809
1743	Terrazzo, tile, marble, and mosaic work	21	109	79	2 205	1 637	8 327	8 201	6 734
175	Carpentry and floor work:								
1751	Carpentry	328	1 322	1 065	22 229	16 670	84 347	72 877	46 754
1752	Floor laying and other floor work	66	262	211	4 289	3 033	31 555	26 904	13 936
1761	Roofing, siding, and sheet metal work	192	1 448	1 108	25 614	17 400	98 462	89 219	46 750
1771	Concrete work	178	1 235	1 091	22 418	17 859	89 442	83 574	46 363
1781	Water well drilling	100	539	399	11 898	8 642	48 251	47 456	27 750
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	30	288	225	5 509	4 239	11 625	(D)	10 087
1793	Glass and glazing work	23	153	96	2 918	1 767	9 771	9 678	5 585
1794	Excavation work	85	539	452	13 046	9 904	42 170	39 546	30 532
1795	Wrecking and demolition work	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	25	411	262	8 516	5 949	22 623	22 264	17 059
1799	Special trade contractors, n.e.c.	119	(D)	(D)	(D)	(D)	(D)	(D)	(D)

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	
1 219 109	739 261	836 103	43 488	67 544	581 505	26 566	2 137 566	952 428	1	1	5	15, 16, 17
99 407 7 038	55 776 10 261	(S) (S)	1 975 *220	3 206 *482	21 451 *3 455	2 037 176	168 995 27 567	59 157 5 199	8 27	9 26	20 50	152 1522
84 580	83 575	5 336	592	2 983	16 598	(D)	(D)	(D)	11	8	12	1531
63 246 101 215	56 802 206 360	8 814 11 515	683 3 595	2 281 5 437	38 357 44 573	737 3 163	86 354 435 551	28 269 131 741	11 6	6 6	14 19	154 1542
123 860	69 987	63 512	7 091	11 625	111 185	2 032	208 193	86 932	6	8	13	1611
4 065 105 918 126 906	3 168 28 172 126 663	1 659 32 389 15 054	109 5 674 7 263	385 6 025 9 301	5 032 40 568 82 907	292 1 388 936	24 245 75 620 89 505	10 205 34 900 53 864	(Z) 10 5	(Z) 8 2	(Z) 21 15	162 1622 1623 1629
171 302	35 587	199 440	4 854	6 949	56 981	3 611	254 436	129 684	3	3	18	1711
10 827	2 532	19 587	953	*2 050	7 613	861	35 478	25 152	9	8	70	1721
89 242	5 142	113 401	1 772	2 623	27 607	2 641	175 141	101 639	3	3	10	1731
14 857 27 190 4 055	*7 670 8 928 *126	32 232 88 589 *10 164	493 *1 445 *171	752 866 *297	5 997 8 303 2 650	901 1 235 75	28 991 72 562 4 502	18 807 41 936 3 034	9 8 27	7 6 25	14 32 53	174 1742 1743
30 718 13 663	11 471 *4 651	40 427 24 257	646 196	1 467 162	8 853 1 970	874 217	47 319 17 496	22 736 7 765	9 13	10 25	18 23	175 1751 1752
43 019	9 243	37 338	1 035	*1 264	11 633	1 419	86 022	46 770	6	6	41	1761
37 758	5 867	44 383	1 341	2 569	21 366	1 427	66 191	35 031	11	9	21	1771
22 640	795	1 333	295	1 311	29 270	335	25 119	11 729	8	8	22	1781
(D) 5 429 10 029 (D) 6 052 (D)	(D) 93 2 625 (D) (D) (D)	8 655 7 236 26 386 (D) (D) 11 401 (D)	299 219 1 660 (D) 265 (D)	285 275 3 365 — 716 869	2 604 1 078 19 167 (D) 5 054 (D)	190 177 329 (D) 358 666	8 182 13 363 19 309 (D) 22 374 27 117	6 545 6 942 14 629 (D) 17 243 18 279	28 2 12 (D) 8 (D)	(D) 2 13 (D) (D) 5 (D)	(Z) 2 11 (Z) — (Z) 37	179 1791 1793 1794 1795 1796 1799

CONSTRUCTION—GEOGRAPHIC AREA SERIES

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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	4 324	3 866	4 169	4 946	1	1	2	3
Proprietors and working partners.....	2 007	1 273	1 854	3 283	3	6	5	5
All employees**	30 092	26 566	27 200	35 975	1	2	2	1
Construction workers:								
March.....	20 357	17 699	17 972	26 626	1	2	2	2
May.....	24 421	21 637	21 775	32 273	1	3	2	2
August.....	25 933	23 359	24 676	34 193	1	2	2	2
November.....	23 065	20 894	22 725	30 428	1	2	2	2
Average.....	23 444	20 897	22 216	30 905	1	2	2	2
Other employees:								
March.....	6 603	5 633	4 966	4 945	2	2	3	2
May.....	6 544	5 692	(NA)	(NA)	2	4	(NA)	(NA)
August.....	6 674	5 600	(NA)	(NA)	2	2	(NA)	(NA)
November.....	6 770	5 751	(NA)	(NA)	2	2	(NA)	(NA)
Average.....	6 648	5 669	(NA)	(NA)	2	2	(NA)	(NA)
Payroll, all employees	650 066	479 247	459 659	438 003	1	1	1	1
Payroll, construction workers	471 512	349 591	366 318	356 121	1	1	1	1
Payroll, other employees	178 554	129 656	93 340	81 881	2	2	2	1
First-quarter payroll, all employees	131 500	100 113	92 311	89 886	2	2	2	1
Fringe benefits, all employees	135 870	96 412	83 976	69 169	2	2	2	1
Legally required expenditures.....	93 236	66 917	63 672	42 548	2	2	2	1
Voluntary expenditures.....	42 634	29 494	20 304	26 621	2	2	2	1
Dollar value of business done	3 385 819	2 199 395	1 734 891	1 932 259	2	2	2	1
Value of construction work	3 314 534	2 137 566	1 689 207	1 872 480	2	2	2	1
Value of construction work subcontracted in from others	836 103	500 366	372 138	391 214	4	4	3	2
Other business receipts	71 285	46 719	39 207	59 779	7	7	5	4
Net value of construction†	2 575 274	1 689 401	1 403 600	1 544 097	1	2	2	1
Value added††	1 427 450	952 428	801 343	906 507	1	2	2	1
Selected costs	1 958 370	1 231 857	927 071	1 009 050	2	2	2	2
Materials, components, and supplies	1 156 969	742 767	598 051	644 548	2	2	2	2
Construction work subcontracted out to others	739 261	448 164	285 607	328 383	3	4	3	3
Selected power, fuels, and lubricants.....	62 140	40 925	43 412	36 119	2	2	3	2
Electricity.....	7 039	4 355	4 202	3 092	4	3	4	4
Natural gas.....	4 347	2 070	2 841	2 093	3	4	4	5
Gasoline and diesel fuel	47 012	31 929	33 029	26 662	2	2	3	2
On highway use.....	29 908	21 461	(NA)	(NA)	2	2	(NA)	(NA)
Off highway use.....	17 104	10 468	(NA)	(NA)	4	3	(NA)	(NA)
Other, including lubricating oils and greases.....	3 743	2 569	3 339	4 272	5	6	6	5
Rental cost for machinery, equipment, and buildings	43 488	28 130	23 108	22 872	4	3	2	2
For machinery and equipment	31 016	17 954	17 840	19 393	4	3	2	2
For buildings.....	12 471	10 175	5 267	3 479	6	6	5	3
Selected purchased services	66 242	41 262	34 643	39 328	3	3	2	2
Communication services	17 167	8 841	8 003	6 812	9	4	4	3
Repairs to buildings and other structures	3 427	2 180	1 713	2 186	6	6	6	10
Repairs to machinery and equipment	45 648	30 240	24 926	30 329	3	3	3	2
Ownership of construction projects:								
Value of construction work	3 314 534	2 137 566	1 689 207	1 872 480	2	2	2	1
Government owned	838 072	615 133	443 410	426 906	4	4	5	2
Federal	169 917	217 675	(NA)	(NA)	4	8	(NA)	(NA)
State and local	668 155	397 458	(NA)	(NA)	5	5	(NA)	(NA)
Privately owned	2 476 463	1 522 432	1 245 797	1 445 574	2	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
BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT				
Beginning-of-year gross book value of depreciable assets	534 092	375 545	3	3
Capital expenditures, other than land	67 544	39 534	5	4
New	48 424	25 898	6	4
Used	19 120	13 636	9	9
Retirements and disposition of depreciable assets	20 131	28 032	7	12
End-of-year gross book value of depreciable assets	581 505	387 047	3	3
Depreciation charges during year	59 430	40 060	3	4
Buildings and Other Structures, Additions, and Related Facilities				
Beginning-of-year gross book value of depreciable assets	70 860	69 252	5	10
Capital expenditures, other than land	8 555	4 902	18	13
New buildings and other structures	7 478	2 382	20	18
Used buildings and other structures	1 078	2 520	26	20
Retirements and disposition of depreciable assets	(S)	1 243	(S)	16
End-of-year gross book value of depreciable assets	78 164	72 911	6	9
Depreciation charges during year	5 753	4 252	7	9
Machinery and Equipment				
Beginning-of-year gross book value of depreciable assets	463 232	306 293	3	3
Capital expenditures, other than land	58 989	34 631	5	5
New machinery and equipment, including automobiles and trucks	40 946	23 515	5	5
New automobiles and trucks, intended primarily for highway use	12 808	10 371	6	7
Used machinery and equipment, including automobiles and trucks	18 043	11 116	10	10
Retirements and disposition of depreciable assets	18 879	26 788	6	13
End-of-year gross book value of depreciable assets	503 341	314 136	3	3
Depreciation charges during year	53 677	35 807	3	4

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

Table 5. Value of Inventories for Establishments With Payroll: 1992 and 1991

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

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	4 324	1
Value of construction work	3 314 534	2
Establishments with inventories:		
Number	1 568	3
Value of construction work	1 744 329	2
Inventories¹:		
End of 1992, materials and supplies	52 155	10
End of 1991, materials and supplies	43 399	6
Establishments with no inventories:		
Number	1 598	4
Value of construction work	1 063 485	4
Establishments not reporting:		
Number	1 158	4
Value of construction work	506 721	3

¹Inventories 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
1992										
Number of establishments	4 324	2 582	992	481	199	52	17	1	—	—
All employees**	30 092	5 013	6 281	6 192	6 012	3 656	2 938	(D)	—	—
Payroll, all employees	650 066	71 911	107 194	130 562	150 674	97 767	91 958	(D)	—	—
Dollar value of business done	3 385 819	411 192	530 092	631 447	648 907	458 656	705 526	(D)	—	—
Value of construction work	3 314 534	405 601	522 949	603 046	640 285	448 375	694 279	(D)	—	—
Net value of construction work†	2 575 274	341 265	429 691	482 255	488 354	326 083	507 626	(D)	—	—
Value added††	1 427 450	180 437	238 382	263 540	290 241	195 657	259 193	(D)	—	—
Cost of materials, components, supplies, and fuels	1 219 109	166 419	198 452	247 117	206 734	140 707	259 680	(D)	—	—
Cost of construction work subcontracted out to others	739 261	64 335	93 258	120 791	151 931	122 292	186 653	(D)	—	—
Rental cost for machinery, equipment, and buildings	43 488	3 831	5 949	6 930	10 152	7 299	9 325	(D)	—	—
Capital expenditures, other than land	67 544	11 219	10 246	13 422	14 550	12 590	5 518	(D)	—	—
End-of-year gross book value of depreciable assets	581 505	76 219	81 537	123 697	130 392	92 495	77 165	(D)	—	—
1987										
All employees**	26 566	4 483	5 066	5 472	5 519	3 178	2 846	(D)	(D)	—
Value of construction work	2 137 566	354 624	303 772	428 530	483 098	317 789	249 751	(D)	(D)	—
Value added††	952 428	158 090	149 043	204 813	223 031	126 828	90 622	(D)	(D)	—
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	5	7	6	4	3	(Z)	(D)	—	—
Net value of construction work†	1	6	8	5	2	6	(Z)	(D)	—	—
Capital expenditures, other than land	5	19	15	13	6	9	(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
1992											
Number of establishments	4 324	(S)	(S)	699	1 168	699	623	358	88	74	41
All employees**	30 092	(S)	(S)	1 244	3 503	3 979	5 185	5 535	2 860	3 355	3 807
Payroll, all employees	650 066	(S)	(S)	12 377	51 039	63 305	96 233	128 627	72 654	95 063	126 244
Dollar value of business done	3 385 819	(S)	(S)	52 483	192 602	239 306	424 039	536 842	301 193	503 722	1 120 485
Value of construction work	3 314 534	(S)	(S)	51 992	190 115	237 401	415 640	515 107	295 617	487 245	1 106 356
Net value of construction work†	2 575 274	(S)	(S)	48 984	176 733	212 438	353 739	436 649	230 559	367 854	734 222
Value added††	1 427 450	(S)	(S)	29 029	108 182	120 858	191 484	260 354	134 677	200 828	373 874
Cost of materials, components, supplies, and fuels	1 219 109	(S)	(S)	20 447	71 040	93 484	170 654	198 031	101 458	183 503	374 477
Cost of construction work subcontracted out to others	739 261	(S)	(S)	(S)	13 381	24 963	61 901	78 458	65 058	119 391	372 134
Rental cost for machinery, equipment, and buildings	43 488	(S)	(S)	731	1 995	3 767	4 773	7 391	5 467	6 673	12 526
Capital expenditures, other than land	67 544	(S)	(S)	1 151	7 287	7 130	7 793	13 714	5 440	12 233	12 349
End-of-year gross book value of depreciable assets	581 505	(S)	(S)	11 242	44 593	49 220	75 626	116 511	55 100	96 020	130 200
1987											
All employees**	26 566	(S)	(S)	1 448	3 672	4 233	3 347	4 352	3 318	2 790	2 731
Value of construction work	2 137 566	(S)	(S)	49 654	172 661	205 652	239 677	428 587	314 133	358 986	351 526
Value added††	952 428	(S)	(S)	29 426	92 992	113 019	116 918	193 881	151 606	138 761	105 963
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	1	(S)	(S)	12	8	9	7	5	4	2	3
Net value of construction work†	1	(S)	(S)	9	7	9	8	6	4	4	3
Capital expenditures, other than land	5	(S)	(S)	23	25	21	16	13	7	1	9

