JOBNAME: No Job Name PAGE: 1 SESS: 1 OUTPUT: Mon Jan 22 15:45:21 1996 / pssw01/ disk2/ economic/ cc92a/ 08/ 01cvr

1992
Census of Construction Industries

CC92-A-8

GEOGRAPHIC AREA SERIES

Mountain States

Arizona, Colorado, Idaho, Montana,
Nevada, New Mexico, Utah, Wyoming

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

JOBNAME: No Job Name PAGE: 1 SESS: 54 OUTPUT: Tue Feb 6 10:55:43 1996 / pssw01/ disk2/ economic/ cc92a/ 00/ 02ack

Acknowledgments

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

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

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

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

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

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

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

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

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

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

JOBNAME: No Job Name PAGE: 1 SESS: 3 OUTPUT: Fri Mar 15 08:58:54 1996 / pssw01/ disk2/ economic/ cc92a/ 08/ 05tpage

1992
Census of Construction Industries

CC92-A-8

GEOGRAPHIC AREA SERIES

Mountain States

Arizona, Colorado, Idaho, Montana,
Nevada, New Mexico, Utah, Wyoming

Issued March 1996

U.S. Department of Commerce
Ronald H. Brown, Secretary
David J. Barram, Deputy Secretary

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

BUREAU OF THE CENSUS
Martha Farnsworth Riche, Director

JOBNAME: No Job Name PAGE: 1 SESS: 31 OUTPUT: Thu Feb 15 08:26:00 1996 / pssw01/ disk2/ economic/ cc92a/ 00/ 06rstr





Economics and Statistics Administration

Everett M. Ehrlich, Under Secretary for Economic Affairs

BUREAU OF THE CENSUS

Martha Farnsworth Riche, Director
Bryant Benton, Deputy Director

Paula J. Schneider, Principal Associate Director for Programs
Frederick T. Knickerbocker, Associate Director for Economic Programs
Thomas L. Mesenbourg, Assistant Director for Economic Programs

ECONOMIC PLANNING AND COORDINATION DIVISION
John P. Govoni, Chief

MANUFACTURING AND CONSTRUCTION DIVISION
David W. Cartwright, Chief

For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

Contents
Mountain States

	Page
Introduction to the Economic Census	IV
Census of Construction	VI
Users' Guide for Locating Statistics in This Report by Table Number	XI
Map—Regions and Census Divisions of the United States	XIII

STATES

Arizona	AZ–1
Colorado	CO–1
Idaho	ID–1
Montana	MT–1
Nevada	NV–1
New Mexico	NM–1
Utah	UT–1
Wyoming	WY–1

APPENDIXES

A.	Explanation of Terms	A–1
B.	Standard Industrial Classification Titles for Industry Groups and Industries	B–1
C.	Geographic Divisions and States	C–1
D.	Metropolitan Areas	D–1

Publication Program ..... Inside back cover

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:49:38 EPCV23 TLP:J_EV_REGION.TOC;1 3/ 25/ 96 13:34:21 DATA:J_EV_T1_56.TXT;1 3/ 25/ 96 13:33:37 UPF:CON_CENPROD:[CEN.DATA]J_EV_R PAGE: 1
TSF:TIPS92-13491870.DAT;1 3/ 25/ 96 13:49:21 UTF:TIPS93-13491870.DAT;1 3/ 25/ 96 13:49:21 META:TIPS96-13491870.DAT;1 3/ 25/ 96 13:49:36

Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

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

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

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

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

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

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

AUTHORITY AND SCOPE

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

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

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

AVAILABILITY OF THE DATA

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

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

WHAT'S NEW IN 1992

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

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

HISTORICAL INFORMATION

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

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for 1840 and subsequent censuses to include mining and some commercial activities. In 1902, Congress established a permanent Census Bureau and directed that a census of manufactures be taken every 5 years. The 1905 Manufactures Census was the first time a census was taken apart from the regular every-10-year population census.

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

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

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

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

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

Statistical reports from the 1987 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. All of the census data published since 1967 are still available for sale on microfiche from the Census Bureau.

AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

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

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1992 Economic Census and Related Statistics*. More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1992 Economic Census*. Contact Customer Services for information on availability.

Census of Construction

GENERAL

The 1992 Census of Construction Industries covers all employer establishments (establishments with payroll) primarily engaged in contract construction or construction on their own account for sale as defined in the *Standard Industrial Classification Manual: 1987*[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 questionnaries and one panel which received the control questionnaire. Along with the questionnaire, these establishments received an evaluation questionnaire, which requested information about respondents' reactions to the questionnaire, problems in completing the questionnaire, and how long it took to complete the questionnaire. Results from the 1989 Pretest questionnaire are reflected as reworded questions, improved instructions, and restructured value of business questions in the 1992 questionnaires.

DATA PROCESSING

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

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

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

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

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

GEOGRAPHIC CLASSIFICATION

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

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

CHANGE IN COLLECTION METHODOLOGY FOR VALUE OF CONSTRUCTION WORK DONE

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

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

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

DUPLICATION IN VALUE OF CONSTRUCTION WORK

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

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

SPECIAL TABULATIONS

Special tabulations of data collected in the 1992 Census of Construction Industries may be obtained on computer tape or in tabular form. The data will be in summary form and subject to the same rules prohibiting disclosure of confidential information (including name, address, kind of business, or other data for individual business establishments or companies) as are the regular publications.

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

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

COMPARABILITY OF CENSUS OF CONSTRUCTION INDUSTRIES DATA WITH OTHER DATA

Data contained in the reports of the 1992 Census of Construction Industries are not the same as the data published in the Census Bureau's monthly Construction Reports, Series C30, Value of New Construction Put in Place. The main difference is that the C30 series covers all new construction put in place without regard to who is performing the construction activity; whereas, the construction census figures cover both new construction and maintenance and repair work done by establishments classified in the construction industry. Significant amounts of construction are done by establishments classified outside of construction (in real estate, manufacturing, utilities, and communications, for example), both as ''force account'' construction and construction done for others. In addition, the value in place series includes 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				

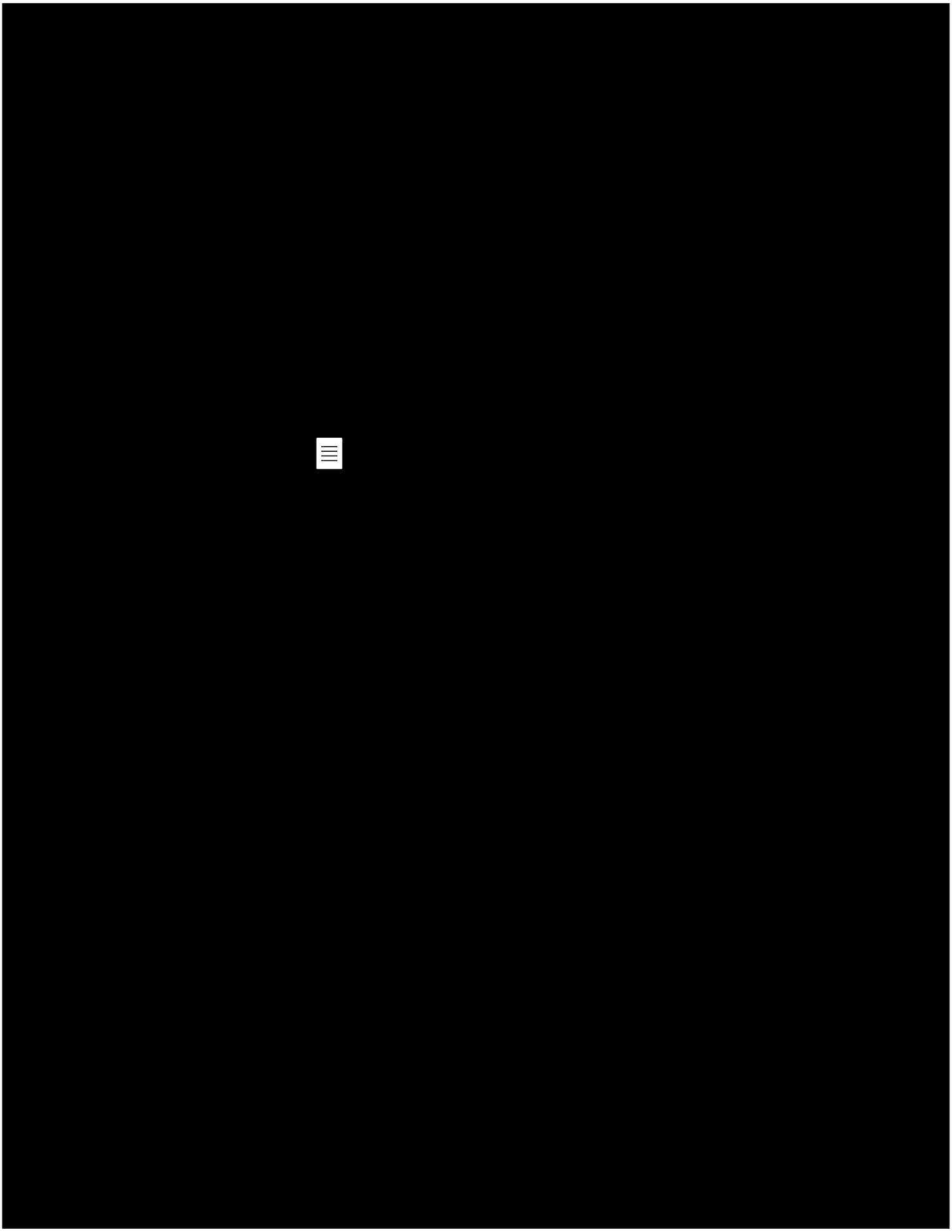
See footnotes at end of table.

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.

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

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



Contents
Arizona

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

Page

Summary of Findings 2

FIGURES

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

TABLES

Statistics for Establishments With and Without Payroll

1. Summary Statistics by Industry: 1992 and 1987 5

Statistics for Establishments With Payroll

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

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:36:13 EPCV23 TLP:J_EV_FINAL.TLP;1 3/ 25/ 96 13:35:56 DATA:J_EV_T1_04.TXT;3 3/ 25/ 96 13:33:38 UPF:CON_CENPROD:[CEN.DATA]J_EV_A PAGE: 1
TSF:TIPS92-13355690.DAT;1 3/ 25/ 96 13:35:59 UTF:TIPS93-13355690.DAT;1 3/ 25/ 96 13:36:00 META:TIPS96-13355690.DAT;1 3/ 25/ 96 13:36:11

Summary of Findings

This report provides results from the 1992 Census of Construction Industries for Arizona. 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 22,568 establishments in this State operating in the construction industries. These establishments accounted for $10.9 billion in total dollar value of business done.

Most of the 22,568 construction establishments were small. Of the total, 14,262 were nonemployers, and over half of the employer establishments had less than 5 employees. The 3,775 construction establishments with 5 employees or more, while representing only 17 percent of all establishments, accounted for more than 88 percent of the total dollar value of business done.

ESTABLISHMENTS WITH PAYROLL

During 1992, the establishments with paid employees accounted for $10.5 billion in total dollar value of business done. Of this amount, $10.3 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 $6.8 billion. In addition, these establishments paid out $3.2 billion for the cost of materials, fuels, power, rental of equipment and buildings, and the cost of selected purchased services. Value added for 1992 was $4.1 billion. (See Introduction and appendixes for explanation of terms.)

There were 8,306 establishments with total employment averaging 86,749 during the year. Total payroll for 1992 was $1.9 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 14,262 establishments with no payroll classified as construction. According to administrative records of the Federal Government, their dollar value of business done during 1992 was $457 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.

[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.