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
1992								
Value of construction work	3 314 534	2 080 532	756 778	404 770	2	2	3	3
Building construction	2 123 734	1 255 922	588 159	279 653	2	3	4	4
Single-family houses	785 978	528 025	158 227	99 727	5	6	8	8
Single-family houses, detached	719 872	490 167	136 412	93 294	5	7	8	9
Single-family houses, attached, including townhouses and townhouse-type condominiums	66 106	37 858	21 815	6 433	13	12	31	21
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	72 979	46 107	10 344	16 529	9	12	14	14
Other residential buildings, including hotels, motels, and tourist cabins	29 525	16 243	8 062	5 220	18	26	32	11
Office buildings	188 901	86 640	72 769	29 491	4	6	6	5
Other commercial buildings such as stores, restaurants, and automobile service stations	272 893	159 026	78 636	35 231	4	4	10	10
Industrial buildings and warehouses	362 343	210 445	102 379	49 519	3	4	5	7
Industrial buildings	274 010	155 759	81 190	37 061	3	4	5	9
Warehouses	88 333	54 686	21 189	12 457	5	6	12	6
Religious buildings	31 718	12 033	13 898	5 787	7	13	6	11
Educational buildings	167 970	72 149	82 566	13 255	6	6	11	8
Hospitals and institutional buildings	105 528	53 138	41 456	10 934	4	7	4	5
Farm buildings, nonresidential	67 674	49 467	8 369	9 839	12	10	37	17
Amusement, social, and recreational buildings, indoors	16 509	11 231	3 545	1 733	17	19	29	26
Other nonresidential buildings	21 717	11 418	7 908	2 391	12	20	5	36
Nonbuilding construction	1 118 346	824 610	168 619	125 117	3	4	2	6
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	349 973	202 724	118 066	29 183	5	7	1	21
Airport runways and related work	12 997	5 365	6 670	*962	14	17	7	50
Private driveways and parking areas	15 677	10 725	1 958	2 993	14	17	7	24
Recreational facilities	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Bridges, tunnels, and elevated highways	48 218	39 969	4 465	3 785	23	27	2	37
Marine construction	(D)	(D)	837	814	(D)	(D)	30	32
Conservation and development construction	54 010	(D)	2 499	(D)	14	(D)	27	(D)
Power and communication transmission lines, towers, and related facilities	119 539	(D)	8 089	(D)	2	(D)	9	(D)
Sewers, water mains, and related facilities	149 830	119 031	15 396	15 402	10	11	17	13
Sewers, sewer lines, septic systems, and related facilities	53 532	40 582	9 188	3 762	15	17	28	18
Water mains and related facilities	96 298	78 450	6 208	11 641	9	11	7	15
Mass transit construction	(D)	(D)	*469	2 419	(D)	(D)	74	34
Blast furnaces, petroleum refineries, chemical complexes, etc.	(D)	(D)	(D)	1 799	(D)	(D)	(D)	(Z)
Power plants	(D)	(D)	4 159	6 406	(D)	(D)	32	15
Other nonbuilding construction	28 026	22 744	3 028	2 254	15	18	6	31
Construction work, n.s.k.	72 454	(NA)	(NA)	(NA)	11	(NA)	(NA)	(NA)
1987								
Value of construction work	2 137 566	1 290 530	472 254	274 328	2	2	3	4
Building construction	1 532 675	938 459	376 441	217 776	2	3	3	6
Single-family houses	495 461	321 059	87 022	91 379	6	8	7	12
Single-family houses, detached	458 959	292 274	82 164	84 519	6	8	7	13
Single-family houses, attached, including townhouses and townhouse-type condominiums	40 502	28 785	4 857	6 859	15	17	15	24
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	55 535	34 874	13 293	7 366	7	7	22	15
Other residential buildings, including hotels, motels, and tourist cabins	25 381	14 441	6 562	4 377	16	26	14	10
Office buildings	237 500	148 586	63 925	24 988	3	4	5	4
Other commercial buildings such as stores, restaurants, and automobile service stations	194 706	129 348	45 388	19 969	4	4	8	7
Industrial buildings and warehouses	248 000	147 546	64 878	35 575	5	7	5	7
Industrial buildings	179 852	104 709	51 250	23 892	4	6	5	6
Warehouses	68 148	42 837	13 627	11 683	10	14	9	13
Religious buildings	24 909	10 902	9 402	4 604	7	9	12	12
Educational buildings	68 469	28 758	31 971	9 738	5	3	9	20
Hospitals and institutional buildings	74 414	25 642	40 243	8 529	7	11	10	13
Farm buildings, nonresidential	71 473	57 303	6 354	7 814	16	19	13	21
Amusement, social, and recreational buildings, indoors	20 233	13 484	4 152	2 596	12	12	17	29
Other nonresidential buildings	12 594	8 516	3 251	841	25	28	23	32
Nonbuilding construction	502 360	352 071	95 814	54 475	3	3	5	8
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	174 672	95 506	59 242	19 923	6	8	5	18
Private driveways and parking areas	16 259	(D)	2 923	(D)	10	(D)	19	(D)
Recreational facilities	15 095	(D)	*4 709	(D)	16	(D)	46	(D)
Bridges, tunnels, and elevated highways	35 344	29 854	*1 227	4 262	8	8	48	9
Conservation and development construction	20 495	13 614	*4 644	2 237	24	33	44	32
Power and communication transmission lines, towers, and related facilities	66 632	60 681	2 934	3 016	3	3	23	3
Sewers, water mains, and related facilities	48 378	29 459	11 709	7 210	9	10	12	19
Sewers, sewer lines, septic systems, and related facilities	27 518	17 734	6 865	2 919	8	8	14	18
Water mains and related facilities	20 860	11 724	4 844	4 291	17	19	22	30
Other nonbuilding construction	125 485	102 337	8 435	14 728	5	5	18	15
Construction work, n.s.k.	102 529	(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 ¹				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
15, 16, 17	Construction industries -----	4 324	23 444	20 357	24 421	25 933	23 065	1	1	1	1	1	1	1
15	Building construction—General contractors and operative builders:													
152	General contractors, residential buildings:													
1521	Single-family houses -----	691	1 926	1 724	1 980	2 210	1 791	6	8	9	8	9	8	8
1522	Other residential buildings -----	48	318	254	362	351	304	31	27	24	27	26	33	33
1531	Operative builders -----	112	279	292	334	251	241	18	18	14	24	18	15	15
154	General contractors, nonresidential buildings:													
1541	Industrial buildings and warehouses -----	80	776	606	807	825	867	21	11	12	9	12	11	11
1542	Nonresidential buildings, n.e.c. ---	311	2 068	2 025	2 045	2 149	2 053	10	6	6	7	6	6	6
16	Heavy construction other than building construction—contractors:													
1611	Highway and street construction ----	69	1 888	1 025	2 172	2 362	1 993	14	6	7	6	6	6	6
162	Heavy construction, except highway:													
1622	Bridge, tunnel, and elevated highway construction -----	6	50	48	51	44	55	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
1623	Water, sewer, and utility lines -----	95	926	747	987	1 084	888	19	11	12	11	11	12	12
1629	Heavy construction, n.e.c. -----	232	1 412	1 039	1 409	1 741	1 459	9	6	7	6	5	7	7
17	Special trade contractors:													
1711	Plumbing, heating, and air-conditioning -----	621	3 542	3 427	3 636	3 618	3 487	4	3	3	3	3	3	3
1721	Painting and paper hanging -----	194	773	682	803	831	776	8	9	12	8	9	10	10
1731	Electrical work -----	396	1 995	1 902	1 971	2 104	2 002	4	3	3	4	3	3	3
174	Masonry, stonework, tile setting, and plastering:													
1741	Masonry, stone setting, and other stonework -----	166	880	740	904	972	905	7	9	10	9	9	9	9
1742	Plastering, drywall, and insulation work -----	132	1 069	1 046	1 082	1 132	1 016	6	8	8	9	8	8	8
1743	Terrazzo, tile, marble, and mosaic work -----	21	79	81	72	85	79	30	25	29	24	23	25	25
175	Carpentry and floor work:													
1751	Carpentry -----	328	1 065	976	1 112	1 204	966	8	10	10	10	9	10	10
1752	Floor laying and other floor work --	66	211	205	221	227	189	15	12	14	12	12	13	13
1761	Roofing, siding, and sheet metal work -----	192	1 108	974	1 153	1 237	1 067	10	7	7	7	6	7	7
1771	Concrete work -----	178	1 091	823	1 294	1 294	952	11	11	14	12	12	11	11
1781	Water well drilling -----	100	399	401	414	427	352	6	9	9	9	8	9	9
179	Miscellaneous special trade contractors:													
1791	Structural steel erection -----	30	225	202	215	272	212	36	28	26	29	26	23	23
1793	Glass and glazing work -----	23	96	84	83	111	106	(Z)	(Z)	(Z)	3	2	(Z)	(Z)
1794	Excavation work -----	85	452	382	493	483	453	18	11	15	12	10	12	12
1795	Wrecking and demolition work -----	4	(D)	(D)	(D)	(D)	(D)	(Z)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. -----	25	262	221	245	239	344	10	9	9	9	11	7	7
1799	Special trade contractors, n.e.c. ---	119	(D)	(D)	(D)	(D)	(D)	17	(D)	(D)	(D)	(D)	(D)	(D)

¹Construction 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
15, 16, 17	Construction industries -----	7.0	21.6	141.4	.196	.368	.223	.252	.013
15	Building construction—General contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	3.6	15.6	123.4	.164	.418	.235	(S)	.008
1522	Other residential buildings -----	8.2	17.2	105.8	.202	.209	.305	(S)	*.007
1531	Operative builders -----	4.9	27.1	839.0	.063	.361	.357	.023	.003
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	12.6	27.4	225.5	.158	.361	.325	.050	.004
1542	Nonresidential buildings, n.e.c. -----	8.9	20.2	193.0	.141	.254	.517	.029	.009
16	Heavy construction other than building construction—contractors:								
1611	Highway and street construction -----	32.7	26.1	167.6	.184	.392	.221	.201	.022
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	10.5	32.6	293.2	.140	.277	.216	.113	.007
1623	Water, sewer, and utility lines -----	12.4	25.4	201.1	.161	.569	.151	.174	.030
1629	Heavy construction, n.e.c. -----	8.0	26.8	323.1	.108	.278	.278	.033	.016
17	Special trade contractors:								
1711	Plumbing, heating, and air-conditioning -----	7.8	23.7	112.2	.288	.431	.090	.502	.012
1721	Painting and paper hanging -----	4.7	17.2	58.9	.343	.238	.056	.430	.021
1731	Electrical work -----	6.5	24.0	98.6	.316	.453	.026	.576	.009
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework -----	5.9	17.0	56.5	.333	.299	*.154	.648	.010
1742	Plastering, drywall, and insulation work -----	9.4	20.9	79.9	.306	.318	.105	(S)	.017
1743	Terrazzo, tile, marble, and mosaic work -----	5.3	20.2	105.4	.265	.487	*.015	(S)	.021
175	Carpentry and floor work:								
1751	Carpentry -----	4.0	16.8	79.2	.264	.364	.136	.479	.008
1752	Floor laying and other floor work -----	4.0	16.4	149.6	.136	.433	.147	.769	.006
1761	Roofing, siding, and sheet metal work -----	7.5	17.7	88.9	.260	.437	.094	.379	.011
1771	Concrete work -----	6.9	18.2	82.0	.251	.422	.066	.496	.015
1781	Water well drilling -----	5.4	22.1	120.9	.247	.469	.016	.028	.006
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	9.6	19.1	51.7	.474	(D)	(D)	.744	.026
1793	Glass and glazing work -----	6.7	19.1	101.8	.299	.556	.010	.741	.022
1794	Excavation work -----	6.4	24.2	93.3	.309	.238	.062	.626	.039
1795	Wrecking and demolition work -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. -----	16.5	20.7	86.3	.376	.268	.016	.504	.012
1799	Special trade contractors, n.e.c. -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

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
OMAHA, NE-IA MSA												
15,16,17	Construction industries	1 793	14 711	354 345	1 933 644	1 465 442	809 972	683 552	468 202	29 574	2	2
15	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	(S)	877	15 245	87 468	(D)	33 086	33 441	(D)	1 121	10	(D)
1522	Other residential buildings	(S)	(S)	2 979	15 572	8 611	6 787	1 825	6 961	371	(S)	22
1531	Operative builders	68	368	10 985	184 465	116 770	50 713	68 489	67 694	812	15	10
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	37	501	17 606	127 666	81 492	39 920	42 338	46 175	1 426	10	4
1542	Nonresidential buildings, n.e.c.	107	1 051	23 730	182 799	80 154	35 103	47 911	102 645	1 752	9	8
16	Heavy construction other than building construction—contractors:											
1611	Highway and street construction	38	1 146	31 217	176 821	140 376	72 430	68 151	36 444	5 237	10	14
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	52	745	22 116	140 374	115 553	30 053	86 563	24 821	1 705	11	7
1629	Heavy construction, n.e.c.	50	602	20 963	(D)	(D)	(D)	(D)	(D)	3 290	7	(D)
17	Special trade contractors:											
1711	Plumbing, heating, and air-conditioning	246	2 263	60 536	209 697	189 238	105 263	85 395	20 459	4 516	4	2
1721	Painting and paper hanging	124	718	12 540	34 215	32 152	24 074	8 113	2 063	*1 722	10	9
1731	Electrical work	136	1 232	32 837	96 211	94 154	56 863	38 604	2 056	1 099	4	4
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work	84	630	11 227	34 760	27 597	20 396	10 532	*7 163	696	12	8
1742	Plastering, drywall, and insulation work	(S)	660	14 992	51 619	45 671	29 978	16 706	5 948	(S)	11	7
1743	Terrazzo, tile, marble, and mosaic work	14	56	(D)	4 156	4 156	2 850	1 397	—	56	10	9
175	Carpentry and floor work:											
1751	Carpentry	158	804	14 858	46 611	41 184	26 070	19 505	5 427	505	13	13
1752	Floor laying and other floor work ...	36	202	3 172	21 816	18 800	8 963	*9 890	*3 017	(S)	16	33
1761	Roofing, siding, and sheet metal work	48	674	13 093	48 667	43 877	23 214	20 811	4 790	191	9	4
1771	Concrete work	78	491	9 372	32 792	29 508	15 923	13 591	3 284	403	20	13
1781	Water well drilling	8	(D)	2 877	8 686	(D)	4 894	3 601	(D)	155	(D)	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	*18	186	4 828	9 735	(D)	(D)	(S)	(D)	(D)	23	(D)
1793	Glass and glazing work	(S)	108	1 991	7 906	7 813	4 206	3 911	93	161	2	3
1794	Excavation work	50	332	8 268	26 372	25 178	20 543	4 927	1 194	2 495	17	17
1795	Wrecking and demolition work	5	104	2 292	6 369	(D)	4 519	1 507	(D)	(D)	(Z)	(D)
1796	Installing building equipment, n.e.c. ...	9	261	6 105	15 859	15 616	11 826	3 868	243	(D)	(Z)	(Z)
1799	Special trade contractors, n.e.c.	72	471	8 298	(D)	(D)	16 090	(D)	(D)	528	15	(D)

Contents

North Dakota

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-- Not applicable for this report.

Summary of Findings

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

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

During 1992, there were 5,021 establishments in this State operating in the construction industries. These establishments accounted for \$1.2 billion in total dollar value of business done.

Most of the 5,021 construction establishments were small. Of the total, 3,344 were nonemployers, and over half of the employer establishments had less than 5 employees. The 563 construction establishments with 5 employees or more, while representing only 11 percent of all establishments, accounted for more than 80 percent of the total dollar value of business done.

ESTABLISHMENTS WITH PAYROLL

During 1992, the establishments with paid employees accounted for \$1.2 billion in total dollar value of business done. Of this amount, \$1.1 billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to \$227 million, leaving net value of construction work of \$917 million. In addition, these establishments paid out \$457 million for the cost of materials, fuels, power, rental of equipment and buildings,

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

and the cost of selected purchased services. Value added for 1992 was \$534 million. (See Introduction and appendixes for explanation of terms.)

There were 1,677 establishments with total employment averaging 11,799 during the year. Total payroll for 1992 was \$252 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 3,344 establishments with no payroll classified as construction. According to administrative records of the Federal Government, their dollar value of business done during 1992 was \$71.1 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 

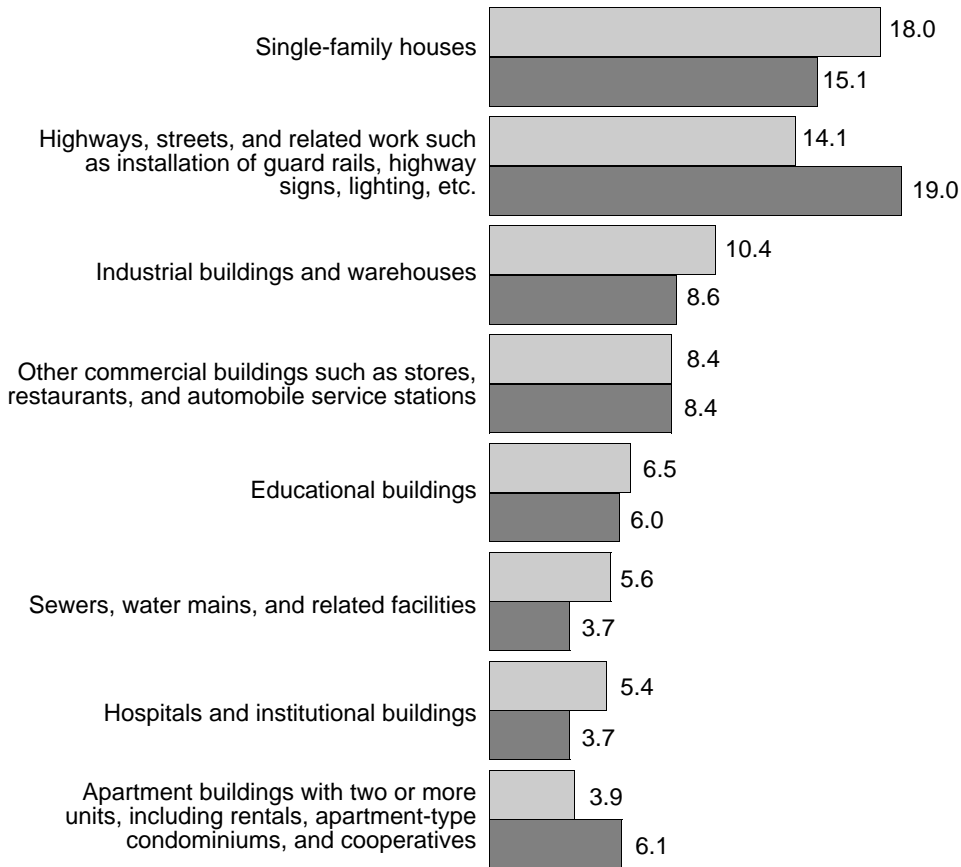




Figure 2. **Selected Costs per Dollar Value of Business Done**
(Percent)

1992 
1987 

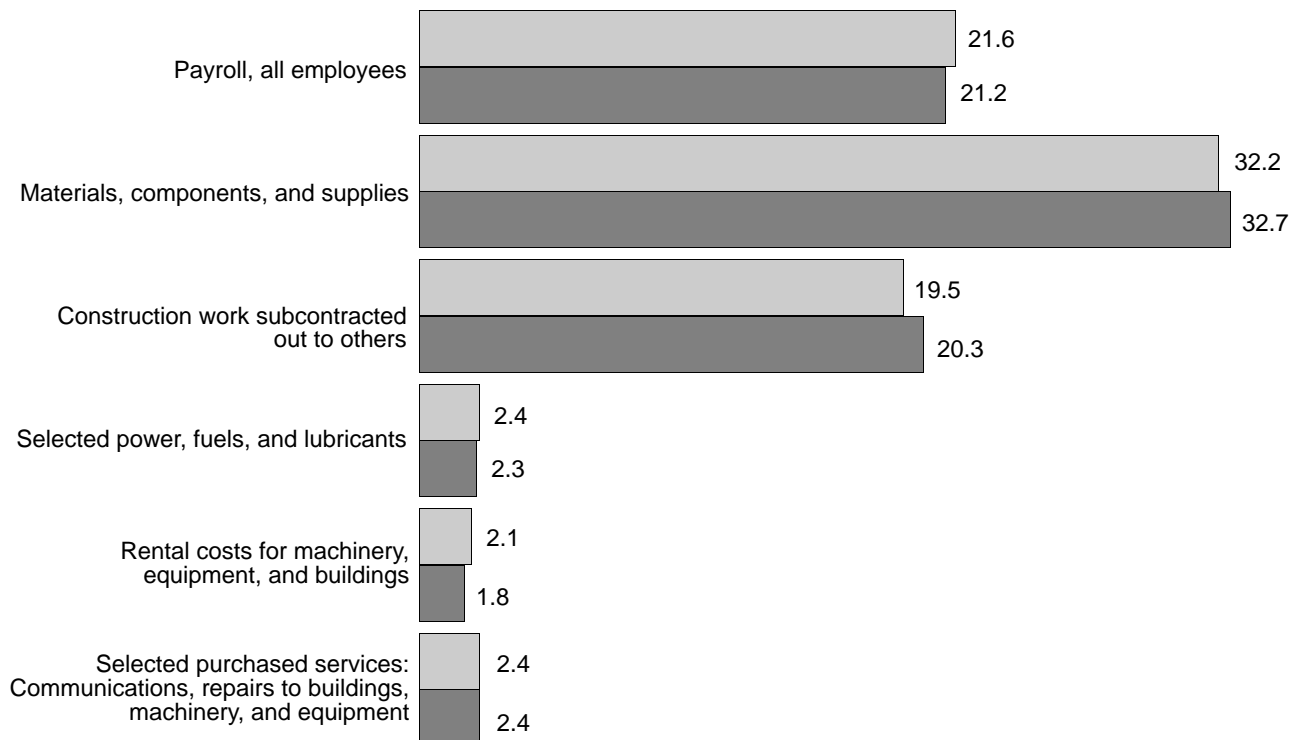


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1992 and 1987

[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 ¹	Number	Proprietors and working partners	All employees**	Dollar value of business done		
		A	B	C	D	E	F	G	H	I	J	K		
1992														
15, 16, 17	Construction industries -----	5 021	4 384	11 799	1 237 087	3 344	3 366	71 119	1 677	1 018	11 799	1 165 968	2	2
15	Building construction—General contractors and operative builders ----	878	720	2 866	366 487	441	444	18 702	437	276	2 866	347 785	5	4
16	Heavy construction other than building construction— contractors-----	268	154	2 923	355 343	92	94	2 193	176	60	2 923	353 150	3	3
17	Special trade contractors -----	3 875	3 511	6 009	515 256	2 811	2 828	50 224	1 064	683	6 009	465 032	3	3
1711	Plumbing, heating, and air-conditioning --	443	319	1 378	142 010	222	217	7 775	221	102	1 378	134 235	5	5
1731	Electrical work-----	398	287	1 077	94 010	195	191	6 441	203	96	1 077	87 569	6	7
1987														
15, 16, 17	Construction industries ² -----	6 216	5 141	11 066	1 077 450	4 408	4 413	140 847	1 808	728	11 066	936 603	2	3
15	Building construction—General contractors and operative builders ----	1 263	943	(D)	353 698	820	795	43 556	443	148	(D)	310 142	(D)	7
16	Heavy construction other than building construction— contractors-----	307	156	2 852	302 130	105	107	12 851	202	49	2 852	289 279	5	3
17	Special trade contractors -----	4 557	3 956	(D)	410 393	3 403	3 428	73 218	1 154	528	(D)	337 175	(D)	4
1711	Plumbing, heating, and air-conditioning --	503	346	1 234	105 463	270	274	11 086	233	72	1 234	94 377	6	7
1731	Electrical work-----	485	338	980	65 973	267	266	9 103	218	72	980	56 870	9	9