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

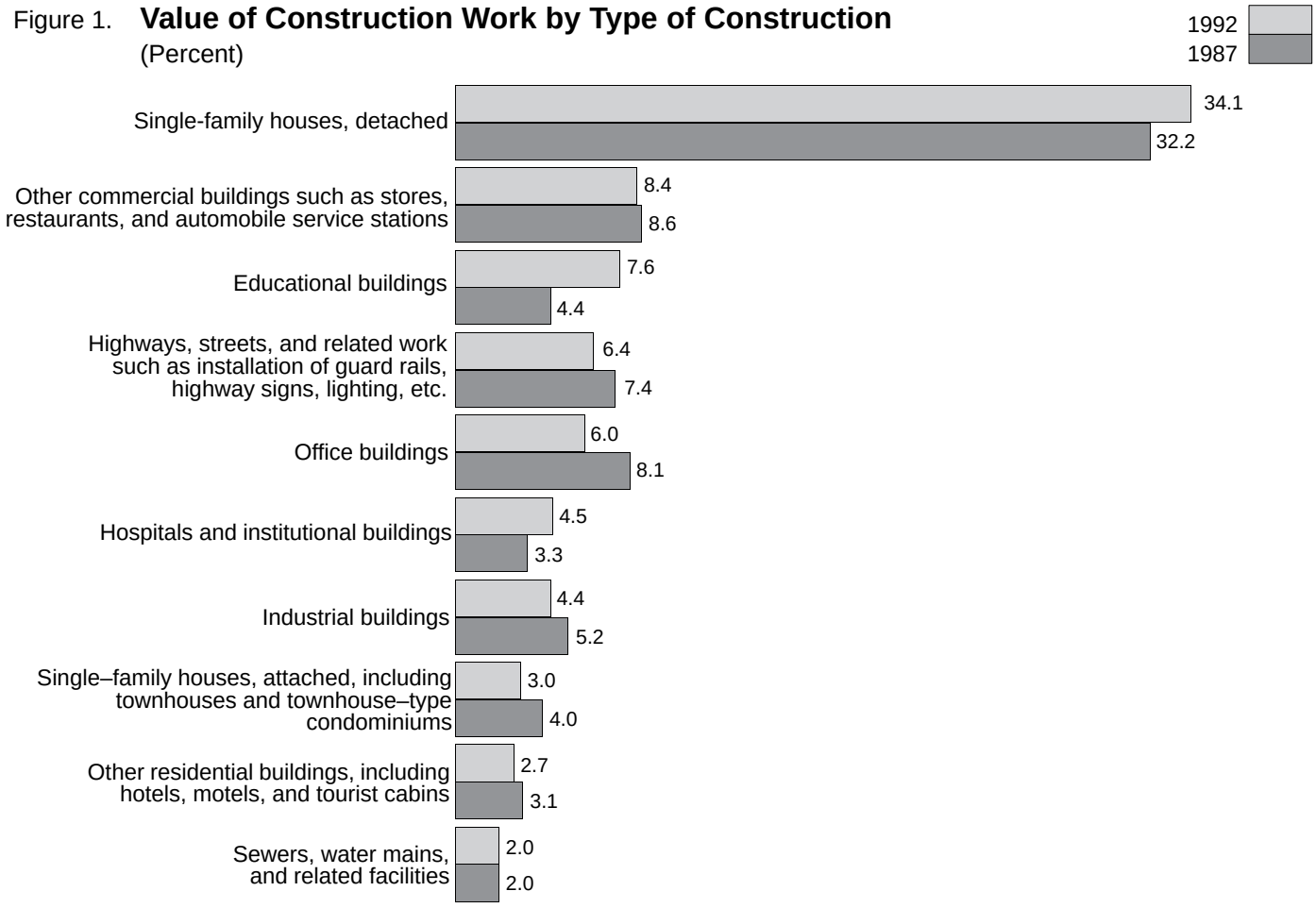


Figure 2. **Selected Costs per Dollar Value of Business Done**
(Percent)

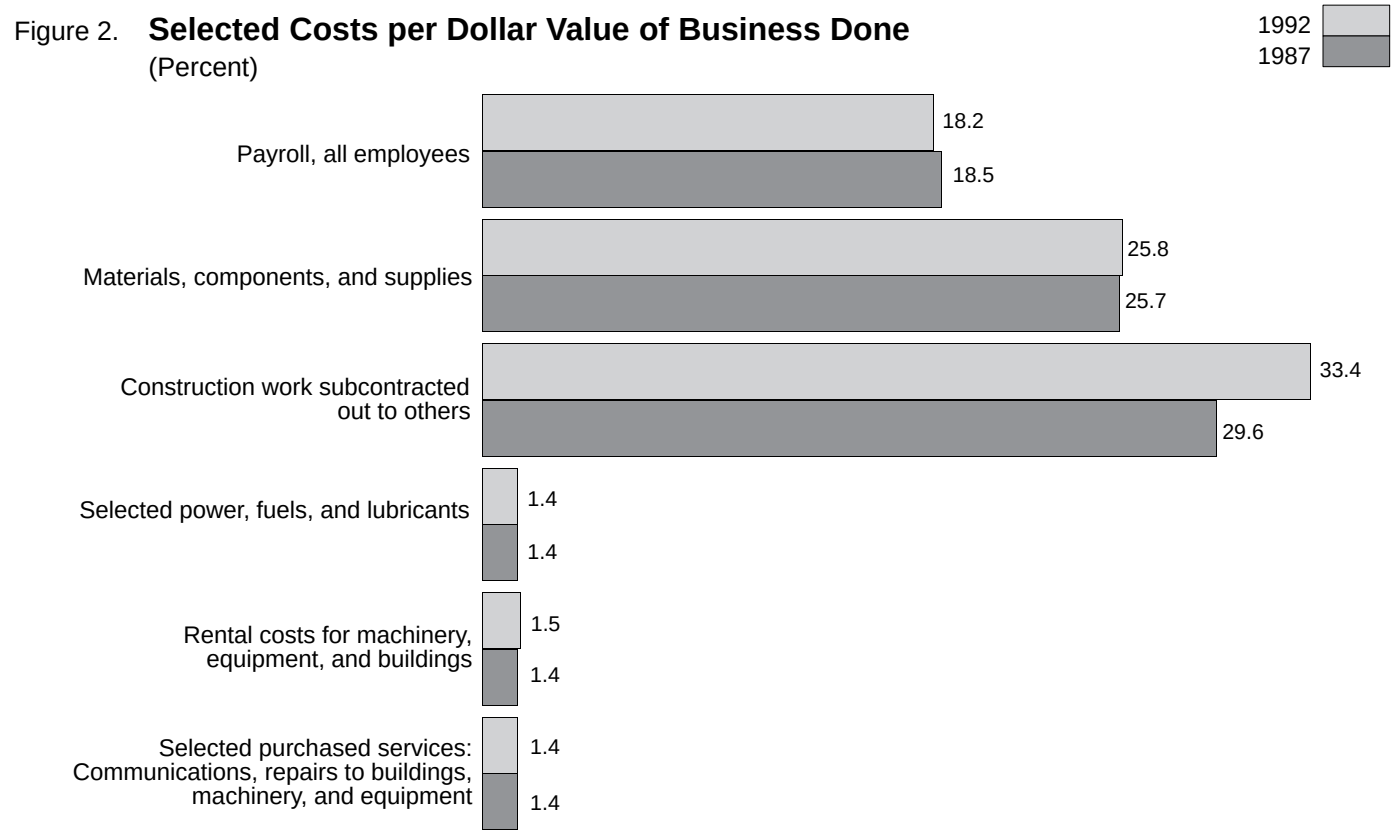


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1992 and 1987

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

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done[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	K
	1992													
15, 16, 17	**Construction industries**	**22 568**	**17 137**	**86 749**	**10 929 101**	**14 262**	**13 798**	**456 728**	**8 306**	**3 339**	**86 749**	**10 472 373**	**1**	**1**
15	**Building construction—General contractors and operative builders**	**4 321**	**2 546**	**19 554**	**5 485 519**	**2 094**	**1 821**	**189 766**	**2 227**	**725**	**19 554**	**5 295 753**	**2**	**1**
16	**Heavy construction other than building construction—contractors**	**672**	**341**	**10 283**	**1 254 483**	**234**	**224**	**6 928**	**438**	**117**	**10 283**	**1 247 555**	**2**	**2**
17	**Special trade contractors**	**17 576**	**14 249**	**56 911**	**4 189 099**	**11 934**	**11 753**	**260 034**	**5 642**	**2 496**	**56 911**	**3 929 065**	**1**	**1**
1711	Plumbing, heating, and air-conditioning	2 303	1 616	9 435	840 495	1 218	1 187	40 320	1 085	429	9 435	800 175	2	2
1731	Electrical work	1 612	1 063	7 176	535 305	844	803	19 588	768	260	7 176	515 717	3	3
	1987													
15, 16, 17	**Construction industries[2]**	**25 730**	**18 460**	**97 854**	**11 918 255**	**16 827**	**16 480**	**1 154 733**	**8 903**	**1 980**	**97 854**	**10 763 522**	**1**	**1**
15	**Building construction—General contractors and operative builders**	**5 189**	**3 020**	**20 875**	**5 536 002**	**2 983**	**2 680**	**310 121**	**2 206**	**340**	**20 875**	**5 225 881**	**2**	**2**
16	**Heavy construction other than building construction—contractors**	**743**	**288**	**13 037**	**1 412 576**	**249**	**242**	**19 646**	**494**	**46**	**13 037**	**1 392 930**	**2**	**2**
17	**Special trade contractors**	**18 910**	**14 397**	**62 762**	**4 337 349**	**12 944**	**12 834**	**466 482**	**5 966**	**1 563**	**62 762**	**3 870 867**	**1**	**1**
1711	Plumbing, heating, and air-conditioning	2 361	1 517	10 545	826 909	1 275	1 264	56 568	1 086	253	10 545	770 341	2	2
1731	Electrical work	1 788	1 090	8 298	560 590	911	885	35 056	877	205	8 298	525 534	3	2

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

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:35:45 EPCV23 TLP:J_EV_AREATAB.TLP;2 3/ 25/ 96 13:34:33 DATA:J_EV_T1_04.TXT;3 3/ 25/ 96 13:33:38 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 1
TSF:TIPS92-13350833.DAT;1 3/ 25/ 96 13:35:11 UTF:TIPS93-13350833.DAT;1 3/ 25/ 96 13:35:11 META:TIPS96-13350833.DAT;1 3/ 25/ 96 13:35:37

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							
			Employees**		Payroll				
		Number of establishments	All	Construction workers	All employees	Construction workers	Value of construction work	Net value of construction work†	Value added††
		A	B	C	D	E	F	G	H
15, 16, 17	**Construction industries**[1]	**8 306**	**86 749**	**66 453**	**1 904 417**	**1 306 317**	**10 323 979**	**6 822 623**	**4 122 386**
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	1 393	7 131	5 057	112 523	71 934	823 932	498 838	280 868
1522	Other residential buildings	55	540	384	8 857	4 929	66 307	37 850	23 030
1531	Operative builders	244	2 769	712	87 470	15 623	1 426 598	618 733	445 166
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	80	1 301	903	34 221	22 037	232 124	94 011	44 988
1542	Nonresidential buildings, n.e.c.	454	7 812	4 966	243 044	139 475	2 692 216	953 863	677 252
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	148	4 407	3 506	122 025	84 767	641 021	498 799	283 205
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines	150	3 222	2 596	97 439	70 678	277 210	259 396	183 186
1629	Heavy construction, n.e.c.	139	2 624	2 023	69 622	48 886	312 993	262 012	154 627
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	1 085	9 435	7 210	213 561	153 237	789 707	742 960	397 358
1721	Painting and paper hanging	511	3 305	2 734	54 461	42 188	151 525	143 802	98 005
1731	Electrical work	768	7 176	5 595	152 113	108 208	509 294	486 802	255 321
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	342	2 779	2 498	49 455	42 157	151 336	(D)	87 748
1742	Plastering, drywall, and insulation work	430	7 908	6 983	150 872	124 199	387 576	369 049	225 553
1743	Terrazzo, tile, marble, and mosaic work	159	724	590	11 781	9 430	37 797	35 504	21 393
175	Carpentry and floor work:								
1751	Carpentry	489	6 561	5 638	127 529	102 891	483 709	459 780	221 374
1752	Floor laying and other floor work	151	872	678	18 693	12 847	76 920	72 460	36 583
1761	Roofing, siding, and sheet metal work	349	4 140	3 325	72 978	52 728	264 798	259 248	137 605
1771	Concrete work	421	5 472	4 547	105 657	81 055	364 087	345 660	193 148
1781	Water well drilling	45	349	288	10 325	8 614	40 362	39 203	25 333
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	77	1 357	1 081	29 709	19 813	108 683	96 420	48 331
1793	Glass and glazing work	112	529	360	11 677	7 221	44 188	43 915	21 614
1794	Excavation work	125	666	543	14 125	10 435	46 078	42 902	34 017
1795	Wrecking and demolition work	*20	(D)	(D)	(D)	(D)	(D)	10 520	(D)
1796	Installing building equipment, n.e.c.	32	444	313	13 007	10 399	61 072	(D)	28 774
1799	Special trade contractors, n.e.c.	524	4 923	3 694	88 711	59 305	319 238	253 729	188 067

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

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:35:45 EPCV23 TLP:J_EV_AREATAB.TLP;2 3/ 25/ 96 13:34:33 DATA:J_EV_T1_04.TXT;3 3/ 25/ 96 13:33:38 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 2
TSF:TIPS92-13350833.DAT;1 3/ 25/ 96 13:35:11 UTF:TIPS93-13350833.DAT;1 3/ 25/ 96 13:35:11 META:TIPS96-13350833.DAT;1 3/ 25/ 96 13:35:37