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

²Includes 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	Construction industries¹	1 677	11 799	9 734	251 581	195 768	1 144 246	917 069	534 253
15	Building construction—General contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses	233	979	797	14 245	11 078	87 443	67 207	35 188
1522	Other residential buildings	*19	221	171	4 134	2 366	21 886	14 802	8 042
1531	Operative builders	19	68	45	1 893	1 091	18 137	11 815	6 327
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	37	357	285	8 240	5 736	38 340	29 137	16 808
1542	Nonresidential buildings, n.e.c.	129	1 240	1 018	25 093	17 569	178 570	96 653	44 130
16	Heavy construction other than building construction—contractors:								
1611	Highway and street construction	43	1 154	1 022	30 651	26 297	153 581	123 121	82 621
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	4	182	157	5 326	4 263	24 934	19 442	10 798
1623	Water, sewer, and utility lines	49	576	487	15 110	11 750	69 060	58 256	32 419
1629	Heavy construction, n.e.c.	80	1 012	879	25 436	21 568	(D)	84 356	58 595
17	Special trade contractors:								
1711	Plumbing, heating, and air-conditioning	221	1 378	1 087	34 695	26 899	128 338	111 502	61 801
1721	Painting and paper hanging	72	367	319	6 681	5 717	20 586	19 841	13 896
1731	Electrical work	203	1 077	837	23 568	19 190	86 897	83 400	46 009
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	60	259	242	4 322	4 045	(D)	13 675	(D)
1742	Plastering, drywall, and insulation work	23	179	147	4 086	2 546	13 198	12 254	6 804
1743	Terrazzo, tile, marble, and mosaic work	4	(D)	13	(D)	(D)	1 061	(D)	571
175	Carpentry and floor work:								
1751	Carpentry	108	327	276	4 876	4 133	29 127	24 389	12 430
1752	Floor laying and other floor work	35	127	96	1 925	1 350	*8 630	*8 183	3 318
1761	Roofing, siding, and sheet metal work	77	748	621	13 545	9 537	53 014	50 076	28 049
1771	Concrete work	93	(D)	364	(D)	(D)	29 353	26 276	12 586
1781	Water well drilling	29	88	63	1 828	1 159	7 186	7 053	3 814
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	*5	67	42	1 614	906	6 121	(D)	*4 443
1793	Glass and glazing work	6	52	33	(D)	562	3 411	(D)	(D)
1794	Excavation work	34	118	96	1 983	1 392	8 455	8 304	6 685
1795	Wrecking and demolition work	—	—	—	—	—	—	—	—
1796	Installing building equipment, n.e.c.	14	197	156	2 229	1 599	7 653	7 124	4 685
1799	Special trade contractors, n.e.c.	79	606	480	12 677	9 327	34 523	(D)	24 617

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††	B	G	M	
I	J	K	L	M	N	O	P	Q				
404 539	227 176	230 155	24 260	28 548	264 841	11 066	901 567	412 270	2	2	7	15, 16, 17 15
33 393 6 776	20 236 7 083	3 162 *389	(S) *185	1 271 256	8 244 2 174	678 307	45 585 52 419	18 017 17 193	15 22	14 18	37 35	152 1521 1522
5 872	6 322	(S)	*119	380	1 189	(D)	42 617	14 490	20	12	9	1531
12 329 54 158	9 203 81 917	2 044 *3 538	*586 1 020	561 2 091	4 319 19 489	366 1 045	32 143 121 942	10 027 33 644	17 6	15 5	15 22	154 1541 1542
43 389	30 460	21 293	7 212	6 659	82 243	1 604	176 959	92 859	5	4	7	1611
8 644 26 610 (D)	5 492 10 804 (D)	(D) 11 125 (D)	(D) 3 123 4 015	499 3 028 4 901	6 957 29 004 31 816	218 397 633	21 090 29 751 53 911	9 765 17 308 27 152	(Z) 10 8	(Z) 12 10	(Z) 25 32	162 1622 1623 1629
55 598	16 836	47 811	1 227	1 523	13 330	1 234	91 319	41 861	5	4	20	1711
6 415	745	11 816	512	663	3 892	410	15 108	10 720	15	19	18	1721
38 063	3 497	17 245	1 360	1 948	19 794	980	56 340	30 485	6	7	36	1731
5 670 5 740 (D)	(D) *944 (D)	10 974 *11 477 1 018	87 *222 (D)	(D) *459 (D)	1 476 *1 806 (D)	268 359 7	12 338 16 209 510	6 882 11 379 233	17 14 (D)	13 (D)	(D) 17 (D)	174 1741 1742 1743
12 410 *4 872	*4 738 *447	7 470 *9 637	262 38	500 151	2 984 *1 419	387 *133	19 577 7 706	9 589 *3 125	14 34	19 43	25 39	175 1751 1752
22 340	2 938	17 809	627	658	7 443	492	34 766	17 227	7	5	8	1761
14 154	3 078	14 909	(S)	1 039	(D)	272	11 407	6 402	(D)	12	31	1771
3 418	133	264	69	*149	3 786	44	4 254	2 480	8	9	55	1781
(D) 2 153 1 983 — 2 440 (D)	(D) (D) (S) — 529 (D)	2 648 2 406 *1 204 — 1 588 24 805	*193 119 *107 — 62 (D)	*83 (D) *336 — 15 1 128	*440 296 56 *1 983 — 118 10 870	252 56 306 (D) 118 250	13 557 4 419 12 492 798 10 974 13 371	7 968 2 154 8 591 550 6 825 5 336	38 3 23 — 10 13	(D) (D) 29 — 29 (D)	57 (D) 60 — (Z) 37	179 1791 1793 1794 1795 1796 1799

CONSTRUCTION—GEOGRAPHIC AREA SERIES

NORTH DAKOTA ND-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	1 677	1 808	1 969	2 124	1	2	4	5
Proprietors and working partners.....	1 018	728	959	1 457	4	7	7	8
All employees**	11 799	11 066	12 950	15 438	2	2	2	3
Construction workers:								
March.....	7 071	6 276	7 874	9 032	2	3	3	3
May.....	10 214	9 474	10 554	13 838	2	3	3	3
August.....	11 891	10 800	13 134	16 763	2	2	3	4
November.....	9 760	8 715	11 256	13 840	2	2	3	4
Average.....	9 734	8 816	10 942	13 379	2	2	3	3
Other employees:								
March.....	1 987	2 210	2 002	1 910	3	4	4	4
May.....	2 055	2 282	(NA)	(NA)	3	4	(NA)	(NA)
August.....	2 102	2 258	(NA)	(NA)	3	4	(NA)	(NA)
November.....	2 116	2 249	(NA)	(NA)	3	4	(NA)	(NA)
Average.....	2 065	2 250	(NA)	(NA)	3	4	(NA)	(NA)
Payroll, all employees	251 581	198 974	214 100	176 758	1	2	2	2
Payroll, construction workers	195 768	150 312	173 627	145 566	2	2	3	2
Payroll, other employees	55 812	48 661	40 472	31 191	2	3	2	3
First quarter payroll, all employees	43 873	35 491	42 710	28 624	3	3	3	2
Fringe benefits, all employees	52 379	39 380	36 187	25 286	2	2	3	3
Legally required expenditures.....	37 584	28 463	28 774	17 778	2	2	3	3
Voluntary expenditures.....	14 794	10 916	7 412	7 508	4	4	4	2
Dollar value of business done	1 165 968	936 603	945 486	744 582	2	3	2	2
Value of construction work	1 144 246	901 567	924 697	718 375	2	3	2	2
Value of construction work subcontracted in from others	230 155	136 102	180 975	107 924	6	6	6	4
Other business receipts	21 723	29 007	16 868	26 207	17	15	8	4
Net value of construction†	917 069	711 502	770 385	599 072	2	2	2	2
Value added††	534 253	412 270	430 697	342 021	2	3	2	2
Selected costs	631 715	518 304	510 869	393 674	2	3	2	2
Materials, components, and supplies	376 014	306 709	326 952	255 922	3	3	3	3
Construction work subcontracted out to others	227 176	190 065	154 311	119 303	3	6	2	2
Selected power, fuels, and lubricants.....	28 525	21 529	29 604	18 450	3	2	3	2
Electricity.....	2 774	1 960	2 400	1 755	9	8	7	4
Natural gas.....	1 964	1 444	1 389	587	4	6	7	10
Gasoline and diesel fuel	21 796	16 721	23 732	13 649	3	3	4	3
On highway use.....	12 570	10 873	(NA)	(NA)	3	3	(NA)	(NA)
Off highway use.....	9 227	5 847	(NA)	(NA)	4	4	(NA)	(NA)
Other, including lubricating oils and greases.....	1 990	1 403	2 082	2 458	5	5	4	5
Rental cost for machinery, equipment, and buildings	24 260	16 467	13 823	10 524	6	4	4	3
For machinery and equipment	18 209	11 971	10 378	8 692	7	5	4	3
For buildings.....	6 051	4 496	3 444	1 833	9	8	6	7
Selected purchased services	28 048	22 840	22 961	22 236	6	4	3	3
Communication services	5 239	3 884	4 404	2 970	7	4	5	8
Repairs to buildings and other structures	1 547	805	860	940	16	12	9	17
Repairs to machinery and equipment	21 262	18 149	17 696	18 327	7	4	3	2
Ownership of construction projects:								
Value of construction work	1 144 246	901 567	924 697	718 375	2	3	2	2
Government owned	473 539	406 817	281 235	173 111	5	4	5	1
Federal	157 864	144 688	(NA)	(NA)	5	8	(NA)	(NA)
State and local	315 675	262 128	(NA)	(NA)	6	5	(NA)	(NA)
Privately owned	670 707	494 750	643 461	545 264	4	4	3	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 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
BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT				
Beginning-of-year gross book value of depreciable assets	245 473	229 432	5	5
Capital expenditures, other than land	28 548	22 244	7	6
New	19 736	12 418	7	8
Used	8 812	9 826	13	10
Retirements and disposition of depreciable assets	9 180	9 747	10	24
End-of-year gross book value of depreciable assets	264 841	241 928	5	5
Depreciation charges during year	22 628	25 472	5	5
Buildings and Other Structures, Additions, and Related Facilities				
Beginning-of-year gross book value of depreciable assets	35 298	35 080	13	16
Capital expenditures, other than land	2 028	3 199	14	17
New buildings and other structures	1 709	1 646	17	14
Used buildings and other structures	319	1 552	22	33
Retirements and disposition of depreciable assets	197	*504	17	42
End-of-year gross book value of depreciable assets	37 129	37 775	13	15
Depreciation charges during year	2 136	2 069	11	12
Machinery and Equipment				
Beginning-of-year gross book value of depreciable assets	210 174	194 351	5	5
Capital expenditures, other than land	26 520	19 045	7	7
New machinery and equipment, including automobiles and trucks	18 027	10 771	6	9
New automobiles and trucks, intended primarily for highway use	5 712	3 239	14	13
Used machinery and equipment, including automobiles and trucks	8 493	8 273	13	10
Retirements and disposition of depreciable assets	8 983	9 243	10	24
End-of-year gross book value of depreciable assets	227 712	204 153	5	5
Depreciation charges during year	20 492	23 402	5	6

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	1 677	1
Value of construction work	1 144 246	2
Establishments with inventories:		
Number	676	5
Value of construction work	747 343	2
Inventories¹:		
End of 1992, materials and supplies	22 322	8
End of 1991, materials and supplies	19 800	9
Establishments with no inventories:		
Number	540	6
Value of construction work	277 505	5
Establishments not reporting:		
Number	461	6
Value of construction work	119 397	7