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 contruction work sub-contracted in from others	Rental cost of machinery, equipment, and buildings	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Value of construction work	Value added††				
I	J	K	L	M	N	O	P	Q	B	G	M	
2 848 631	**3 501 356**	**3 104 673**	**161 474**	**123 711**	**998 778**	**97 854**	**9 973 925**	**4 213 191**	**1**	**1**	**3**	**15, 16, 17**
												15
												152
233 835	325 094	45 399	7 074	6 235	47 539	5 418	597 031	218 421	4	5	16	1521
15 241	28 456	*1 665	494	(S)	1 775	1 278	381 213	64 659	10	17	(S)	1522
193 944	807 866	807	4 817	7 427	59 138	6 115	1 900 939	565 485	4	6	9	1531
												154
52 614	138 112	32 663	4 407	2 299	16 371	1 087	185 471	55 587	7	9	28	1541
290 933	1 738 353	47 255	21 536	9 957	118 609	6 977	1 642 403	465 505	3	2	4	1542
												16
222 005	142 222	112 819	28 556	14 021	155 220	5 632	745 440	356 455	3	2	6	1611
												162
(D)	(D)	(D)	(D)	(D)	(D)	1 214	130 042	48 277	(D)	(D)	(D)	1622
80 278	17 814	70 608	14 045	15 890	72 130	2 812	232 527	138 571	5	3	14	1623
(D)	50 981	41 764	17 797	6 277	65 134	3 379	240 070	141 678	5	4	11	1629
												17
356 070	46 748	546 459	14 846	9 364	79 154	10 545	757 758	386 705	2	2	10	1711
46 953	7 723	107 380	1 962	4 082	17 723	2 682	99 106	71 477	7	6	23	1721
237 904	22 492	338 241	6 674	6 157	49 525	8 298	520 045	288 185	3	3	11	1731
												174
59 818	(D)	115 001	1 642	(S)	15 767	3 921	191 993	113 906	5	(D)	(S)	1741
147 636	18 527	364 578	3 745	6 147	36 361	10 340	496 921	299 752	3	2	11	1742
14 492	*2 292	36 853	680	678	3 744	1 083	46 945	28 549	9	8	32	1743
												175
249 349	23 929	453 883	5 225	6 092	46 091	5 254	354 896	174 374	5	4	12	1751
37 219	4 460	36 025	(S)	(S)	5 381	685	63 918	25 256	9	10	(S)	1752
121 966	5 549	152 416	3 590	3 730	33 868	4 596	261 650	148 528	4	4	15	1761
164 747	18 427	288 545	8 728	5 886	61 336	6 984	449 490	236 607	5	4	13	1771
14 804	1 159	3 183	826	(D)	24 984	312	23 387	12 659	8	3	(D)	1781
												179
51 171	12 264	81 669	(S)	2 137	18 422	1 237	84 388	58 860	7	6	18	1791
24 648	273	26 512	872	*184	2 385	877	65 345	30 053	13	13	47	1793
9 213	3 176	34 896	1 534	2 979	20 781	708	65 335	50 980	16	11	28	1794
(D)	(D)	(D)	(D)	(D)	(D)	(S)	(S)	(S)	(D)	36	(D)	1795
(D)	(D)	7 253	455	481	3 179	519	44 057	24 848	5	(D)	(Z)	1796
90 885	65 509	145 407	6 665	7 653	42 269	4 470	255 929	156 018	9	7	20	1799

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:35:45 EPCV23 TLP:J_EV_AREATAB.TLP;2 3/ 25/ 96 13:34:33 DATA:J_EV_T1_04.TXT;3 3/ 25/ 96 13:33:38 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 3
TSF:TIPS92-13350833.DAT;1 3/ 25/ 96 13:35:11 UTF:TIPS93-13350833.DAT;1 3/ 25/ 96 13:35:11 META:TIPS96-13350833.DAT;1 3/ 25/ 96 13:35:37

Table 3. **Detailed Statistics for Establishments With Payroll: 1992 and Earlier Census Years**

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

Item	1992	1987	1982	1977	Relative standard error of estimate (percent) 1992	1987	1982	1977
Number of establishments in business during year	8 306	8 903	6 803	5 285	1	1	2	3
Proprietors and working partners	3 339	1 980	2 001	2 652	3	5	5	6
All employees**	86 749	97 854	64 689	52 868	1	1	1	1
Construction workers:								
March	60 322	72 052	48 488	37 098	1	1	2	2
May	66 550	76 217	50 722	41 253	1	1	2	2
August	71 052	79 828	51 002	45 621	1	1	2	2
November	67 887	73 329	49 513	45 631	1	1	2	2
Average	66 453	75 357	50 662	42 435	1	1	2	2
Other employees:								
March	20 041	22 416	13 838	9 773	1	1	1	2
May	20 118	22 654	(NA)	(NA)	1	1	(NA)	(NA)
August	20 429	22 734	(NA)	(NA)	1	1	(NA)	(NA)
November	20 596	22 197	(NA)	(NA)	1	1	(NA)	(NA)
Average	20 296	22 500	(NA)	(NA)	1	1	(NA)	(NA)
Payroll, all employees	1 904 417	1 986 031	1 045 778	648 253	1	1	1	1
Payroll, construction workers	1 306 317	1 365 645	758 760	493 901	1	1	1	1
Payroll, other employees	598 099	620 386	287 017	154 352	1	1	1	2
First-quarter payroll, all employees	413 845	456 877	245 249	136 919	1	1	1	1
Fringe benefits, all employees	405 831	378 140	190 563	133 705	1	1	1	1
Legally required expenditures	287 467	273 437	141 042	80 329	1	1	1	1
Voluntary expenditures	118 364	104 703	49 521	53 377	1	1	1	1
Dollar value of business done	10 472 373	10 763 522	5 413 396	3 258 743	1	1	1	1
Value of construction work	10 323 979	9 973 925	5 002 050	3 060 011	1	1	1	1
Value of construction work subcontracted in from others	3 104 673	2 922 742	1 432 878	917 602	2	2	1	(Z)
Other business receipts	148 394	337 702	265 757	198 732	3	3	1	4
Net value of construction†	6 822 623	6 792 209	3 580 366	2 157 553	1	1	1	1
Value added††	4 122 386	4 213 191	2 213 619	1 292 615	1	1	1	1
Selected costs	6 349 987	6 098 437	3 054 189	1 842 930	1	1	1	1
Materials, components, and supplies	2 705 631	2 767 021	1 539 050	885 882	1	1	1	1
Construction work subcontracted out to others	3 501 356	3 181 716	1 421 684	902 458	1	2	1	2
Selected power, fuels, and lubricants	143 000	149 699	93 455	54 590	2	1	2	2
Electricity	23 227	28 844	13 197	12 545	3	1	2	2
Natural gas	4 030	4 004	2 261	5 124	5	3	4	11
Gasoline and diesel fuel	108 135	107 578	71 449	32 077	2	1	2	1
On highway use	81 342	82 919	(NA)	(NA)	2	1	(NA)	(NA)
Off highway use	26 793	24 659	(NA)	(NA)	3	2	(NA)	(NA)
Other, including lubricating oils and greases	7 609	9 271	6 547	4 846	6	3	3	4
Rental cost for machinery, equipment, and buildings	161 474	152 075	70 500	41 793	3	2	3	1
For machinery and equipment	118 585	96 618	49 276	35 516	4	2	4	1
For buildings	42 889	55 456	21 224	6 277	3	2	3	4
Selected purchased services	150 155	145 860	88 429	50 429	3	1	2	2
Communication services	45 747	37 418	20 681	11 947	3	2	2	3
Repairs to buildings and other structures	9 047	8 728	4 775	4 253	8	4	4	14
Repairs to machinery and equipment	95 361	99 714	62 972	34 229	3	1	2	2
Ownership of construction projects:								
Value of construction work	10 323 979	9 973 925	5 002 050	3 060 011	1	1	1	1
Government owned	2 675 276	1 909 345	867 848	554 000	3	2	3	1
Federal	684 746	446 310	(NA)	(NA)	5	4	(NA)	(NA)
State and local	1 990 530	1 463 035	(NA)	(NA)	3	3	(NA)	(NA)
Privately owned	7 648 703	8 064 580	4 134 201	2 506 011	1	1	1	1

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

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:35:45 EPCV23 TLP:J_EV_AREATAB.TLP;2 3/ 25/ 96 13:34:33 DATA:J_EV_T1_04.TXT;3 3/ 25/ 96 13:33:38 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 4
TSF:TIPS92-13350833.DAT;1 3/ 25/ 96 13:35:11 UTF:TIPS93-13350833.DAT;1 3/ 25/ 96 13:35:11 META:TIPS96-13350833.DAT;1 3/ 25/ 96 13:35:37

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	967 221	1 106 356	2	2
Capital expenditures, other than land	123 711	145 696	3	2
New	89 345	105 511	3	3
Used	34 366	40 185	5	4
Retirements and disposition of depreciable assets	92 154	63 745	2	5
End-of-year gross book value of depreciable assets	998 778	1 188 307	2	2
Depreciation charges during year	120 744	145 521	3	2
Buildings and Other Structures, Additions, and Related Facilities				
Beginning-of-year gross book value of depreciable assets	166 764	214 360	5	5
Capital expenditures, other than land	11 470	37 434	7	6
New buildings and other structures	9 586	30 587	8	7
Used buildings and other structures	1 884	6 847	17	14
Retirements and disposition of depreciable assets	(S)	9 352	(S)	19
End-of-year gross book value of depreciable assets	148 814	242 442	5	5
Depreciation charges during year	18 241	25 923	3	6
Machinery and Equipment				
Beginning-of-year gross book value of depreciable assets	800 457	891 885	2	2
Capital expenditures, other than land	112 241	108 262	3	2
New machinery and equipment, including automobiles and trucks	79 759	74 924	3	3
New automobiles and trucks, intended primarily for highway use	32 288	33 693	6	4
Used machinery and equipment, including automobiles and trucks	32 482	33 337	5	4
Retirements and disposition of depreciable assets	62 734	54 392	3	5
End-of-year gross book value of depreciable assets	849 965	945 865	2	2
Depreciation charges during year	102 504	119 598	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	8 306	1
Value of construction work	10 323 979	1
Establishments with inventories:		
Number	2 769	2
Value of construction work	5 042 945	1
Inventories[1]:		
End of 1992, materials and supplies	146 042	3
End of 1991, materials and supplies	92 705	4
Establishments with no inventories:		
Number	2 743	3
Value of construction work	3 652 413	2
Establishments not reporting:		
Number	2 794	3
Value of construction work	1 628 622	2

[1]Inventories at cost or market prior to any adjustment to correct to LIFO values.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:35:45 EPCV23 TLP:J_EV_AREATAB.TLP;2 3/ 25/ 96 13:34:33 DATA:J_EV_T1_04.TXT;3 3/ 25/ 96 13:33:38 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 5
TSF:TIPS92-13350833.DAT;1 3/ 25/ 96 13:35:11 UTF:TIPS93-13350833.DAT;1 3/ 25/ 96 13:35:11 META:TIPS96-13350833.DAT;1 3/ 25/ 96 13:35:37

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	8 306	4 530	1 824	1 038	631	180	79	15	7	1
All employees**	86 749	9 002	11 485	13 795	18 565	12 042	11 681	4 804	5 376	(D)
Payroll, all employees	1 904 417	138 033	201 665	285 609	408 896	289 262	281 116	118 726	181 110	(D)
Dollar value of business done	10 472 373	829 055	927 187	1 391 819	2 156 294	1 495 878	1 409 832	626 825	1 635 483	(D)
Value of construction work	10 323 979	817 705	911 834	1 374 545	2 126 965	1 461 270	1 385 437	611 824	1 634 400	(D)
Net value of construction work†	6 822 623	633 136	697 667	994 344	1 449 913	958 848	974 077	438 603	676 034	(D)
Value added††	4 122 386	361 785	399 548	576 951	820 462	556 876	546 692	303 476	556 595	(D)
Cost of materials, components, supplies, and fuels	2 848 631	282 700	313 472	434 667	658 781	436 580	451 780	150 128	120 522	(D)
Cost of construction work subcontracted out to others	3 501 356	184 569	214 167	380 200	677 051	502 422	411 360	173 221	958 366	(D)
Rental cost for machinery, equipment, and buildings	161 474	10 719	13 639	21 505	34 782	26 950	17 392	20 041	16 445	(D)
Capital expenditures, other than land	123 711	12 750	13 092	15 463	23 329	19 715	17 878	5 183	16 301	(D)
End-of-year gross book value of depreciable assets	998 778	88 240	97 508	121 465	212 550	131 907	134 225	70 613	142 271	(D)
1987										
All employees**	97 854	(S)	12 996	16 137	23 709	13 029	12 949	6 316	3 584	(D)
Value of construction work	9 973 925	(S)	1 123 882	1 365 422	2 576 361	1 382 862	1 369 469	1 307 285	(D)	(D)
Value added††	4 213 191	(S)	488 871	585 579	1 010 864	610 712	600 641	335 844	217 432	(D)
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	4	5	5	3	1	3	(Z)	(Z)	(D)
Net value of construction work†	1	5	5	5	2	1	1	(Z)	(Z)	(D)
Capital expenditures, other than land	3	14	13	10	4	9	4	(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	8 306	(S)	(S)	972	2 106	1 590	1 176	819	318	150	143
All employees**	86 749	(S)	(S)	1 514	6 787	9 281	11 285	15 417	11 871	8 957	20 543
Payroll, all employees	1 904 417	(S)	(S)	17 169	92 392	151 333	200 979	322 651	257 992	216 150	635 820
Dollar value of business done	10 472 373	(S)	(S)	71 145	348 605	557 164	819 943	1 252 757	1 118 061	1 032 632	5 244 403
Value of construction work	10 323 979	(S)	(S)	70 176	343 688	546 549	809 134	1 233 651	1 100 581	1 017 753	5 175 027
Net value of construction work†	6 822 623	(S)	(S)	64 000	314 777	471 541	665 488	1 002 131	875 124	739 227	2 665 775
Value added††	4 122 386	(S)	(S)	38 067	189 224	270 785	380 594	578 675	483 305	396 325	1 770 884
Cost of materials, components, supplies, and fuels	2 848 631	(S)	(S)	26 902	130 469	211 371	295 703	442 562	409 298	357 782	964 267
Cost of construction work subcontracted out to others	3 501 356	(S)	(S)	6 176	(S)	75 008	143 646	231 520	225 457	278 525	2 509 252
Rental cost for machinery, equipment, and buildings	161 474	(S)	(S)	(S)	5 627	8 729	12 308	28 762	23 506	17 760	63 684
Capital expenditures, other than land	123 711	(S)	(S)	(S)	(S)	10 702	12 182	16 923	18 943	12 944	42 612
End-of-year gross book value of depreciable assets	998 778	(S)	(S)	(S)	(S)	62 021	98 567	160 216	120 774	96 467	392 613
1987											
All employees**	97 854	(S)	(S)	(S)	(S)	(S)	12 226	19 298	14 789	9 429	20 851
Value of construction work	9 973 925	(S)	(S)	(S)	(S)	(S)	738 468	1 515 530	1 463 902	1 126 716	4 126 518
Value added††	4 213 191	(S)	(S)	(S)	(S)	(S)	381 350	718 312	652 894	483 544	1 432 417
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	1	(S)	(S)	9	6	6	5	4	4	2	(Z)
Net value of construction work†	1	(S)	(S)	7	5	6	5	4	3	2	1
Capital expenditures, other than land	3	(S)	(S)	(S)	(S)	14	14	8	11	1	1

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.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:35:45 EPCV23 TLP:J_EV_AREATAB.TLP;2 3/ 25/ 96 13:34:33 DATA:J_EV_T1_04.TXT;3 3/ 25/ 96 13:33:38 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 6
TSF:TIPS92-13350833.DAT;1 3/ 25/ 96 13:35:11 UTF:TIPS93-13350833.DAT;1 3/ 25/ 96 13:35:11 META:TIPS96-13350833.DAT;1 3/ 25/ 96 13:35:37

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

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

Type of construction	Value of construction work				Relative standard error of estimate (percent) for column—			
	Total	New construction	Additions, alterations, or reconstruction	Maintenance and repair				
	A	B	C	D	A	B	C	D
1992								
Value of construction work	**10 323 979**	**7 842 213**	**1 524 023**	**701 041**	**1**	**1**	**3**	**2**
Building construction	8 156 504	6 452 694	1 248 298	455 512	1	1	3	3
Single-family houses	3 830 720	3 312 123	345 635	172 962	2	2	6	6
Single-family houses, detached	3 518 627	3 066 021	303 909	148 696	2	2	6	6
Single-family houses, attached, including townhouses and townhouse-type condominiums	312 093	246 101	41 726	24 266	3	3	11	12
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	164 680	105 962	35 615	23 103	5	7	5	10
Other residential buildings, including hotels, motels, and tourist cabins	275 831	247 121	16 795	11 915	2	2	12	18
Office buildings	614 852	379 301	185 026	50 525	3	3	6	7
Other commercial buildings such as stores, restaurants, and automobile service stations	868 885	607 794	190 274	70 817	4	5	6	7
Industrial buildings and warehouses	641 126	431 719	146 095	63 312	2	3	3	6
Industrial buildings	456 242	280 159	125 440	50 643	3	4	3	6
Warehouses	184 883	151 560	20 655	12 669	3	3	6	20
Religious buildings	81 933	52 720	23 146	6 068	19	20	31	24
Educational buildings	788 688	595 729	162 471	30 487	3	2	8	5
Hospitals and institutional buildings	465 407	359 448	93 092	12 867	5	1	23	6
Amusement, social, and recreational buildings, indoors	191 514	177 706	10 043	3 765	3	3	26	21
Other nonresidential buildings	232 869	183 072	40 106	9 691	4	3	21	6
Nonbuilding construction	1 910 773	1 389 518	275 725	245 529	2	3	2	3
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	663 323	439 067	101 389	122 867	2	2	2	3
Outdoor swimming pools	151 803	130 311	13 937	7 555	24	28	8	26
Airport runways and related work	83 155	74 548	6 656	1 950	5	4	32	24
Private driveways and parking areas	56 764	(D)	(D)	23 378	9	(D)	(D)	7
Recreational facilities	73 506	64 112	4 563	*4 830	8	7	2	62
Conservation and development construction	59 600	51 695	2 996	4 910	6	6	20	10
Power and communication transmission lines, towers, and related facilities	77 913	49 482	13 986	14 445	5	7	6	6
Sewers, water mains, and related facilities	204 717	163 290	17 295	24 131	4	4	9	9
Sewers, sewer lines, septic systems, and related facilities	84 090	71 245	5 356	7 489	7	7	16	17
Water mains and related facilities	120 627	92 045	11 939	16 642	4	4	9	11
Pipeline construction other than sewer or water lines	118 248	(D)	(D)	1 276	5	(D)	(D)	20
Sewage treatment and water treatment plants	134 555	99 292	27 049	8 215	6	6	4	21
Other nonbuilding construction	287 189	219 287	35 931	31 972	4	4	7	11
Construction work, n.s.k.	256 702	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
1987								
Value of construction work	**9 973 925**	**7 790 710**	**1 215 602**	**572 412**	**1**	**1**	**2**	**3**
Building construction	7 785 004	6 444 677	952 997	358 437	1	1	3	5
Single-family houses	3 610 881	3 254 189	228 649	128 042	2	2	6	5
Single-family houses, detached	3 209 770	2 882 678	212 238	114 853	2	2	7	6
Single-family houses, attached, including townhouses and townhouse-type condominiums	401 111	371 511	16 411	13 189	5	6	7	15
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	502 541	451 011	28 835	22 694	3	4	9	8
Other residential buildings, including hotels, motels, and tourist cabins	314 062	255 711	36 370	21 980	2	2	13	9
Office buildings	807 625	609 074	163 645	34 905	2	2	5	4
Other commercial buildings such as stores, restaurants, and automobile service stations	860 426	632 271	161 604	66 550	3	3	6	11
Industrial buildings and warehouses	643 837	490 410	118 512	34 913	4	5	4	6
Industrial buildings	521 790	393 894	100 792	27 103	5	7	4	7
Warehouses	122 047	96 516	17 720	7 810	5	5	16	10
Religious buildings	86 120	63 178	17 202	5 739	11	15	10	8
Educational buildings	435 485	332 187	88 473	14 824	5	5	12	5
Hospitals and institutional buildings	325 446	227 784	86 047	11 614	4	3	10	6
Amusement, social, and recreational buildings, indoors	79 780	67 283	7 375	5 121	2	2	6	12
Other nonresidential buildings	118 797	84 268	16 281	18 245	(NA)	(NA)	(NA)	(NA)
Nonbuilding construction	1 793 689	1 323 337	262 602	207 749	1	2	2	4
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	733 225	447 550	172 918	112 756	2	3	2	7
Outdoor swimming pools	130 562	111 470	8 110	10 981	8	8	9	15
Private driveways and parking areas	60 785	38 443	8 994	13 347	6	7	3	12
Recreational facilities	62 524	53 037	4 781	4 705	15	16	6	32
Conservation and development construction	42 883	37 792	3 348	1 742	7	7	21	11
Power and communication transmission lines, towers, and related facilities	69 825	60 575	5 081	4 167	4	4	1	21
Sewers, water mains, and related facilities	197 506	168 294	12 346	16 865	3	3	7	9
Sewers, sewer lines, septic systems, and related facilities	91 810	78 077	8 098	5 634	5	4	8	22
Water mains and related facilities	105 696	90 217	4 248	11 231	3	3	5	6
Pipeline construction other than sewer or water lines	36 511	24 468	6 361	5 682	2	(Z)	11	(Z)
Sewage treatment and water treatment plants	28 122	19 773	*7 290	1 058	15	2	56	(Z)
Other nonbuilding construction	431 746	372 765	40 930	36 446	(NA)	(NA)	(NA)	(NA)
Construction work, n.s.k.	395 201	(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.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:35:45 EPCV23 TLP:J_EV_AREATAB.TLP;2 3/ 25/ 96 13:34:33 DATA:J_EV_T1_04.TXT;3 3/ 25/ 96 13:33:38 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 7
TSF:TIPS92-13350833.DAT;1 3/ 25/ 96 13:35:11 UTF:TIPS93-13350833.DAT;1 3/ 25/ 96 13:35:11 META:TIPS96-13350833.DAT;1 3/ 25/ 96 13:35:37

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
15, 16, 17	**Construction industries**	**8 306**	**66 453**	**60 322**	**66 550**	**71 052**	**67 887**	**1**	**1**	**1**	**1**	**1**	**1**
15	**Building construction—General contractors and operative builders:**												
152	General contractors, residential buildings:												
1521	Single-family houses	1 393	5 057	4 708	5 048	5 451	5 021	4	5	5	5	5	5
1522	Other residential buildings	55	384	417	434	367	318	29	12	12	12	12	12
1531	Operative builders	244	712	642	739	754	712	11	8	8	9	8	9
154	General contractors, nonresidential buildings:												
1541	Industrial buildings and warehouses	80	903	768	901	1 021	921	17	8	8	9	8	8
1542	Nonresidential buildings, n.e.c.	454	4 966	4 514	4 793	5 490	5 065	8	4	4	5	4	4
16	**Heavy construction other than building construction—contractors:**												
1611	Highway and street construction	148	3 506	2 841	3 792	3 835	3 555	12	3	3	3	4	3
162	Heavy construction, except highway:												
1622	Bridge, tunnel, and elevated highway construction	1	(D)	(D)	(D)	(D)	(D)	(Z)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines	150	2 596	1 877	2 544	3 066	2 896	11	5	5	5	5	4
1629	Heavy construction, n.e.c.	139	2 023	2 043	2 387	2 101	1 561	11	5	4	7	5	5
17	**Special trade contractors:**												
1711	Plumbing, heating, and air-conditioning	1 085	7 210	6 792	7 079	7 636	7 332	3	3	3	3	3	3
1721	Painting and paper hanging	511	2 734	2 156	2 769	3 108	2 904	5	7	7	7	8	8
1731	Electrical work	768	5 595	5 189	5 357	5 811	6 024	3	3	3	3	3	4
174	Masonry, stonework, tile setting, and plastering:												
1741	Masonry, stone setting, and other stonework	342	2 498	2 395	2 521	2 536	2 539	6	5	4	6	5	6
1742	Plastering, drywall, and insulation work	430	6 983	6 720	6 934	7 168	7 112	6	3	3	3	2	3
1743	Terrazzo, tile, marble, and mosaic work	159	590	605	594	622	538	11	10	13	10	13	8
175	Carpentry and floor work:												
1751	Carpentry	489	5 638	4 768	5 338	6 010	6 439	6	5	5	5	5	6
1752	Floor laying and other floor work	151	678	644	657	694	718	8	8	9	9	9	8
1761	Roofing, siding, and sheet metal work	349	3 325	3 111	3 415	3 419	3 356	6	5	5	5	5	5
1771	Concrete work	421	4 547	4 251	4 618	4 867	4 454	6	5	5	5	5	5
1781	Water well drilling	45	288	277	309	302	263	10	8	8	8	8	9
179	Miscellaneous special trade contractors:												
1791	Structural steel erection	77	1 081	1 071	1 075	1 180	998	15	7	7	7	7	8
1793	Glass and glazing work	112	360	292	339	401	408	13	14	11	13	18	16
1794	Excavation work	125	543	505	542	555	570	15	17	16	18	15	21
1795	Wrecking and demolition work	*20	(D)	(D)	(D)	(D)	(D)	43	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	32	313	299	300	317	334	23	7	8	5	7	7
1799	Special trade contractors, n.e.c.	524	3 694	3 200	3 870	4 114	3 594	8	11	8	10	11	13