¹Inventories 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
1992										
Number of establishments	1 677	1 113	287	158	88	22	6	2	—	—
All employees**	11 799	2 069	1 849	2 097	2 722	1 570	1 493	(D)	—	—
Payroll, all employees	251 581	31 228	31 496	44 002	67 438	36 242	41 174	(D)	—	—
Dollar value of business done	1 165 968	178 984	127 572	199 484	296 104	183 603	180 221	(D)	—	—
Value of construction work	1 144 246	173 192	125 557	192 090	290 767	182 473	180 166	(D)	—	—
Net value of construction work†	917 069	155 435	109 316	157 999	231 047	123 674	139 598	(D)	—	—
Value added††	534 253	89 328	69 675	86 749	122 372	63 358	102 771	(D)	—	—
Cost of materials, components, supplies, and fuels	404 539	71 899	41 656	78 644	114 012	61 446	36 882	(D)	—	—
Cost of construction work subcontracted out to others	227 176	17 757	16 241	34 091	59 720	58 799	40 568	(D)	—	—
Rental cost for machinery, equipment, and buildings	24 260	2 165	2 072	5 329	3 491	3 014	8 189	(D)	—	—
Capital expenditures, other than land	28 548	5 001	3 235	2 944	5 833	5 312	6 223	(D)	—	—
End-of-year gross book value of depreciable assets	264 841	41 306	29 258	38 168	60 606	36 252	59 250	(D)	—	—
1987										
All employees**	11 066	2 138	2 273	2 109	2 202	1 023	1 320	(D)	—	—
Value of construction work	901 567	136 738	156 296	370 757	(D)	237 775	(D)	(D)	—	—
Value added††	412 270	67 868	77 795	77 374	84 241	44 315	60 676	(D)	—	—
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	2	8	11	10	4	(Z)	(Z)	(D)	—	—
Net value of construction work†	2	9	11	11	4	(Z)	(Z)	(D)	—	—
Capital expenditures, other than land	7	23	22	13	9	(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 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
1992											
Number of establishments	1 677	(S)	(S)	245	528	260	140	146	62	20	17
All employees**	11 799	(S)	(S)	395	1 448	1 481	990	2 317	1 820	1 181	1 949
Payroll, all employees	251 581	(S)	(S)	3 953	20 877	23 928	20 568	51 471	43 742	30 722	54 781
Dollar value of business done	1 165 968	(S)	(S)	17 178	86 888	90 135	99 788	214 269	210 944	145 492	295 445
Value of construction work	1 144 246	(S)	(S)	16 895	84 247	88 845	96 801	205 082	208 187	143 885	294 581
Net value of construction work†	917 069	(S)	(S)	16 149	78 803	83 074	87 288	172 335	172 763	102 315	199 140
Value added††	534 253	(S)	(S)	9 351	48 728	49 889	55 739	99 452	87 703	52 532	128 125
Cost of materials, components, supplies, and fuels	404 539	(S)	(S)	7 081	32 717	34 476	34 536	82 070	87 817	51 390	71 879
Cost of construction work subcontracted out to others	227 176	(S)	(S)	(S)	5 443	5 771	9 513	32 747	35 424	41 570	95 441
Rental cost for machinery, equipment, and buildings	24 260	(S)	(S)	*298	1 044	2 107	836	4 404	4 007	1 735	9 792
Capital expenditures, other than land	28 548	(S)	(S)	(S)	2 677	3 120	1 740	4 601	3 837	4 237	7 690
End-of-year gross book value of depreciable assets	264 841	(S)	(S)	(S)	20 263	30 254	17 980	54 051	35 518	27 968	73 761
1987											
All employees**	11 066	(S)	(S)	535	1 375	1 519	1 440	2 256	1 366	537	1 446
Value of construction work	901 567	(S)	(S)	21 197	62 723	88 184	101 153	214 763	130 936	267 832	(D)
Value added††	412 270	(S)	(S)	11 262	32 884	55 281	47 719	97 958	82 676	(D)	76 112
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	2	(S)	(S)	16	11	13	15	8	4	(Z)	(Z)
Net value of construction work†	2	(S)	(S)	14	10	13	14	9	6	(Z)	(Z)
Capital expenditures, other than land	7	(S)	(S)	(S)	25	32	32	13	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 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
1992								
Value of construction work	1 144 246	668 119	270 554	165 978	2	3	3	4
Building construction	709 939	430 276	183 815	95 848	2	3	4	6
Single-family houses	205 481	144 039	35 830	25 613	7	8	9	10
Single-family houses, detached	185 129	131 754	31 924	21 450	7	9	10	12
Single-family houses, attached, including townhouses and townhouse-type condominiums	20 352	12 284	3 906	4 162	14	19	20	16
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	44 348	24 524	15 499	4 325	8	12	12	6
Other residential buildings, including hotels, motels, and tourist cabins	15 061	8 823	3 280	2 958	16	22	36	15
Office buildings	32 872	16 557	10 088	6 227	6	9	10	10
Other commercial buildings such as stores, restaurants, and automobile service stations	96 285	58 154	24 797	13 334	5	6	9	16
Industrial buildings and warehouses	118 758	66 644	30 290	21 825	5	5	11	9
Industrial buildings	82 083	43 489	25 359	13 235	5	5	12	5
Warehouses	36 675	23 155	4 931	8 590	11	12	22	20
Religious buildings	9 605	3 236	5 002	1 366	13	12	23	17
Educational buildings	74 318	45 961	23 036	5 321	6	6	13	12
Hospitals and institutional buildings	61 591	27 745	26 192	7 655	5	7	9	10
Farm buildings, nonresidential	27 271	19 526	4 006	3 739	13	15	25	20
Amusement, social, and recreational buildings, indoors	9 158	6 515	1 945	(S)	10	12	22	(S)
Other nonresidential buildings	15 190	8 553	3 850	(S)	15	18	21	(S)
Nonbuilding construction	394 712	237 842	86 739	70 131	3	4	6	5
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	161 189	75 763	43 135	42 291	3	2	8	6
Fencing	7 434	(D)	(D)	(D)	28	(D)	(D)	(D)
Conservation and development construction	10 756	7 107	(D)	(D)	7	7	(D)	(D)
Power and communication transmission lines, towers, and related facilities	14 574	(D)	(D)	(D)	18	(D)	(D)	(D)
Sewers, water mains, and related facilities	64 438	48 944	9 667	5 827	17	20	29	30
Sewers, sewer lines, septic systems, and related facilities	18 478	10 301	5 291	*2 886	26	36	29	40
Water mains and related facilities	45 961	38 643	4 376	2 941	21	23	31	29
Blast furnaces, petroleum refineries, chemical complexes, etc.	20 322	(D)	(D)	5 479	7	(D)	(D)	15
Power plants	21 263	(D)	(D)	10 080	2	(D)	(D)	4
Sewage treatment and water treatment plants	41 420	37 139	(D)	(D)	7	5	(D)	(D)
Sewage treatment plants	29 670	26 214	(D)	(D)	8	6	(D)	(D)
Water treatment plants	11 750	10 925	825	—	12	13	10	—
Oilfields	6 567	3 222	*2 665	*680	30	38	55	51
Other nonbuilding construction	46 749	34 424	8 113	4 213	4	4	2	11
Construction work, n.s.k.	39 594	(NA)	(NA)	(NA)	10	(NA)	(NA)	(NA)
1987								
Value of construction work	901 567	489 670	245 486	131 555	3	4	3	6
Building construction	532 620	297 926	157 709	75 730	4	6	4	12
Single-family houses	136 231	87 636	32 935	15 659	11	16	13	12
Single-family houses, detached	116 226	71 772	30 802	13 651	11	16	13	12
Single-family houses, attached, including townhouses and townhouse-type condominiums	20 004	15 863	2 133	2 008	20	25	25	31
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	55 442	43 528	8 173	3 740	19	24	12	34
Other residential buildings, including hotels, motels, and tourist cabins	20 407	4 400	4 028	*11 977	31	22	3	52
Office buildings	32 253	15 100	9 844	7 309	9	13	15	15
Other commercial buildings such as stores, restaurants, and automobile service stations	75 487	44 827	22 091	8 569	6	8	8	17
Industrial buildings and warehouses	77 362	42 486	24 193	10 682	6	8	7	15
Industrial buildings	50 894	27 860	15 244	7 789	9	12	11	19
Warehouses	26 468	14 625	8 949	2 893	5	7	3	14
Religious buildings	8 909	3 545	4 291	1 072	12	22	14	20
Educational buildings	53 989	28 013	21 301	4 674	8	10	14	26
Hospitals and institutional buildings	33 674	9 293	19 744	4 637	8	14	7	26
Farm buildings, nonresidential	18 524	11 586	3 423	3 514	15	16	23	21
Other nonresidential buildings	20 342	8 642	7 811	3 897	18	12	32	38
Nonbuilding construction	334 091	190 614	87 652	55 825	3	4	5	4
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	171 694	94 829	46 814	30 051	3	3	5	5
Power and communication transmission lines, towers, and related facilities	17 414	11 700	4 728	985	16	20	21	24
Sewers, water mains, and related facilities	33 661	23 970	5 169	4 521	10	6	19	32
Sewers, sewer lines, septic systems, and related facilities	12 066	6 858	2 657	2 550	16	11	21	38
Water mains and related facilities	21 594	17 111	2 511	1 970	8	5	27	33
Sewage treatment and water treatment plants	21 927	19 086	2 791	*49	11	11	28	57
Other nonbuilding construction	89 395	41 029	28 150	20 219	(NA)	(NA)	(NA)	(NA)
Construction work, n.s.k.	34 855	(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 ¹				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
15, 16, 17	Construction industries -----	1 677	9 734	7 071	10 214	11 891	9 760	1	2	2	2	2	2	2
15	Building construction—General contractors and operative builders:													
152	General contractors, residential buildings:													
1521	Single-family houses -----	233	797	618	830	915	826	10	14	15	13	14	16	
1522	Other residential buildings -----	*19	171	143	202	172	165	43	21	20	24	22	18	
1531	Operative builders -----	19	45	43	44	52	39	13	27	30	28	23	23	
154	General contractors, nonresidential buildings:													
1541	Industrial buildings and warehouses -----	37	285	212	239	314	375	34	16	22	17	19	13	
1542	Nonresidential buildings, n.e.c. ---	129	1 018	871	1 094	1 154	953	14	6	5	5	6	6	
16	Heavy construction other than building construction—contractors:													
1611	Highway and street construction ----	43	1 022	436	1 255	1 564	832	19	5	9	4	4	6	
162	Heavy construction, except highway:													
1622	Bridge, tunnel, and elevated highway construction -----	4	157	52	205	222	147	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	
1623	Water, sewer, and utility lines -----	49	487	262	508	717	462	23	10	12	12	9	10	
1629	Heavy construction, n.e.c. -----	80	879	504	1 021	998	991	19	8	9	7	8	8	
17	Special trade contractors:													
1711	Plumbing, heating, and air-conditioning -----	221	1 087	960	1 083	1 203	1 104	5	6	6	6	6	6	
1721	Painting and paper hanging -----	72	319	221	309	426	321	13	14	17	17	13	15	
1731	Electrical work -----	203	837	732	819	938	858	2	6	7	6	6	6	
174	Masonry, stonework, tile setting, and plastering:													
1741	Masonry, stone setting, and other stonework -----	60	242	148	229	372	217	12	18	11	17	26	11	
1742	Plastering, drywall, and insulation work -----	23	147	115	148	158	168	39	12	11	17	17	15	
1743	Terrazzo, tile, marble, and mosaic work -----	4	13	(D)	14	(D)	13	(Z)	(Z)	(D)	(Z)	(D)	(Z)	
175	Carpentry and floor work:													
1751	Carpentry -----	108	276	224	267	335	279	6	15	16	14	14	16	
1752	Floor laying and other floor work --	35	96	92	93	97	101	20	35	35	39	33	33	
1761	Roofing, siding, and sheet metal work -----	77	621	558	610	713	605	19	8	8	8	8	8	
1771	Concrete work -----	93	364	216	398	475	369	11	11	12	11	11	14	
1781	Water well drilling -----	29	63	45	71	75	60	(Z)	8	14	5	9	7	
179	Miscellaneous special trade contractors:													
1791	Structural steel erection -----	*5	42	25	33	62	*46	45	39	31	31	39	41	
1793	Glass and glazing work -----	6	33	28	37	43	26	13	5	(Z)	(Z)	12	(Z)	
1794	Excavation work -----	34	96	66	103	117	99	32	24	25	24	23	24	
1795	Wrecking and demolition work -----	--	--	--	--	--	--	--	--	--	--	--	--	
1796	Installing building equipment, n.e.c. -----	14	156	108	138	173	206	15	11	16	12	10	8	
1799	Special trade contractors, n.e.c. ---	79	480	(D)	463	(D)	496	18	12	(D)	13	(D)	13	

¹Construction 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
15, 16, 17	Construction industries -----	7.0	21.3	117.6	.220	.354	.199	.201	.021
15	Building construction—General contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	4.2	14.6	109.7	.163	.382	.231	.036	(S)
1522	Other residential buildings -----	11.9	18.7	128.0	.189	.310	.324	.018	*.008
1531	Operative builders -----	3.6	27.8	403.0	.104	.324	.349	(S)	*.007
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	9.5	23.1	134.5	.215	.322	.240	.053	.015
1542	Nonresidential buildings, n.e.c. -----	9.6	20.2	175.4	.141	.303	.459	*.020	.006
16	Heavy construction other than building construction—contractors:								
1611	Highway and street construction -----	27.0	26.6	150.3	.200	.283	.198	.139	.047
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	45.5	29.3	158.8	.214	.347	.220	(D)	(D)
1623	Water, sewer, and utility lines -----	11.7	26.2	141.8	.219	.385	.156	.161	.045
1629	Heavy construction, n.e.c. -----	12.7	25.1	(D)	(D)	(D)	(D)	(D)	(D)
17	Special trade contractors:								
1711	Plumbing, heating, and air-conditioning -----	6.2	25.2	118.1	.270	.433	.131	.373	.010
1721	Painting and paper hanging -----	5.1	18.2	64.5	.325	.312	.036	.574	.025
1731	Electrical work -----	5.3	21.9	103.8	.271	.438	.040	.198	.016
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework -----	4.3	16.7	(D)	(D)	(D)	(D)	(D)	(D)
1742	Plastering, drywall, and insulation work -----	7.9	22.8	89.8	.310	.435	*.072	.870	*.017
1743	Terrazzo, tile, marble, and mosaic work -----	(D)	(D)	81.6	(D)	(D)	(D)	.959	(D)
175	Carpentry and floor work:								
1751	Carpentry -----	3.0	14.9	105.5	.167	.426	.163	.256	.009
1752	Floor laying and other floor work -----	3.6	15.2	89.9	.223	.565	.052	(S)	.004
1761	Roofing, siding, and sheet metal work -----	9.7	18.1	85.4	.256	.421	.055	.336	*.012
1771	Concrete work -----	(D)	(D)	80.6	(D)	.482	.105	.508	(S)
1781	Water well drilling -----	3.0	20.8	114.1	.254	.476	.019	.037	.010
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	12.2	24.1	145.7	.264	(D)	(D)	*.433	.032
1793	Glass and glazing work -----	8.0	(D)	103.4	(D)	.631	(D)	.705	.035
1794	Excavation work -----	3.5	16.8	88.1	.235	.235	*.018	*.142	*.013
1795	Wrecking and demolition work -----	—	—	—	—	—	—	—	—
1796	Installing building equipment, n.e.c. -----	13.7	11.3	49.1	.291	.319	.069	.208	.008
1799	Special trade contractors, n.e.c. -----	7.7	20.9	71.9	.367	(D)	(D)	.719	(D)

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

[Not applicable]

Contents

South Dakota

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Statistics for Establishments With Payroll

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-- Not applicable for this report.

Summary of Findings

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

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

During 1992, there were 6,238 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 6,238 construction establishments were small. Of the total, 4,239 were nonemployers, and over half of the employer establishments had less than 5 employees. The 712 construction establishments with 5 employees or more, while representing only 11 percent of all establishments, accounted for more than 78 percent of the total dollar value of business done.

ESTABLISHMENTS WITH PAYROLL

During 1992, the establishments with paid employees accounted for \$1.3 billion in total dollar value of business done. Of this amount, \$1.2 billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to \$257 million, leaving net value of construction work of \$977 million. In addition, these establishments paid out \$490 million for the cost of materials, fuels, power, rental of equipment and buildings,

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

and the cost of selected purchased services. Value added for 1992 was \$561 million. (See Introduction and appendixes for explanation of terms.)

There were 1,999 establishments with total employment averaging 12,836 during the year. Total payroll for 1992 was \$253 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 4,239 establishments with no payroll classified as construction. According to administrative records of the Federal Government, their dollar value of business done during 1992 was \$95.3 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 

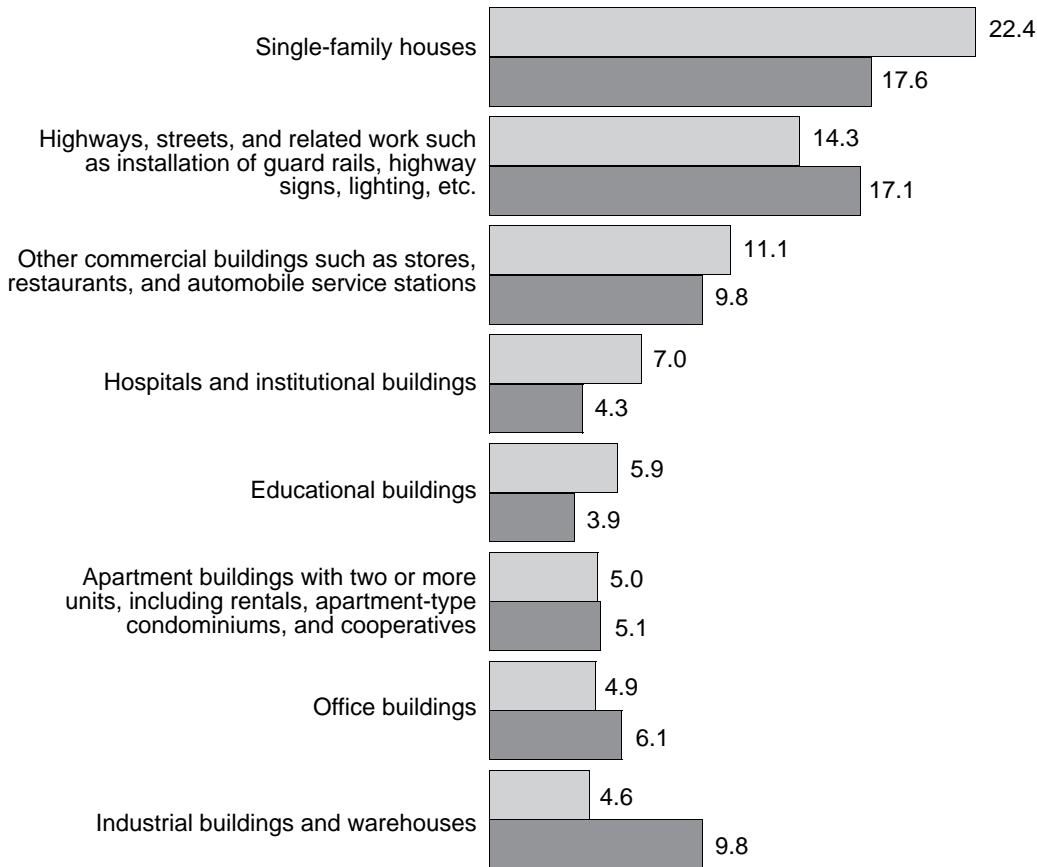




Figure 2. **Selected Costs per Dollar Value of Business Done**
(Percent)

1992 
1987 

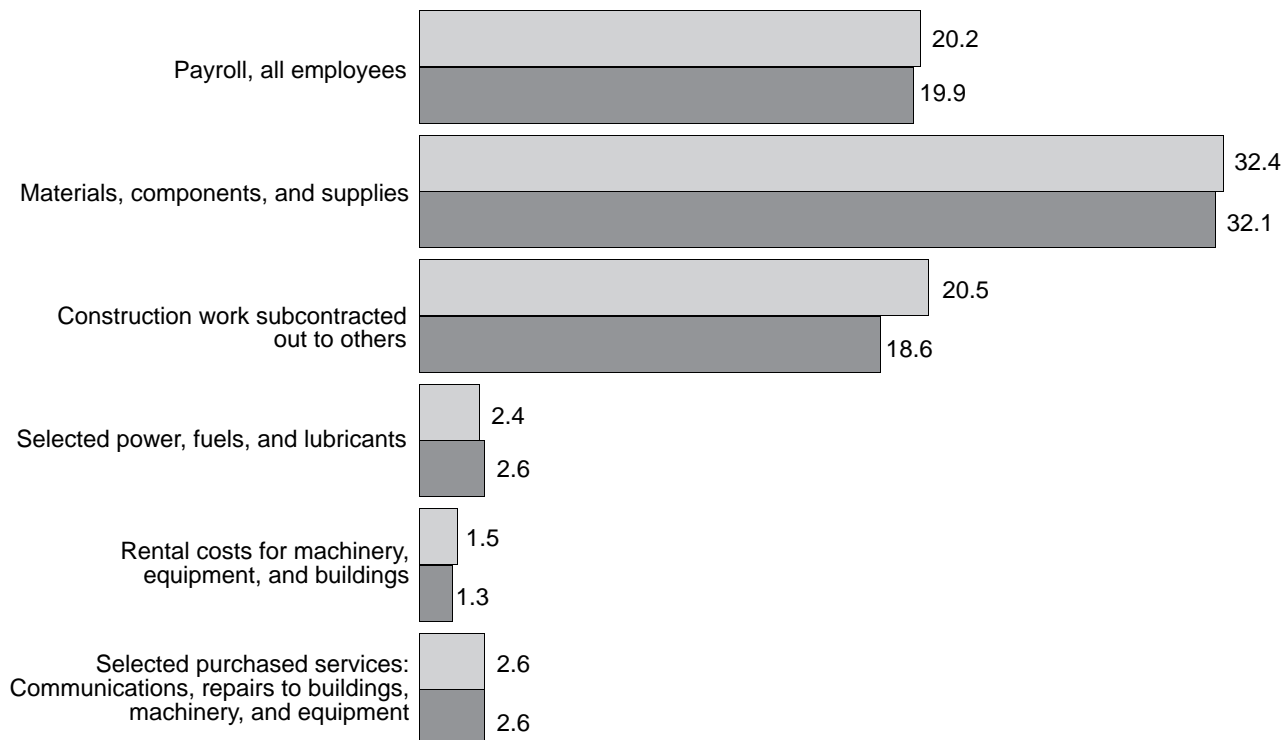


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1992 and 1987

[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—	
		Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done ¹	Number	Proprietors and working partners	All employees**	Dollar value of business done		
		A	B	C	D	E	F	G	H	I	J	K		
1992														
15, 16, 17	Construction industries -----	6 238	5 679	12 836	1 351 232	4 239	4 288	95 349	1 999	1 391	12 836	1 255 883	2	3
15	Building construction—General contractors and operative builders ----	1 073	940	3 180	508 912	525	535	21 921	548	405	3 180	486 991	5	6
16	Heavy construction other than building construction— contractors-----	436	309	2 689	299 363	158	153	4 258	278	156	2 689	295 105	5	4
17	Special trade contractors -----	4 729	4 431	6 966	542 957	3 556	3 600	69 170	1 173	831	6 966	473 787	3	3
1711	Plumbing, heating, and air-conditioning --	545	449	1 393	121 191	301	308	11 090	244	141	1 393	110 101	7	7
1731	Electrical work-----	385	313	1 107	86 918	219	219	5 268	166	94	1 107	81 650	7	9
1987														
15, 16, 17	Construction industries ² -----	6 533	5 601	9 452	936 284	4 881	4 882	173 401	1 652	719	9 452	762 883	3	2
15	Building construction—General contractors and operative builders ----	1 326	1 049	2 677	339 210	897	865	56 704	429	184	2 677	282 506	5	4
16	Heavy construction other than building construction— contractors-----	335	243	(D)	(D)	139	136	10 478	196	107	(D)	(D)	(D)	(D)
17	Special trade contractors -----	4 780	4 236	5 036	403 502	3 765	3 811	98 403	1 015	425	5 036	305 099	8	6
1711	Plumbing, heating, and air-conditioning --	545	425	1 191	95 070	330	337	14 905	215	88	1 191	80 165	8	7
1731	Electrical work-----	457	359	730	51 411	287	288	10 237	170	71	730	41 174	11	10

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

²Includes 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	Construction industries¹	1 999	12 836	10 294	253 483	188 056	1 233 892	976 794	561 172
15	Building construction—General contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses	321	1 144	960	17 381	13 564	141 089	106 861	51 442
1522	Other residential buildings	37	284	211	5 588	3 550	44 698	25 061	11 897
1531	Operative builders	35	169	*72	3 259	*1 246	*36 459	24 426	*12 294
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	*12	(D)	*54	(D)	792	(D)	(D)	(D)
1542	Nonresidential buildings, n.e.c.	144	1 518	1 165	31 793	22 423	253 358	143 541	76 466
16	Heavy construction other than building construction—contractors:								
1611	Highway and street construction	106	1 532	1 330	34 355	27 051	175 209	146 056	92 626
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	3	38	31	(D)	675	3 879	(D)	1 737
1623	Water, sewer, and utility lines	55	719	608	21 493	14 645	70 965	60 787	39 081
1629	Heavy construction, n.e.c.	114	401	319	8 053	6 373	40 058	30 837	20 508
17	Special trade contractors:								
1711	Plumbing, heating, and air-conditioning	244	1 393	1 026	28 237	20 740	107 170	99 412	54 618
1721	Painting and paper hanging	106	412	336	6 103	4 834	19 153	18 415	12 822
1731	Electrical work	166	1 107	868	22 701	17 344	79 878	73 915	44 210
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	68	489	437	7 736	6 945	(D)	24 655	14 542
1742	Plastering, drywall, and insulation work	52	395	341	7 182	6 211	23 529	22 268	14 752
1743	Terrazzo, tile, marble, and mosaic work	*6	68	50	1 006	666	2 892	2 706	2 582
175	Carpentry and floor work:								
1751	Carpentry	140	474	406	6 307	5 263	23 138	(D)	12 531
1752	Floor laying and other floor work	42	127	110	1 617	(S)	4 990	4 853	3 266
1761	Roofing, siding, and sheet metal work	79	764	596	18 215	11 943	62 139	56 027	27 996
1771	Concrete work	102	506	445	7 666	6 617	29 841	29 011	16 915
1781	Water well drilling	24	87	64	1 545	1 044	5 862	(D)	(D)
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	30	170	142	3 001	2 569	12 550	10 127	6 285
1793	Glass and glazing work	20	212	126	3 913	2 088	14 551	(D)	7 038
1794	Excavation work	35	188	152	4 270	2 969	14 605	12 294	8 363
1795	Wrecking and demolition work	—	—	—	—	—	—	—	—
1796	Installing building equipment, n.e.c.	16	97	66	1 985	1 306	5 418	5 149	3 460
1799	Special trade contractors, n.e.c.	43	(D)	379	7 960	5 773	33 602	32 336	21 429