[1]Construction workers during pay periods including 12th of March, May, August, and November.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:35:45 EPCV23 TLP:J_EV_AREATAB.TLP;2 3/ 25/ 96 13:34:33 DATA:J_EV_T1_04.TXT;3 3/ 25/ 96 13:33:38 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 8
TSF:TIPS92-13350833.DAT;1 3/ 25/ 96 13:35:11 UTF:TIPS93-13350833.DAT;1 3/ 25/ 96 13:35:11 META:TIPS96-13350833.DAT;1 3/ 25/ 96 13:35:37

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 subcontracted out to others	Value of construction work subcontracted in from others	Rental cost for machinery, equipment, and buildings
15, 16, 17	**Construction industries**	**10.4**	**22.0**	**155.4**	**.184**	**.276**	**.339**	**.301**	**.016**
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	5.1	15.8	162.9	.137	.284	.395	.055	.009
1522	Other residential buildings	9.8	16.4	172.7	.134	.230	.429	*.025	.007
1531	Operative builders	11.3	31.6	2 003.7	.061	.136	.566	.001	.003
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	16.2	26.3	257.1	.147	.227	.595	.141	.019
1542	Nonresidential buildings, n.e.c.	17.2	31.1	542.1	.090	.108	.646	.018	.008
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	29.8	27.7	182.8	.190	.346	.222	.176	.045
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines	21.5	30.2	106.8	.351	.290	.064	.255	.051
1629	Heavy construction, n.e.c.	18.9	26.5	154.7	.222	(D)	.163	.133	.057
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	8.7	22.6	109.5	.270	.451	.059	.692	.019
1721	Painting and paper hanging	6.5	16.5	55.4	.359	.310	.051	.709	.013
1731	Electrical work	9.3	21.2	91.0	.299	.467	.044	.664	.013
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	8.1	17.8	60.6	.327	.395	(D)	.760	.011
1742	Plastering, drywall, and insulation work	18.4	19.1	55.5	.389	.381	.048	.941	.010
1743	Terrazzo, tile, marble, and mosaic work	4.5	16.3	64.1	.312	.383	*.061	(S)	.018
175	Carpentry and floor work:								
1751	Carpentry	13.4	19.4	85.8	.264	.515	.049	.938	.011
1752	Floor laying and other floor work	5.8	21.4	113.5	.243	.484	.058	.468	(S)
1761	Roofing, siding, and sheet metal work	11.8	17.6	79.6	.276	.461	.021	.576	.014
1771	Concrete work	13.0	19.3	80.1	.290	.452	.051	.793	.024
1781	Water well drilling	7.8	29.6	140.1	.256	.367	.029	.079	.020
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	17.7	21.9	100.5	.273	.471	.113	.751	(S)
1793	Glass and glazing work	4.7	22.1	122.7	.264	.558	.006	.600	.020
1794	Excavation work	5.3	21.2	84.9	.307	.200	.069	.757	.033
1795	Wrecking and demolition work	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	13.9	29.3	195.1	.213	(D)	(D)	.119	.007
1799	Special trade contractors, n.e.c.	9.4	18.0	86.4	.278	.285	.205	.455	.021

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:35:45 EPCV23 TLP:J_EV_AREATAB.TLP;2 3/ 25/ 96 13:34:33 DATA:J_EV_T1_04.TXT;3 3/ 25/ 96 13:33:38 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 9
TSF:TIPS92-13350833.DAT;1 3/ 25/ 96 13:35:11 UTF:TIPS93-13350833.DAT;1 3/ 25/ 96 13:35:11 META:TIPS96-13350833.DAT;1 3/ 25/ 96 13:35:37

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	C	D	E	F	G	H	I	B	E
	PHOENIX–MESA, AZ MSA											
15,16, 17	**Construction industries**	**4 906**	**60 139**	**1 384 878**	**7 634 431**	**4 873 332**	**2 893 556**	**2 060 685**	**2 761 099**	**84 556**	**1**	**1**
15	**Building construction—General contractors and operative builders:**											
152	General contractors, residential buildings:											
1521	Single-family houses	(S)	3 768	64 649	452 190	268 049	158 984	113 736	184 141	2 728	6	5
1522	Other residential buildings	(S)	299	(D)	45 194	(D)	20 053	9 727	(D)	(D)	17	(D)
1531	Operative builders	137	2 031	66 801	1 166 845	473 808	342 098	144 070	693 037	5 834	4	8
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	38	804	22 265	162 897	64 246	32 995	33 155	98 651	(D)	8	8
1542	Nonresidential buildings, n.e.c.	310	5 354	176 437	2 019 219	622 473	382 281	244 829	1 396 746	4 908	4	3
16	**Heavy construction other than building construction—contractors:**											
1611	Highway and street construction	80	3 014	87 694	489 669	373 624	209 743	167 528	116 045	8 387	3	2
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines	95	2 710	84 190	230 549	215 819	153 582	65 617	14 729	14 597	6	4
1629	Heavy construction, n.e.c.	(S)	1 656	42 934	179 298	150 050	94 311	56 409	29 248	3 166	5	6
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	655	6 408	151 642	570 013	533 764	286 269	255 708	36 249	6 619	3	3
1721	Painting and paper hanging	325	2 354	40 495	113 720	107 312	71 862	36 538	*6 408	3 055	9	8
1731	Electrical work	485	5 103	112 380	372 227	353 398	182 505	176 638	18 829	4 168	3	2
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work	207	1 848	34 684	105 615	101 868	62 575	39 693	3 747	(S)	6	5
1742	Plastering, drywall, and insulation work	224	5 617	110 723	288 964	273 650	163 143	112 987	15 314	4 219	3	2
1743	Terrazzo, tile, marble, and mosaic work	116	549	9 447	31 325	29 063	17 413	11 722	*2 262	560	11	9
175	Carpentry and floor work:											
1751	Carpentry	309	4 809	99 166	381 462	362 113	172 947	190 451	19 349	4 485	6	4
1752	Floor laying and other floor work	109	684	15 650	63 418	59 752	29 882	30 206	*3 667	(S)	10	12
1761	Roofing, siding, and sheet metal work	214	2 926	51 796	196 653	192 299	102 668	89 871	4 354	2 677	4	4
1771	Concrete work	258	3 574	69 521	247 324	235 189	124 818	111 857	12 135	3 817	6	5
1781	Water well drilling	19	(D)	8 942	(D)	34 341	22 153	12 196	(D)	(D)	(D)	(Z)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	61	1 155	25 259	91 328	79 833	38 796	43 530	11 496	1 909	8	7
1793	Glass and glazing work	83	377	8 429	30 589	30 474	(D)	16 098	*115	(S)	19	19
1794	Excavation work	59	370	8 713	26 876	(D)	20 214	5 397	(D)	2 207	27	(D)
1795	Wrecking and demolition work	*19	(D)	(D)	(D)	(D)	(D)	(D)	(D)	76	(D)	(D)
1796	Installing building equipment, n.e.c.	26	385	12 048	58 433	(D)	27 000	18 084	(D)	(D)	6	(D)
1799	Special trade contractors, n.e.c.	352	3 773	70 171	260 253	199 252	151 566	70 050	*61 001	4 907	11	8
	TUCSON, AZ MSA											
15,16, 17	**Construction industries**	**1 377**	**15 722**	**324 667**	**1 674 030**	**1 190 464**	**783 248**	**438 735**	**483 565**	**23 672**	**2**	**1**
15	**Building construction—General contractors and operative builders:**											
152	General contractors, residential buildings:											
1521	Single-family houses	243	1 214	17 676	138 032	78 286	42 586	38 141	59 746	(S)	14	15
1522	Other residential buildings	6	236	2 408	(D)	(D)	2 783	5 263	(D)	(D)	10	(D)
1531	Operative builders	33	289	7 984	113 398	68 457	43 147	29 792	44 942	(D)	15	5
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	19	211	5 455	31 190	14 958	*6 430	8 583	16 233	131	23	30
1542	Nonresidential buildings, n.e.c.	90	1 909	55 409	594 477	298 559	(D)	26 843	295 917	(D)	5	2
16	**Heavy construction other than building construction—contractors:**											
1611	Highway and street construction	25	771	19 298	91 076	75 027	41 972	33 169	16 049	3 393	7	6
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	–	–	–	–	–	–	–	–	–	–	–
1623	Water, sewer, and utility lines	17	284	7 408	25 056	23 124	15 678	(S)	1 932	(D)	5	4
1629	Heavy construction, n.e.c.	12	486	14 313	63 840	(D)	28 049	26 252	(D)	1 815	4	(D)

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:35:45 EPCV23 TLP:J_EV_AREATAB.TLP;2 3/ 25/ 96 13:34:33 DATA:J_EV_T1_04.TXT;3 3/ 25/ 96 13:33:38 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 10
TSF:TIPS92-13350833.DAT;1 3/ 25/ 96 13:35:11 UTF:TIPS93-13350833.DAT;1 3/ 25/ 96 13:35:11 META:TIPS96-13350833.DAT;1 3/ 25/ 96 13:35:37

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	C	D	E	F	G	H	I	B	E
	TUCSON, AZ MSA—Con.											
15,16, 17	**Construction industries**—Con.											
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	175	1 650	36 675	123 585	116 838	62 944	54 975	6 746	1 313	4	4
1721	Painting and paper hanging	84	585	8 932	21 909	20 820	14 710	6 169	*1 090	(S)	16	12
1731	Electrical work	126	1 242	25 998	82 522	79 660	45 270	34 779	(S)	(S)	7	6
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work	58	537	9 258	(D)	(D)	15 144	11 664	(D)	(D)	9	(D)
1742	Plastering, drywall, and insulation work	67	1 474	25 753	57 974	56 686	38 310	19 178	(S)	389	7	4
1743	Terrazzo, tile, marble, and mosaic work	(S)	133	1 716	(D)	(D)	2 312	1 665	(D)	(S)	15	(D)
175	Carpentry and floor work:											
1751	Carpentry	83	1 247	21 301	74 553	72 670	35 227	47 034	1 883	(S)	9	8
1752	Floor laying and other floor work	20	94	1 344	5 026	4 840	3 156	1 741	186	57	10	4
1761	Roofing, siding, and sheet metal work	83	805	14 378	44 662	43 839	23 256	20 661	(S)	(S)	15	16
1771	Concrete work	75	1 198	23 969	68 273	63 894	37 784	32 731	4 379	1 317	5	5
1781	Water well drilling	(S)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	13	(D)	(D)	16 658	15 890	(D)	(D)	768	(D)	(D)	2
1793	Glass and glazing work	14	111	2 629	10 363	10 212	3 863	6 431	*151	67	9	6
1794	Excavation work	(S)	215	4 283	13 113	11 583	9 108	2 605	1 529	585	13	16
1795	Wrecking and demolition work	1	(D)	(D)	(D)	(D)	(D)	(D)	–	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	(S)	58	959	2 639	2 622	1 774	(D)	17	(D)	(Z)	(Z)
1799	Special trade contractors, n.e.c.	77	748	12 712	42 303	38 675	26 737	13 912	*3 629	2 347	17	16

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:35:45 EPCV23 TLP:J_EV_AREATAB.TLP;2 3/ 25/ 96 13:34:33 DATA:J_EV_T1_04.TXT;3 3/ 25/ 96 13:33:38 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 11
TSF:TIPS92-13350833.DAT;1 3/ 25/ 96 13:35:11 UTF:TIPS93-13350833.DAT;1 3/ 25/ 96 13:35:11 META:TIPS96-13350833.DAT;1 3/ 25/ 96 13:35:37

Contents
Colorado

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

Page

Summary of Findings 2

FIGURES

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

TABLES

Statistics for Establishments With and Without Payroll

1. Summary Statistics by Industry: 1992 and 1987 5

Statistics for Establishments With Payroll

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

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:38:01 EPCV23 TLP:J_EV_FINAL.TLP;2 3/ 25/ 96 13:37:45 DATA:J_EV_T1_08.TXT;2 3/ 25/ 96 13:32:28 UPF:CON_CENPROD:[CEN.DATA]J_EV_A PAGE: 1
TSF:TIPS92-13374677.DAT;1 3/ 25/ 96 13:37:49 UTF:TIPS93-13374677.DAT;1 3/ 25/ 96 13:37:49 META:TIPS96-13374677.DAT;1 3/ 25/ 96 13:37:58

Summary of Findings

This report provides results from the 1992 Census of Construction Industries for Colorado. 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 33,075 establishments in this State operating in the construction industries. These establishments accounted for $11.4 billion in total dollar value of business done.

Most of the 33,075 construction establishments were small. Of the total, 23,371 were nonemployers, and over half of the employer establishments had less than 5 employees. The 3,772 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 $10.7 billion in total dollar value of business done. Of this amount, $10.6 billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to $3.1 billion, leaving net value of construction work of $7.4 billion. In addition, these establishments paid out $3.6 billion for the cost of materials, fuels, power, rental of equipment and buildings, and the cost of selected purchased services. Value added for 1992 was $4.3 billion. (See Introduction and appendixes for explanation of terms.)

There were 9,704 establishments with total employment averaging 83,784 during the year. Total payroll for 1992 was $2.0 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 23,371 establishments with no payroll classified as construction. According to administrative records of the Federal Government, their dollar value of business done during 1992 was $726 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.

[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.

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

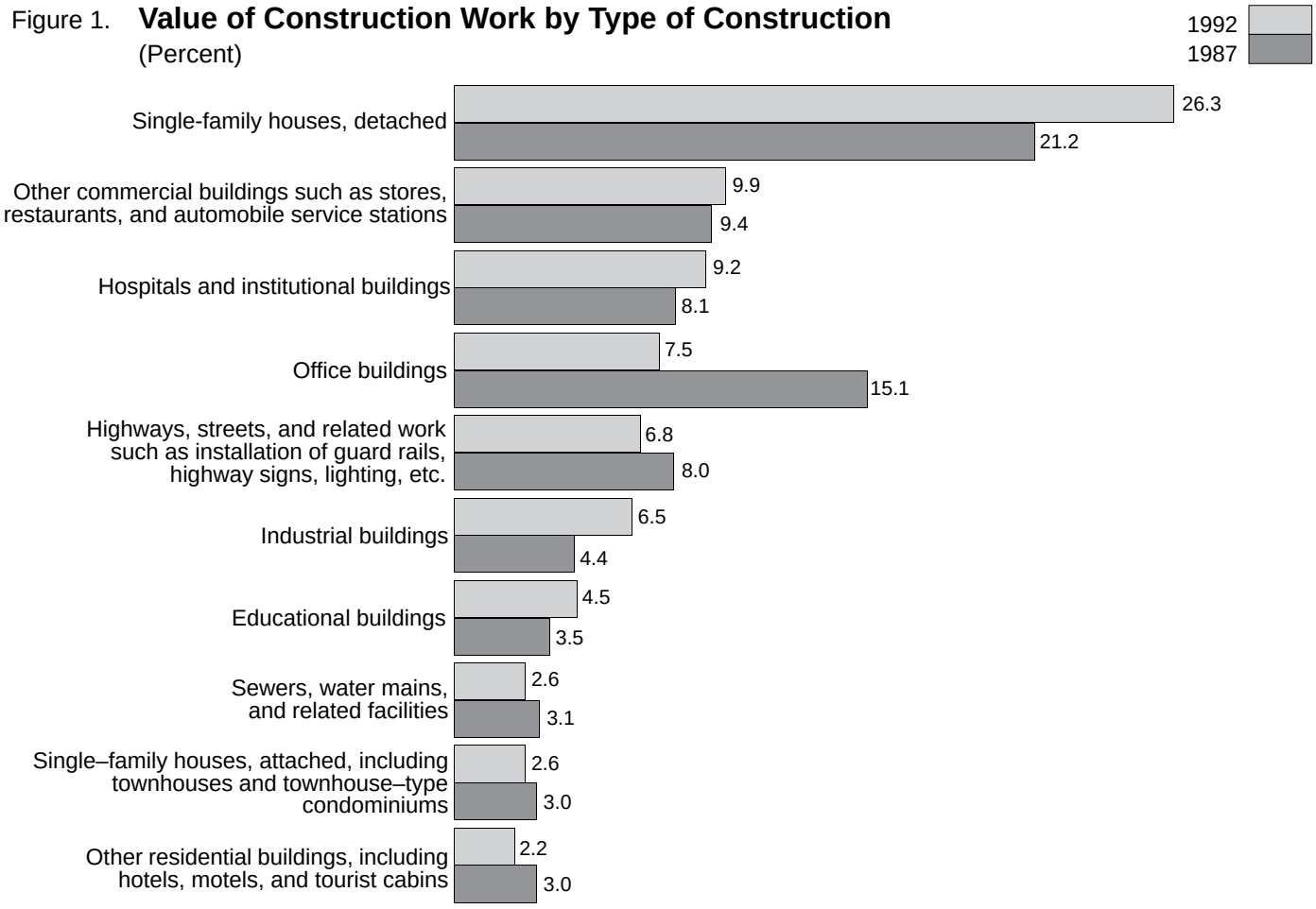


Figure 2. **Selected Costs per Dollar Value of Business Done**
(Percent)

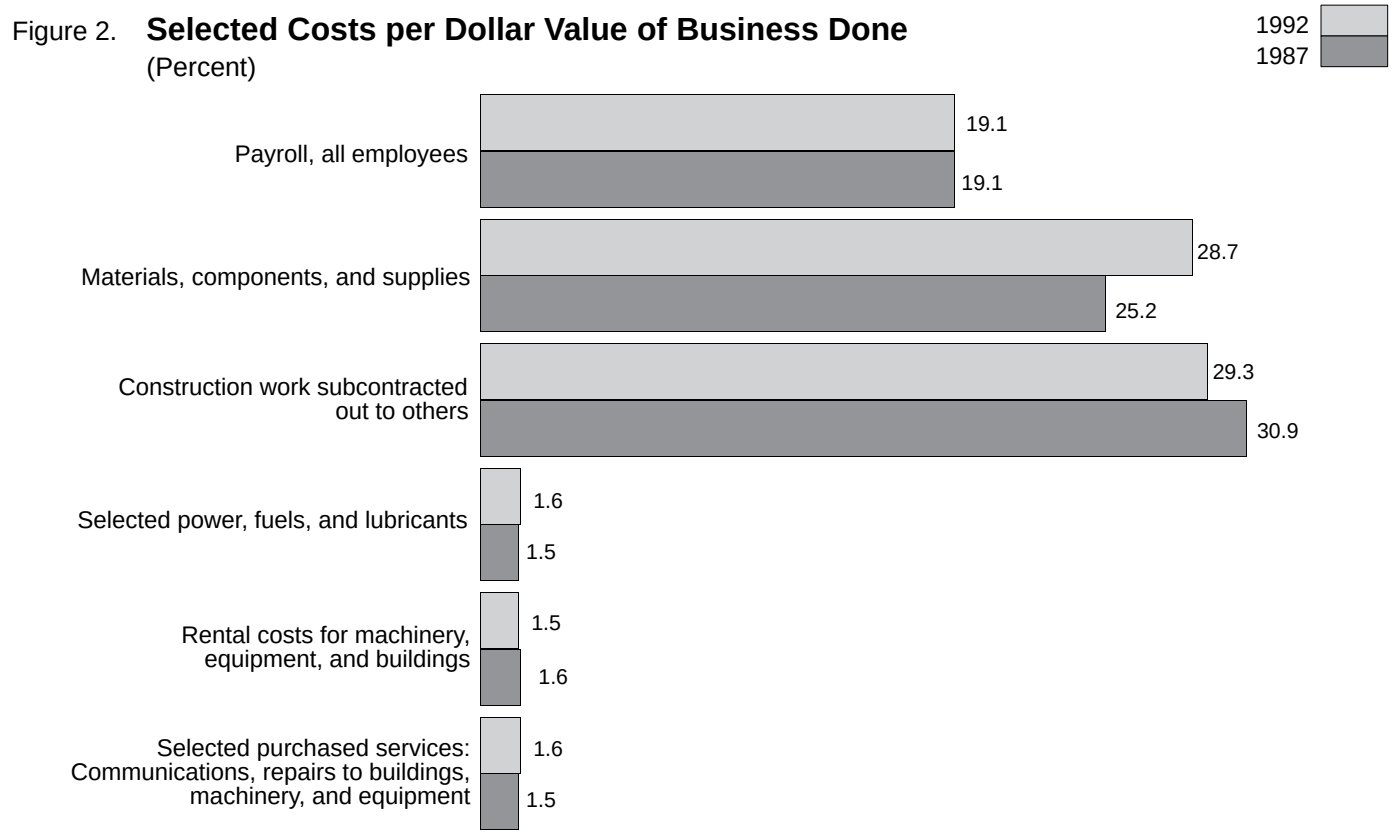


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1992 and 1987

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

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done[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	K
	1992													
15, 16, 17	**Construction industries**	**33 075**	**25 985**	**83 784**	**11 441 614**	**23 371**	**22 773**	**726 230**	**9 704**	**3 212**	**83 784**	**10 715 384**	**1**	**1**
15	**Building construction—General contractors and operative builders**	**6 503**	**4 305**	**19 046**	**5 207 583**	**3 898**	**3 531**	**277 378**	**2 605**	**774**	**19 046**	**4 930 205**	**2**	**2**
16	**Heavy construction other than building construction—contractors**	**1 092**	**574**	**14 468**	**1 959 791**	**394**	**394**	**12 358**	**698**	**180**	**14 468**	**1 947 433**	**2**	**1**
17	**Special trade contractors**	**25 480**	**21 105**	**50 271**	**4 274 240**	**19 079**	**18 848**	**436 494**	**6 401**	**2 257**	**50 271**	**3 837 746**	**1**	**1**
1711	Plumbing, heating, and air-conditioning	2 483	1 581	9 931	967 901	1 251	1 212	42 986	1 232	369	9 931	924 915	2	2
1731	Electrical work	1 826	1 079	9 195	751 717	928	894	23 999	898	(S)	9 195	727 718	2	2
	1987													
15, 16, 17	**Construction industries[2]**	**34 989**	**27 719**	**79 961**	**9 810 596**	**26 032**	**25 454**	**1 224 130**	**8 957**	**2 265**	**79 961**	**8 586 466**	**1**	**1**
15	**Building construction—General contractors and operative builders**	**7 575**	**5 316**	**19 581**	**4 491 964**	**5 316**	**4 842**	**413 442**	**2 259**	**474**	**19 581**	**4 078 522**	**2**	**2**
16	**Heavy construction other than building construction—contractors**	**1 106**	**582**	**15 293**	**1 588 961**	**433**	**406**	**23 819**	**673**	**176**	**15 293**	**1 565 142**	**2**	**1**
17	**Special trade contractors**	**25 452**	**21 020**	**44 217**	**3 265 080**	**19 600**	**19 435**	**520 620**	**5 852**	**1 585**	**44 217**	**2 744 460**	**1**	**1**
1711	Plumbing, heating, and air-conditioning	2 667	1 722	10 225	700 122	1 437	1 401	55 369	1 230	321	10 225	644 753	2	2
1731	Electrical work	1 946	1 177	8 173	607 050	1 057	1 031	35 016	889	146	8 173	572 034	2	1

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

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:37:34 EPCV23 TLP:J_EV_AREATAB.TLP;4 3/ 25/ 96 13:36:25 DATA:J_EV_T1_08.TXT;2 3/ 25/ 96 13:32:28 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 1
TSF:TIPS92-13365724.DAT;1 3/ 25/ 96 13:37:00 UTF:TIPS93-13365724.DAT;1 3/ 25/ 96 13:37:00 META:TIPS96-13365724.DAT;1 3/ 25/ 96 13:37:25