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††	B	G	M	
I	J	K	L	M	N	O	P	Q				
437 613	257 097	307 339	18 930	35 256	272 022	9 452	724 664	352 553	2	2	9	15, 16, 17
55 852 13 410	34 229 19 637	*3 349 (S)	*1 579 *383	1 261 *307	7 407 *4 992	700 329	33 376 55 778	15 667 16 850	12 28	14 28	28 66	152 1521 1522
16 246	*12 033	(S)	53	*421	11 889	210	21 888	3 168	35	38	67	1531
(D) 69 200	*619 109 817	— 3 385	*176 3 123	*170 4 006	2 645 31 917	227 1 211	21 672 140 492	7 861 45 219	(D) 8	(D) 9	52 9	154 1541 1542
53 915	29 153	43 385	5 000	10 775	87 289	1 160	117 959	79 109	8	6	17	1611
(D) 25 896 10 648	(D) 10 178 9 221	(D) 8 948 (D)	(D) 1 061 (S)	47 2 989 1 451	822 23 584 (D)	(D) 382 137	(D) 27 659 8 293	(D) 16 441 (D)	(Z) 7 18	(D) 8 17	(Z) 22 27	162 1622 1623 1629
47 725	7 758	57 580	1 490	2 872	18 392	1 191	76 583	39 538	7	7	28	1711
5 615	*737	9 552	331	531	2 048	243	9 473	6 964	14	13	36	1721
31 476	*5 964	37 717	1 179	*2 212	17 604	730	40 111	21 616	7	9	43	1731
10 138 7 516 761	(D) 1 261 186	20 305 23 290 2 603	356 *417 85	1 065 368 28	2 900 1 614 152	292 172 (D)	9 167 11 881 (D)	6 668 7 015 (D)	20 19 36	15 16 23	34 23 25	174 1741 1742 1743
(D) 1 618	(D) 136	11 201 (S)	148 38	302 66	2 640 616	386 (S)	21 980 (S)	10 840 (S)	14 12	(D) 14	28 (Z)	175 1751 1752
30 905	6 112	25 205	(D)	(S)	9 029	483	32 451	16 835	10	7	(S)	1761
12 143	830	19 614	*377	*4 154	*13 241	642	40 870	18 813	17	19	57	1771
3 002	(D)	326	*63	128	1 882	26	1 892	1 054	8	(D)	11	1781
(D) 7 625 3 959 — 1 689 11 587	*2 424 (D) *2 311 — 269 (S)	2 548 9 539 11 299 — 3 197 (D)	(D) (D) (S) — 81 (D)	92 (D) *434 — (D) 75	1 742 1 822 (S) — 485 (D)	85 121 164 — *128 297	(D) 6 094 11 676 — 5 495 16 554	3 925 3 117 8 611 — 3 851 9 245	23 7 20 — 3 (D)	26 (D) 16 — 1 15	(Z) (D) 64 — (D) (Z)	179 1791 1793 1794 1795 1796 1799

CONSTRUCTION—GEOGRAPHIC AREA SERIES

SOUTH DAKOTA SD-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	1 999	1 652	1 723	2 185	1	2	4	5
Proprietors and working partners.....	1 391	719	807	1 752	3	8	8	8
All employees**	12 836	9 452	8 866	12 327	2	3	3	4
Construction workers:								
March.....	8 214	6 172	5 802	7 896	2	4	5	3
May.....	10 771	8 130	7 248	11 482	2	3	4	4
August.....	11 826	8 751	8 549	12 370	2	3	3	4
November.....	10 367	7 319	7 216	10 969	2	3	4	3
Average.....	10 294	7 593	7 416	10 688	2	3	4	4
Other employees:								
March.....	2 477	1 848	1 434	1 505	3	4	5	7
May.....	2 580	1 867	(NA)	(NA)	3	4	(NA)	(NA)
August.....	2 631	1 894	(NA)	(NA)	3	4	(NA)	(NA)
November.....	2 478	1 825	(NA)	(NA)	3	4	(NA)	(NA)
Average.....	2 541	1 858	(NA)	(NA)	3	3	(NA)	(NA)
Payroll, all employees	253 483	152 067	117 867	120 057	2	2	3	2
Payroll, construction workers	188 056	113 805	91 165	99 617	2	3	3	3
Payroll, other employees	65 427	38 261	26 701	20 440	3	3	4	3
First quarter payroll, all employees	51 178	30 930	23 422	21 603	2	4	4	3
Fringe benefits, all employees	48 926	26 689	21 602	16 418	3	3	4	2
Legally required expenditures.....	37 566	20 479	16 213	11 973	4	4	4	3
Voluntary expenditures.....	11 360	6 210	5 389	4 445	6	4	5	3
Dollar value of business done	1 255 883	762 883	524 010	569 820	3	2	3	3
Value of construction work	1 233 892	724 664	507 258	552 240	3	2	3	3
Value of construction work subcontracted in from others	307 339	158 002	93 110	110 141	5	6	7	4
Other business receipts	21 991	34 832	14 556	17 580	10	5	12	7
Net value of construction†	976 794	582 446	419 189	452 350	2	3	3	3
Value added††	561 172	352 553	228 891	252 573	3	3	3	3
Selected costs	694 710	406 942	292 922	313 626	3	3	3	3
Materials, components, and supplies	407 182	245 032	187 247	199 736	3	3	4	3
Construction work subcontracted out to others	257 097	142 217	88 069	99 890	5	3	3	7
Selected power, fuels, and lubricants.....	30 431	19 692	17 606	14 000	4	4	5	3
Electricity.....	2 809	2 189	1 558	855	10	6	9	8
Natural gas.....	1 237	854	749	475	9	4	9	12
Gasoline and diesel fuel	24 438	14 885	14 257	10 828	4	5	4	3
On highway use.....	15 469	10 180	(NA)	(NA)	4	5	(NA)	(NA)
Off highway use.....	8 969	4 704	(NA)	(NA)	7	8	(NA)	(NA)
Other, including lubricating oils and greases.....	1 946	1 763	1 040	1 842	8	7	10	6
Rental cost for machinery, equipment, and buildings	18 930	9 600	4 625	6 057	8	15	6	4
For machinery and equipment	13 367	6 287	2 968	5 113	10	23	7	5
For buildings.....	5 563	3 312	1 657	944	10	8	9	10
Selected purchased services	33 102	20 187	13 951	16 906	8	5	3	4
Communication services	6 711	3 252	2 846	2 500	14	5	5	5
Repairs to buildings and other structures	1 961	835	654	565	23	10	22	15
Repairs to machinery and equipment	24 430	16 099	10 450	13 841	9	6	3	4
Ownership of construction projects:								
Value of construction work	1 233 892	724 664	507 258	552 240	3	2	3	3
Government owned	400 003	260 972	145 855	162 681	5	6	7	4
Federal	111 109	87 820	(NA)	(NA)	6	14	(NA)	(NA)
State and local	288 894	173 151	(NA)	(NA)	7	6	(NA)	(NA)
Privately owned	833 888	463 691	361 402	389 558	5	4	5	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 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
BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT				
Beginning-of-year gross book value of depreciable assets	245 560	172 053	6	4
Capital expenditures, other than land	35 256	13 816	9	7
New	22 223	8 179	10	9
Used	13 033	5 636	15	13
Retirements and disposition of depreciable assets	8 793	3 700	10	14
End-of-year gross book value of depreciable assets	272 022	182 169	6	4
Depreciation charges during year	26 328	17 698	6	5
Buildings and Other Structures, Additions, and Related Facilities				
Beginning-of-year gross book value of depreciable assets	37 600	37 947	11	9
Capital expenditures, other than land	1 996	2 050	14	19
New buildings and other structures	1 523	1 629	16	21
Used buildings and other structures	473	*421	31	49
Retirements and disposition of depreciable assets	*317	*568	43	54
End-of-year gross book value of depreciable assets	39 279	39 429	11	8
Depreciation charges during year	2 264	2 331	9	10
Machinery and Equipment				
Beginning-of-year gross book value of depreciable assets	207 960	134 105	6	5
Capital expenditures, other than land	33 260	11 765	10	8
New machinery and equipment, including automobiles and trucks	20 700	6 549	10	10
New automobiles and trucks, intended primarily for highway use	6 416	2 992	11	11
Used machinery and equipment, including automobiles and trucks	12 560	5 215	15	12
Retirements and disposition of depreciable assets	8 476	3 131	10	12
End-of-year gross book value of depreciable assets	232 743	142 740	6	5
Depreciation charges during year	24 064	15 367	6	6

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	1 999	1
Value of construction work	1 233 892	3
Establishments with inventories:		
Number	774	5
Value of construction work	599 340	3
Inventories¹:		
End of 1992, materials and supplies	21 265	9
End of 1991, materials and supplies	19 192	10
Establishments with no inventories:		
Number	640	6
Value of construction work	392 341	4
Establishments not reporting:		
Number	585	5
Value of construction work	242 211	5

¹Inventories 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
1992										
Number of establishments	1 999	1 286	361	224	104	17	5	1	—	—
All employees**	12 836	2 450	2 281	2 883	3 062	1 160	1 000	(D)	—	—
Payroll, all employees	253 483	31 572	36 880	57 626	68 009	28 917	30 478	(D)	—	—
Dollar value of business done	1 255 883	195 467	188 633	296 842	329 266	134 298	111 377	(D)	—	—
Value of construction work	1 233 892	193 917	184 199	293 356	323 220	128 454	110 745	(D)	—	—
Net value of construction work†	976 794	172 659	154 129	239 826	230 712	88 751	90 717	(D)	—	—
Value added††	561 172	98 255	88 917	140 121	124 103	52 611	57 164	(D)	—	—
Cost of materials, components, supplies, and fuels	437 613	75 953	69 646	103 190	112 655	41 984	34 185	(D)	—	—
Cost of construction work subcontracted out to others	257 097	(S)	30 070	53 530	92 508	39 703	20 028	(D)	—	—
Rental cost for machinery, equipment, and buildings	18 930	3 875	3 101	2 786	4 317	4 851	(D)	(D)	—	—
Capital expenditures, other than land	35 256	4 368	6 142	9 021	8 942	3 538	3 245	(D)	—	—
End-of-year gross book value of depreciable assets	272 022	44 302	36 793	64 939	73 252	24 984	27 752	(D)	—	—
1987										
All employees**	9 452	2 204	2 027	2 105	1 740	869	505	—	—	—
Value of construction work	724 664	127 420	122 793	155 839	147 620	170 991	(D)	—	—	—
Value added††	352 553	67 282	62 379	77 212	105 820	(D)	39 858	—	—	—
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	2	7	12	11	6	(Z)	(Z)	(D)	—	—
Net value of construction work†	2	10	13	9	4	(Z)	(Z)	(D)	—	—
Capital expenditures, other than land	9	16	35	24	6	(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 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
1992											
Number of establishments	1 999	(S)	(S)	340	560	339	204	181	49	30	10
All employees**	12 836	(S)	(S)	576	1 512	1 820	2 054	2 680	1 417	1 275	1 219
Payroll, all employees	253 483	(S)	(S)	5 887	20 221	27 976	35 417	56 498	34 832	33 595	37 213
Dollar value of business done	1 255 883	(S)	(S)	23 760	93 723	117 952	146 788	281 762	185 031	217 212	182 455
Value of construction work	1 233 892	(S)	(S)	23 347	92 953	116 222	144 766	274 600	183 790	209 273	181 823
Net value of construction work†	976 794	(S)	(S)	21 279	83 429	108 163	133 065	230 283	141 167	128 877	123 716
Value added††	561 172	(S)	(S)	12 272	44 638	66 765	77 535	140 703	76 136	64 978	73 872
Cost of materials, components, supplies, and fuels	437 613	(S)	(S)	9 419	39 562	43 129	57 552	96 742	66 271	71 838	50 476
Cost of construction work subcontracted out to others	257 097	(S)	(S)	(S)	9 523	8 059	11 701	44 317	42 624	80 396	58 107
Rental cost for machinery, equipment, and buildings	18 930	(S)	(S)	280	2 070	3 043	2 670	2 620	2 264	2 146	3 783
Capital expenditures, other than land	35 256	(S)	(S)	349	2 295	4 552	6 657	4 976	6 889	5 552	3 800
End-of-year gross book value of depreciable assets	272 022	(S)	(S)	6 028	30 615	30 955	30 669	47 306	48 668	41 752	34 199
1987											
All employees**	9 452	(S)	(S)	(S)	1 568	1 495	1 489	1 846	788	606	737
Value of construction work	724 664	(S)	(S)	(S)	73 951	87 433	94 128	160 714	85 203	195 913	(D)
Value added††	352 553	(S)	(S)	(S)	40 605	46 662	50 622	79 389	37 703	30 144	51 908
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	2	(S)	(S)	14	11	13	14	8	6	(Z)	(Z)
Net value of construction work†	2	(S)	(S)	12	10	12	13	10	9	(Z)	(Z)
Capital expenditures, other than land	9	(S)	(S)	31	23	23	37	19	20	(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 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
1992								
Value of construction work	1 233 892	776 063	282 283	138 723	3	4	5	7
Building construction	857 872	569 288	204 398	84 186	4	5	6	8
Single-family houses	276 696	197 191	53 139	26 366	8	11	9	12
Single-family houses, detached	252 109	177 723	49 957	24 428	8	11	9	12
Single-family houses, attached, including townhouses and townhouse-type condominiums	24 588	19 468	3 182	1 938	18	22	10	17
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	61 800	45 680	11 838	4 283	21	29	9	17
Other residential buildings, including hotels, motels, and tourist cabins	31 686	24 682	4 732	2 272	7	8	16	19
Office buildings	60 032	33 298	19 562	7 172	9	10	19	11
Other commercial buildings such as stores, restaurants, and automobile service stations	137 253	91 122	32 977	13 154	6	6	18	16
Industrial buildings and warehouses	57 213	28 168	14 846	14 199	8	9	10	19
Industrial buildings	38 641	18 948	10 290	9 404	10	10	10	20
Warehouses	18 572	9 220	4 556	* 4 795	15	19	21	42
Religious buildings	16 443	8 618	6 429	1 396	17	27	22	36
Educational buildings	72 434	45 245	22 008	5 181	5	6	10	18
Hospitals and institutional buildings	86 109	51 945	29 945	4 219	5	3	12	16
Farm buildings, nonresidential	34 105	26 870	4 029	3 205	22	26	23	25
Amusement, social, and recreational buildings, indoors	9 756	8 694	615	446	7	7	(Z)	30
Other nonresidential buildings	14 345	7 775	4 278	(S)	21	29	28	(S)
Nonbuilding construction	339 197	206 774	77 886	54 537	4	4	8	12
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	176 762	87 008	51 940	37 815	7	8	10	16
Private driveways and parking areas	11 518	6 338	3 382	1 797	26	32	29	39
Bridges, tunnels, and elevated highways	19 389	14 254	925	4 210	7	(Z)	(Z)	34
Conservation and development construction	30 359	23 910	(S)	1 087	17	15	(S)	25
Power and communication transmission lines, towers, and related facilities	41 727	30 936	7 636	3 155	7	8	10	23
Sewers, water mains, and related facilities	38 948	29 444	5 143	4 362	17	19	14	14
Other nonbuilding construction	20 494	14 884	3 499	* 2 111	15	15	39	64
Construction work, n.s.k.	36 823	(NA)	(NA)	(NA)	31	(NA)	(NA)	(NA)
1987								
Value of construction work	724 664	427 728	151 730	112 134	2	4	4	6
Building construction	493 200	309 998	105 026	75 710	3	4	6	7
Single-family houses	127 534	78 479	30 473	18 581	8	12	9	16
Single-family houses, detached	116 936	70 195	29 439	17 301	9	13	10	17
Single-family houses, attached, including townhouses and townhouse-type condominiums	10 598	8 284	1 034	1 280	24	29	22	17
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	36 800	11 164	2 726	22 909	6	17	11	3
Other residential buildings, including hotels, motels, and tourist cabins	42 765	33 563	6 376	2 824	4	4	3	27
Office buildings	43 958	26 277	11 750	5 930	7	9	10	15
Other commercial buildings such as stores, restaurants, and automobile service stations	71 246	50 553	13 587	7 106	8	10	15	19
Industrial buildings and warehouses	70 978	55 205	9 947	5 825	6	7	11	19
Industrial buildings	57 505	45 028	7 567	4 910	7	8	11	21
Warehouses	13 473	10 177	2 380	915	16	22	18	17
Religious buildings	13 299	9 077	2 290	1 931	23	32	18	21
Educational buildings	28 410	14 066	10 296	4 047	9	13	13	23
Hospitals and institutional buildings	30 978	17 766	10 030	3 182	17	28	14	28
Farm buildings, nonresidential	12 358	9 151	1 500	1 705	12	13	26	34
Other nonresidential buildings	14 874	6 261	6 051	* 2 571	11	19	13	41
Nonbuilding construction	198 392	116 165	46 704	35 522	5	6	8	12
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	124 096	66 025	34 338	23 732	6	9	10	13
Sewers, water mains, and related facilities	21 395	17 891	2 091	1 413	18	20	30	31
Other nonbuilding construction	52 901	32 249	10 275	10 377	(NA)	(NA)	(NA)	(NA)
Construction work, n.s.k.	33 072	(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 ¹				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
15, 16, 17	Construction industries -----	1 999	10 294	8 214	10 771	11 826	10 367	1	2	2	2	2	2	2
15	Building construction—General contractors and operative builders:													
152	General contractors, residential buildings:													
1521	Single-family houses -----	321	960	769	936	1 165	971	10	12	12	12	13	13	13
1522	Other residential buildings -----	37	211	201	243	204	197	32	32	33	28	36	34	34
1531	Operative builders -----	35	*72	*60	*55	*97	*78	33	56	49	57	51	52	52
154	General contractors, nonresidential buildings:													
1541	Industrial buildings and warehouses -----	*12	*54	47	46	*69	*54	62	42	32	33	54	42	42
1542	Nonresidential buildings, n.e.c. -----	144	1 165	969	1 164	1 333	1 196	16	8	7	7	8	8	8
16	Heavy construction other than building construction—contractors:													
1611	Highway and street construction -----	106	1 330	761	1 588	1 719	1 250	16	8	7	10	9	10	10
162	Heavy construction, except highway:													
1622	Bridge, tunnel, and elevated highway construction -----	3	31	(D)	34	35	(D)	(Z)	(Z)	(D)	(Z)	(Z)	(D)	(D)
1623	Water, sewer, and utility lines -----	55	608	412	650	732	640	21	7	8	7	7	6	6
1629	Heavy construction, n.e.c. -----	114	319	(D)	324	367	(D)	16	18	(D)	17	17	(D)	(D)
17	Special trade contractors:													
1711	Plumbing, heating, and air-conditioning -----	244	1 026	895	1 046	1 097	1 063	7	7	7	7	8	8	8
1721	Painting and paper hanging -----	106	336	285	370	430	260	13	11	13	14	14	10	10
1731	Electrical work -----	166	868	861	868	894	848	8	8	7	7	8	8	8
174	Masonry, stonework, tile setting, and plastering:													
1741	Masonry, stone setting, and other stonework -----	68	437	322	402	504	520	12	20	18	18	24	23	23
1742	Plastering, drywall, and insulation work -----	52	341	306	324	351	385	11	19	20	20	18	22	22
1743	Terrazzo, tile, marble, and mosaic work -----	*6	50	*59	*51	48	43	58	35	47	41	29	24	24
175	Carpentry and floor work:													
1751	Carpentry -----	140	406	367	410	458	390	8	13	13	12	13	14	14
1752	Floor laying and other floor work -----	42	110	(S)	(S)	90	137	18	14	(S)	(S)	17	5	5
1761	Roofing, siding, and sheet metal work -----	79	596	497	650	664	572	15	9	10	10	9	11	11
1771	Concrete work -----	102	445	271	525	534	452	12	17	18	18	18	17	17
1781	Water well drilling -----	24	64	60	69	71	56	6	7	7	8	8	6	6
179	Miscellaneous special trade contractors:													
1791	Structural steel erection -----	30	142	130	113	149	176	35	20	15	17	21	28	28
1793	Glass and glazing work -----	20	126	114	126	137	128	(Z)	8	6	11	5	5	5
1794	Excavation work -----	35	152	(S)	162	178	160	23	20	(S)	21	19	21	21
1795	Wrecking and demolition work -----	—	—	—	—	—	—	—	—	—	—	—	—	—
1796	Installing building equipment, n.e.c. -----	16	66	48	61	65	89	16	4	(Z)	4	4	3	3
1799	Special trade contractors, n.e.c. -----	43	379	(D)	451	436	(D)	24	18	(D)	16	17	(D)	(D)

¹Construction 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
15, 16, 17	Construction industries -----	6.4	19.7	119.9	.205	.355	.208	.249	.015
15	Building construction—General contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	3.6	15.2	147.0	.123	.396	.243	*.024	*.011
1522	Other residential buildings -----	7.7	19.7	211.8	.125	.300	.439	(S)	*.009
1531	Operative builders -----	4.9	19.3	506.4	.089	.446	.330	(S)	*.001
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1542	Nonresidential buildings, n.e.c. -----	10.6	20.9	217.5	.125	.273	.433	.013	.012
16	Heavy construction other than building construction—contractors:								
1611	Highway and street construction -----	14.5	22.4	131.7	.196	.308	.166	.248	.029
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	12.7	(D)	125.1	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines -----	13.1	29.9	116.7	.303	.365	.143	.126	.015
1629	Heavy construction, n.e.c. -----	3.5	20.1	125.6	.201	.266	.230	(D)	(S)
17	Special trade contractors:								
1711	Plumbing, heating, and air-conditioning -----	5.7	20.3	104.5	.263	.445	.072	.537	.014
1721	Painting and paper hanging -----	3.9	14.8	57.0	.319	.293	*.039	.499	.017
1731	Electrical work -----	6.7	20.5	92.0	.284	.394	*.075	.472	.015
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework -----	7.2	15.8	(D)	(D)	(D)	(D)	(D)	(D)
1742	Plastering, drywall, and insulation work -----	7.6	18.2	69.0	.305	.319	.054	.990	*.018
1743	Terrazzo, tile, marble, and mosaic work -----	11.3	14.8	57.8	.348	.263	.064	.900	.029
175	Carpentry and floor work:								
1751	Carpentry -----	3.4	13.3	57.0	.273	(D)	(D)	.484	.006
1752	Floor laying and other floor work -----	3.0	12.7	45.4	.324	.324	.027	(S)	.008
1761	Roofing, siding, and sheet metal work -----	9.7	23.8	104.3	.293	.497	.098	.406	(D)
1771	Concrete work -----	5.0	15.2	67.1	.257	.407	.028	.657	.013
1781	Water well drilling -----	3.6	17.8	91.6	.264	.512	(D)	.056	*.011
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	5.7	17.7	88.4	.239	(D)	.193	(S)	(D)
1793	Glass and glazing work -----	10.6	18.5	115.5	.269	.524	(D)	.656	(D)
1794	Excavation work -----	5.4	22.7	96.1	.292	.271	*.158	.774	(S)
1795	Wrecking and demolition work -----	—	—	—	—	—	—	—	—
1796	Installing building equipment, n.e.c. -----	6.1	20.5	82.1	.366	.312	.050	.590	.015
1799	Special trade contractors, n.e.c. -----	(D)	(D)	88.7	.237	.345	(S)	(D)	(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
15	BUILDING CONSTRUCTION—GENERAL CONTRACTORS AND OPERATIVE BUILDERS	17	CONSTRUCTION—SPECIAL TRADE CONTRACTORS—Con.
152	General Building Contractors—Residential Buildings	173	Electrical Work Special Trade Contractors
1521	General Contractors—Single-Family Houses	1731	Electrical Work Special Trade Contractors
1522	General Contractors—Residential Buildings, Other Than Single-Family	174	Masonry, Stone Work, Tile Setting, and Plastering Special Trade Contractors
153	Operative Builders	1741	Masonry, Stone Setting, and Other Stone Work Special Trade Contractors
1531	Operative Builders	1742	Plastering, Drywall, Acoustical, and Insulation Work Special Trade Contractors
154	General Building Contractors—Nonresidential Buildings	1743	Terrazzo, Tile, Marble, and Mosaic Work Special Trade Contractors
1541	General Contractors—Industrial Buildings and Warehouses	175	Carpentry and Floor Work Special Trade Contractors
1542	General Contractors—Nonresidential Buildings, Other Than Industrial Buildings and Warehouses	1751	Carpentry Work Special Trade Contractors
16	HEAVY CONSTRUCTION OTHER THAN BUILDING CONSTRUCTION—CONTRACTORS	1752	Floor Laying and Other Floor Work Special Trade Contractors, Not Elsewhere Classified
161	Highway and Street Construction, Except Elevated Highways	176	Roofing, Siding, and Sheet Metal Work Special Trade Contractors
1611	Highway and Street Construction Contractors, Except Elevated Highways	1761	Roofing, Siding, and Sheet Metal Work Special Trade Contractors
162	Heavy Construction, Except Highway and Street Construction	177	Concrete Work Special Trade Contractors
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	178	Water Well Drilling Special Trade Contractors
1629	Heavy Construction Contractors, Not Elsewhere Classified	1781	Water Well Drilling Special Trade Contractors
17	CONSTRUCTION—SPECIAL TRADE CONTRACTORS	179	Miscellaneous Special Trade Contractors
171	Plumbing, Heating, and Air-Conditioning Special Trade Contractors	1791	Structural Steel Erection Special Trade Contractors
1711	Plumbing, Heating, and Air-Conditioning Special Trade Contractors	1793	Glass and Glazing Work Special Trade Contractors
172	Painting and Paper Hanging Special Trade Contractors	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
Muscogee 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.