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							
			Employees**		Payroll				
		Number of establishments	All	Construction workers	All employees	Construction workers	Value of construction work	Net value of construction work†	Value added††
		A	B	C	D	E	F	G	H
15, 16, 17	**Construction industries**[1]	**9 704**	**83 784**	**65 441**	**2 045 952**	**1 475 890**	**10 554 643**	**7 414 061**	**4 323 209**
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	1 651	6 721	4 793	123 045	79 323	819 920	523 517	274 249
1522	Other residential buildings	85	729	494	17 481	9 519	96 312	48 320	28 676
1531	Operative builders	251	1 685	490	53 257	10 982	1 139 481	621 545	376 942
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	99	859	584	24 946	15 007	137 253	67 790	37 960
1542	Nonresidential buildings, n.e.c.	520	9 052	6 479	271 982	171 984	2 667 086	1 131 482	615 673
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	143	4 746	3 767	140 667	100 755	750 785	591 121	369 867
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	10	358	291	11 614	9 185	73 587	46 677	23 603
1623	Water, sewer, and utility lines	212	3 782	3 145	98 554	76 659	401 745	346 314	232 961
1629	Heavy construction, n.e.c.	332	5 582	4 627	158 516	128 275	671 582	545 111	324 313
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	1 232	9 931	7 457	258 526	189 184	910 429	808 840	443 663
1721	Painting and paper hanging	647	3 048	2 657	51 009	42 501	143 507	133 201	88 968
1731	Electrical work	898	9 195	7 332	238 684	185 049	722 211	697 404	398 410
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	306	2 475	2 165	50 857	41 994	145 995	142 615	88 554
1742	Plastering, drywall, and insulation work	345	4 236	3 657	88 350	69 527	238 147	226 037	141 767
1743	Terrazzo, tile, marble, and mosaic work	75	413	327	10 102	7 832	36 252	33 048	15 830
175	Carpentry and floor work:								
1751	Carpentry	730	3 232	2 749	60 659	47 046	249 533	197 512	115 661
1752	Floor laying and other floor work	182	1 079	844	24 080	16 736	100 406	83 993	46 990
1761	Roofing, siding, and sheet metal work	444	3 996	3 232	82 501	61 299	324 468	303 114	154 924
1771	Concrete work	618	5 223	4 481	104 744	81 914	374 771	351 242	200 671
1781	Water well drilling	57	289	212	6 262	4 544	24 836	24 482	14 222
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	69	1 302	1 087	36 505	28 147	112 709	97 203	67 538
1793	Glass and glazing work	71	626	451	15 654	10 922	46 982	46 231	23 211
1794	Excavation work	304	1 572	1 298	35 760	28 087	124 330	114 942	84 800
1795	Wrecking and demolition work	5	63	47	1 359	1 024	6 618	6 238	4 655
1796	Installing building equipment, n.e.c.	45	777	607	23 082	18 583	55 614	54 976	37 480
1799	Special trade contractors, n.e.c.	372	2 812	2 168	57 756	39 813	180 084	171 105	111 621

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

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:37:34 EPCV23 TLP:J_EV_AREATAB.TLP;4 3/ 25/ 96 13:36:25 DATA:J_EV_T1_08.TXT;2 3/ 25/ 96 13:32:28 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 2
TSF:TIPS92-13365724.DAT;1 3/ 25/ 96 13:37:00 UTF:TIPS93-13365724.DAT;1 3/ 25/ 96 13:37:00 META:TIPS96-13365724.DAT;1 3/ 25/ 96 13:37:25

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 contruction 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	
3 251 593	**3 140 582**	**3 038 884**	**164 655**	**188 740**	**1 232 264**	**79 961**	**8 276 694**	**3 506 543**	**1**	**1**	**4**	**15, 16, 17**
												15
												152
260 105	296 403	34 392	11 856	7 707	49 076	4 711	492 042	173 665	4	6	15	1521
22 811	47 992	*3 134	692	1 076	3 446	987	251 154	52 584	14	13	19	1522
276 918	517 936	864	2 574	4 269	24 286	3 394	866 181	322 709	7	6	19	1531
												154
31 494	69 463	10 395	2 304	1 333	*15 767	1 125	143 897	49 684	6	10	15	1541
537 978	1 535 604	52 461	17 666	23 051	99 861	9 364	2 166 885	546 277	3	2	3	1542
												16
242 846	159 663	108 887	29 939	37 962	256 278	5 704	649 841	334 029	3	3	13	1611
												162
(D)	26 910	12 742	937	651	14 770	693	108 254	20 984	(Z)	(Z)	7	1622
121 481	55 432	69 665	19 853	13 597	131 684	3 928	301 407	172 548	5	4	11	1623
240 536	126 471	123 211	16 744	17 640	116 366	4 968	463 802	260 700	3	2	20	1629
												17
379 663	101 589	606 648	15 147	12 408	96 237	10 225	634 449	302 483	2	2	17	1711
44 356	10 305	88 721	1 473	3 288	14 598	2 323	100 452	69 868	5	5	20	1721
304 501	24 807	466 795	9 468	11 283	73 415	8 173	566 983	343 119	2	2	10	1731
												174
54 276	3 381	157 990	3 500	6 442	26 514	2 005	99 086	63 318	4	5	21	1741
84 848	12 111	229 150	2 965	2 676	17 263	3 718	191 263	113 376	5	5	18	1742
17 792	*3 204	19 219	257	179	2 132	200	14 605	8 385	13	12	34	1743
												175
84 283	52 021	188 949	2 399	(S)	27 589	2 195	155 316	66 603	6	8	(S)	1751
38 733	*16 413	87 009	1 437	1 569	8 841	614	53 022	24 450	6	8	16	1752
148 346	21 353	215 231	2 706	4 857	29 843	3 552	210 124	114 338	5	4	8	1761
154 154	23 529	214 405	4 747	8 870	70 345	4 116	216 616	133 900	5	5	14	1771
10 764	354	(D)	294	1 241	15 312	262	16 441	9 099	11	10	5	1781
												179
31 888	15 506	81 290	2 804	1 378	11 696	1 186	92 963	52 324	17	14	25	1791
27 406	750	34 379	1 258	787	6 484	630	40 592	23 637	8	7	38	1793
31 144	9 387	97 868	5 361	11 923	62 385	1 580	95 200	69 386	11	9	19	1794
(D)	380	(D)	*790	*213	*4 910	177	6 222	5 295	(Z)	(Z)	65	1795
17 570	638	20 771	1 061	582	4 376	633	53 020	36 798	1	1	(Z)	1796
62 444	8 979	107 663	6 423	9 645	48 791	2 628	150 079	90 153	8	7	20	1799

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:37:34 EPCV23 TLP:J_EV_AREATAB.TLP;4 3/ 25/ 96 13:36:25 DATA:J_EV_T1_08.TXT;2 3/ 25/ 96 13:32:28 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 3
TSF:TIPS92-13365724.DAT;1 3/ 25/ 96 13:37:00 UTF:TIPS93-13365724.DAT;1 3/ 25/ 96 13:37:00 META:TIPS96-13365724.DAT;1 3/ 25/ 96 13:37:25

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					Relative standard error of estimate (percent)			
	1992	1987	1982	1977	1992	1987	1982	1977
Number of establishments in business during year	9 704	8 957	9 453	8 509	1	1	1	3
Proprietors and working partners	3 212	2 265	3 342	4 936	3	5	4	5
All employees**	83 784	79 961	93 279	74 493	1	1	1	1
Construction workers:								
March	57 258	54 594	69 969	53 451	1	1	1	1
May	65 986	61 603	74 916	61 252	1	1	1	1
August	71 489	66 369	80 147	65 647	1	1	1	1
November	67 028	61 495	71 698	62 779	1	1	1	1
Average	65 441	61 015	75 186	60 828	1	1	1	1
Other employees:								
March	17 802	19 252	17 988	13 241	1	1	1	1
May	17 990	18 841	(NA)	(NA)	1	1	(NA)	(NA)
August	18 762	19 027	(NA)	(NA)	1	1	(NA)	(NA)
November	18 822	18 662	(NA)	(NA)	1	1	(NA)	(NA)
Average	18 344	18 946	(NA)	(NA)	1	1	(NA)	(NA)
Payroll, all employees	2 045 952	1 636 597	1 722 473	959 258	1	1	1	1
Payroll, construction workers	1 475 890	1 153 626	1 321 896	740 876	1	1	1	1
Payroll, other employees	570 061	482 971	400 577	218 381	1	1	1	1
First-quarter payroll, all employees	428 142	363 215	390 588	196 773	1	1	1	1
Fringe benefits, all employees	478 455	342 816	313 348	163 751	1	1	1	1
Legally required expenditures	347 926	237 656	230 924	92 914	1	1	1	1
Voluntary expenditures	130 529	105 159	82 424	70 837	2	1	1	1
Dollar value of business done	10 715 384	8 586 466	8 476 363	4 322 414	1	1	1	1
Value of construction work	10 554 643	8 276 694	8 158 522	4 082 458	1	1	1	1
Value of construction work subcontracted in from others	3 038 884	1 682 988	1 852 754	1 007 565	2	2	3	(Z)
Other business receipts	160 741	169 438	194 044	239 956	4	3	2	2
Net value of construction†	7 414 061	5 626 127	5 873 743	3 046 056	1	1	1	1
Value added††	4 323 209	3 506 543	3 481 803	1 858 813	1	1	1	1
Selected costs	6 392 175	4 939 589	4 870 762	2 358 571	1	1	1	1
Materials, components, and supplies	3 080 544	2 163 942	2 451 674	1 260 399	1	2	1	1
Construction work subcontracted out to others	3 140 582	2 650 567	2 284 778	1 036 402	2	1	1	2
Selected power, fuels, and lubricants	171 050	125 079	134 309	61 770	1	1	1	1
Electricity	23 409	16 719	16 802	6 543	3	2	2	2
Natural gas	12 928	9 230	9 087	4 638	2	2	2	5
Gasoline and diesel fuel	126 034	90 899	99 649	42 315	2	1	1	1
On highway use	86 141	61 385	(NA)	(NA)	2	1	(NA)	(NA)
Off highway use	39 893	29 514	(NA)	(NA)	2	3	(NA)	(NA)
Other, including lubricating oils and greases	8 679	8 230	8 770	8 274	3	3	3	3
Rental cost for machinery, equipment, and buildings	164 655	138 551	113 516	52 864	3	2	2	1
For machinery and equipment	120 944	96 482	82 501	41 823	3	2	2	2
For buildings	43 711	42 068	31 014	11 041	4	2	2	2
Selected purchased services	172 110	129 608	114 697	75 174	3	2	1	1
Communication services	46 833	29 240	26 064	15 569	4	2	2	2
Repairs to buildings and other structures	8 923	7 053	5 693	3 761	7	6	4	4
Repairs to machinery and equipment	116 354	93 314	82 939	55 844	3	2	1	1
Ownership of construction projects:								
Value of construction work	10 554 643	8 276 694	8 158 522	4 082 458	1	1	1	1
Government owned	3 439 609	2 198 061	1 328 860	766 470	2	2	2	1
Federal	1 187 232	890 945	(NA)	(NA)	3	2	(NA)	(NA)
State and local	2 252 376	1 307 116	(NA)	(NA)	3	2	(NA)	(NA)
Privately owned	7 115 034	6 078 632	6 829 662	3 315 988	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.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:37:34 EPCV23 TLP:J_EV_AREATAB.TLP;4 3/ 25/ 96 13:36:25 DATA:J_EV_T1_08.TXT;2 3/ 25/ 96 13:32:28 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 4
TSF:TIPS92-13365724.DAT;1 3/ 25/ 96 13:37:00 UTF:TIPS93-13365724.DAT;1 3/ 25/ 96 13:37:00 META:TIPS96-13365724.DAT;1 3/ 25/ 96 13:37:25

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	1 115 712	1 185 837	3	2
Capital expenditures, other than land	188 740	122 066	4	3
New	120 659	87 953	3	3
Used	68 081	34 113	8	6
Retirements and disposition of depreciable assets	72 188	89 658	5	3
End-of-year gross book value of depreciable assets	1 232 264	1 218 245	3	2
Depreciation charges during year	133 578	145 495	2	2
Buildings and Other Structures, Additions, and Related Facilities				
Beginning-of-year gross book value of depreciable assets	157 884	196 275	9	5
Capital expenditures, other than land	12 133	19 198	10	4
New buildings and other structures	9 673	16 022	11	4
Used buildings and other structures	2 460	3 175	13	15
Retirements and disposition of depreciable assets	20 142	13 870	1	11
End-of-year gross book value of depreciable assets	149 874	201 603	10	5
Depreciation charges during year	11 053	20 220	7	5
Machinery and Equipment				
Beginning-of-year gross book value of depreciable assets	957 829	989 562	2	2
Capital expenditures, other than land	176 607	102 868	4	3
New machinery and equipment, including automobiles and trucks	110 986	71 930	4	3
New automobiles and trucks, intended primarily for highway use	40 207	26 856	5	5
Used machinery and equipment, including automobiles and trucks	65 621	30 937	8	6
Retirements and disposition of depreciable assets	52 046	75 788	6	3
End-of-year gross book value of depreciable assets	1 082 391	1 016 641	2	2
Depreciation charges during year	122 525	125 275	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	9 704	1
Value of construction work	10 554 643	1
Establishments with inventories:		
Number	3 117	2
Value of construction work	4 561 705	1
Inventories[1]:		
End of 1992, materials and supplies	119 330	10
End of 1991, materials and supplies	104 118	10
Establishments with no inventories:		
Number	3 669	2
Value of construction work	4 597 871	1
Establishments not reporting:		
Number	2 919	2
Value of construction work	1 395 067	2

[1]Inventories at cost or market prior to any adjustment to correct to LIFO values.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:37:34 EPCV23 TLP:J_EV_AREATAB.TLP;4 3/ 25/ 96 13:36:25 DATA:J_EV_T1_08.TXT;2 3/ 25/ 96 13:32:28 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 5
TSF:TIPS92-13365724.DAT;1 3/ 25/ 96 13:37:00 UTF:TIPS93-13365724.DAT;1 3/ 25/ 96 13:37:00 META:TIPS96-13365724.DAT;1 3/ 25/ 96 13:37:25

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	9 704	5 933	1 791	1 133	613	156	65	11	1	2
All employees**	83 784	11 319	11 444	14 815	18 036	10 528	9 699	3 696	4 247	(D)
Payroll, all employees	2 045 952	181 932	226 593	320 232	472 598	286 301	300 208	105 971	152 117	(D)
Dollar value of business done	10 715 384	1 291 203	1 002 803	1 375 062	2 284 125	1 291 343	1 656 571	1 814 277	(D)	(D)
Value of construction work	10 554 643	1 274 690	983 239	1 356 720	2 251 305	1 259 332	1 625 963	1 803 394	(D)	(D)
Net value of construction work†	7 414 061	929 551	775 993	1 074 680	1 580 463	903 225	1 064 057	1 086 093	(D)	(D)
Value added††	4 323 209	496 986	460 173	635 228	896 759	545 334	662 179	195 011	431 540	(D)
Cost of materials, components, supplies, and fuels	3 251 593	449 079	335 384	457 794	716 524	389 902	432 486	470 425	(D)	(D)
Cost of construction work subcontracted out to others	3 140 582	345 139	207 246	282 040	670 842	356 107	561 906	717 301	(D)	(D)
Rental cost for machinery, equipment, and buildings	164 655	13 678	18 796	23 041	42 336	24 756	28 956	13 092	(D)	(D)
Capital expenditures, other than land	188 740	19 525	27 323	31 375	35 695	26 885	42 394	2 726	2 817	(D)
End-of-year gross book value of depreciable assets	1 232 264	142 895	154 524	207 043	259 025	168 087	221 559	39 914	39 218	(D)
1987										
All employees**	79 961	10 351	11 591	13 361	15 070	10 821	9 339	3 193	6 231	(D)
Value of construction work	8 276 694	951 266	876 797	1 056 948	1 498 305	1 152 992	1 322 076	1 418 309	(D)	(D)
Value added††	3 506 543	385 834	387 091	518 356	643 778	502 915	765 326	(D)	303 241	(D)
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	4	5	4	3	2	(Z)	(Z)	(Z)	(D)
Net value of construction work†	1	5	6	4	2	1	(Z)	(Z)	(D)	(D)
Capital expenditures, other than land	4	10	18	16	3	1	(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	9 704	(S)	(S)	1 259	2 535	1 701	1 253	958	376	184	123
All employees**	83 784	(S)	(S)	1 932	7 411	9 031	11 495	14 233	10 845	9 548	18 127
Payroll, all employees	2 045 952	(S)	(S)	22 653	105 326	157 732	230 478	340 958	291 513	275 685	611 409
Dollar value of business done	10 715 384	(S)	(S)	91 943	412 723	605 143	873 910	1 448 602	1 304 884	1 270 748	4 673 224
Value of construction work	10 554 643	(S)	(S)	90 747	406 967	597 139	862 171	1 426 320	1 286 273	1 244 322	4 606 897
Net value of construction work†	7 414 061	(S)	(S)	83 130	360 969	526 518	742 805	1 119 435	987 327	893 805	2 669 063
Value added††	4 323 209	(S)	(S)	51 822	215 626	308 257	441 269	634 107	565 417	517 298	1 569 992
Cost of materials, components, supplies, and fuels	3 251 593	(S)	(S)	32 503	151 098	226 265	313 275	507 611	440 521	402 934	1 165 398
Cost of construction work subcontracted out to others	3 140 582	(S)	(S)	(S)	45 998	70 621	119 366	306 884	298 946	350 517	1 937 834
Rental cost for machinery, equipment, and buildings	164 655	(S)	(S)	1 161	5 888	9 310	17 876	26 973	29 368	23 862	49 688
Capital expenditures, other than land	188 740	(S)	(S)	2 537	11 505	15 159	22 640	30 998	23 935	28 167	52 898
End-of-year gross book value of depreciable assets	1 232 264	(S)	(S)	18 066	73 801	105 481	161 338	179 344	146 923	189 010	349 909
1987											
All employees**	79 961	(S)	(S)	(S)	7 781	8 782	9 181	13 911	9 240	9 687	16 972
Value of construction work	8 276 694	(S)	(S)	(S)	366 845	498 528	660 533	1 181 723	971 986	954 230	3 504 426
Value added††	3 506 543	(S)	(S)	(S)	211 969	265 901	340 895	565 550	423 227	380 059	1 240 547
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	1	(S)	(S)	8	5	6	5	4	3	2	(Z)
Net value of construction work†	1	(S)	(S)	6	5	5	5	4	4	3	(Z)
Capital expenditures, other than land	4	(S)	(S)	22	14	24	16	15	6	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.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:37:34 EPCV23 TLP:J_EV_AREATAB.TLP;4 3/ 25/ 96 13:36:25 DATA:J_EV_T1_08.TXT;2 3/ 25/ 96 13:32:28 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 6
TSF:TIPS92-13365724.DAT;1 3/ 25/ 96 13:37:00 UTF:TIPS93-13365724.DAT;1 3/ 25/ 96 13:37:00 META:TIPS96-13365724.DAT;1 3/ 25/ 96 13:37:25

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

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

Type of construction	Value of construction work				Relative standard error of estimate (percent) for column—			
	Total	New construction	Additions, alterations, or reconstruction	Maintenance and repair				
	A	B	C	D	A	B	C	D
1992								
Value of construction work	**10 554 643**	**7 343 435**	**2 084 239**	**797 522**	**1**	**1**	**2**	**2**
Building construction	7 961 139	5 787 543	1 631 930	541 666	1	1	2	3
Single-family houses	3 050 335	2 535 989	336 129	178 218	3	3	5	5
Single-family houses, detached	2 775 243	2 320 817	308 198	146 227	3	3	5	6
Single-family houses, attached, including townhouses and townhouse-type condominiums	275 093	215 171	27 931	31 991	4	5	10	9
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	184 180	97 064	41 904	45 212	5	7	10	8
Other residential buildings, including hotels, motels, and tourist cabins	235 881	179 834	42 881	13 165	3	4	6	10
Hotels, motels, and tourist cabins	161 424	130 722	21 615	9 087	3	3	11	10
Other residential buildings	74 457	49 112	21 266	4 078	9	13	5	25
Office buildings	786 964	375 271	325 421	86 272	3	2	5	6
Other commercial buildings such as stores, restaurants, and automobile service stations	1 045 249	729 880	233 841	81 528	3	4	5	7
Industrial buildings and warehouses	793 331	535 456	187 241	70 635	2	2	4	9
Industrial buildings	684 177	472 086	161 191	50 900	2	2	4	7
Warehouses	109 155	63 371	26 049	19 735	6	7	9	19
Religious buildings	86 454	43 790	32 590	10 073	8	4	20	8
Educational buildings	479 563	296 190	160 614	22 759	7	9	10	6
Hospitals and institutional buildings	970 390	733 659	215 785	20 946	1	(Z)	5	7
Amusement, social, and recreational buildings, indoors	86 920	52 630	29 140	5 150	15	23	7	13
Other nonresidential buildings	241 871	207 780	26 383	7 709	6	7	7	20
Nonbuilding construction	2 264 058	1 555 893	452 309	255 856	1	2	2	4
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	720 294	362 564	244 955	112 776	3	6	2	7
Airport runways and related work	138 422	129 095	7 111	(S)	1	1	5	(S)
Private driveways and parking areas	59 430	32 379	13 805	13 246	16	15	36	25
Bridges, tunnels, and elevated highways	141 349	133 503	5 677	2 169	1	1	2	6
Conservation and development construction	93 115	62 084	9 214	21 817	9	12	26	10
Power and communication transmission lines, towers, and related facilities	190 252	123 061	48 554	18 638	4	5	3	7
Sewers, water mains, and related facilities	275 670	196 678	53 923	25 068	5	7	6	11
Sewers, sewer lines, septic systems, and related facilities	135 097	93 155	31 142	10 801	7	9	9	20
Water mains and related facilities	140 572	103 524	22 781	14 267	7	9	7	11
Pipeline construction other than sewer or water lines	118 850	85 559	17 199	16 092	6	6	5	11
Blast furnaces, petroleum refineries, chemical complexes, etc.	97 223	70 946	12 929	13 348	1	(Z)	1	9
Power plants	132 118	115 093	12 406	4 619	2	1	7	16
Sewage treatment and water treatment plants	135 678	122 779	10 105	2 794	3	3	3	22
Sewage treatment plants	68 507	58 310	8 195	2 002	6	6	1	30
Water treatment plants	67 171	64 469	1 910	792	1	1	14	13
Other nonbuilding construction	161 657	122 151	16 431	23 074	6	5	10	21
Construction work, n.s.k.	329 447	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)
1987								
Value of construction work	**8 276 694**	**5 972 143**	**1 406 918**	**630 761**	**1**	**1**	**2**	**2**
Building construction	6 189 324	4 758 833	1 000 673	424 597	1	2	3	3
Single-family houses	1 998 073	1 659 546	207 244	131 282	3	3	6	6
Single-family houses, detached	1 753 432	1 449 957	190 111	113 364	3	3	7	7
Single-family houses, attached, including townhouses and townhouse-type condominiums	244 641	209 589	17 133	17 918	6	7	7	5
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	258 896	209 633	23 464	25 798	4	5	16	6
Other residential buildings, including hotels, motels, and tourist cabins	244 604	179 932	42 928	21 742	5	4	17	13
Hotels, motels, and tourist cabins	157 796	131 434	18 397	7 964	4	4	21	9
Other residential buildings	86 808	48 498	24 531	13 778	10	8	25	19
Office buildings	1 251 239	965 903	214 568	70 767	1	1	4	3
Other commercial buildings such as stores, restaurants, and automobile service stations	780 967	528 353	176 015	76 598	7	10	5	7
Industrial buildings and warehouses	493 110	341 305	108 373	43 432	2	2	3	6
Industrial buildings	366 563	247 867	85 410	33 286	2	2	3	8
Warehouses	126 547	93 438	22 963	10 146	3	3	9	7
Religious buildings	87 616	57 046	23 880	6 689	7	8	15	10
Educational buildings	286 287	196 605	71 715	17 966	3	4	6	8
Hospitals and institutional buildings	671 901	544 648	103 079	24 173	1	1	6	8
Amusement, social, and recreational buildings, indoors	43 650	30 547	9 799	3 302	12	11	22	7
Other nonresidential buildings	72 976	46 865	19 602	6 507	(NA)	(NA)	(NA)	(NA)
Nonbuilding construction	1 820 494	1 211 753	406 245	202 495	1	1	1	6
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	665 114	314 849	257 453	92 811	2	2	1	11
Private driveways and parking areas	25 131	13 559	5 391	6 180	15	17	9	32
Bridges, tunnels, and elevated highways	122 090	106 168	13 139	2 783	2	1	4	19
Conservation and development construction	46 356	34 674	6 881	4 800	7	7	17	35
Power and communication transmission lines, towers, and related facilities	167 487	99 661	51 488	16 337	3	3	2	7
Sewers, water mains, and related facilities	252 644	215 993	24 661	11 990	4	4	12	12
Sewers, sewer lines, septic systems, and related facilities	121 993	102 283	13 573	6 136	7	8	16	16
Water mains and related facilities	130 651	113 709	11 087	5 853	4	4	14	13
Pipeline construction other than sewer or water lines	64 785	56 965	3 715	4 104	6	6	24	6
Blast furnaces, petroleum refineries, chemical complexes, etc.	89 440	73 780	5 437	10 222	3	(Z)	2	23
Power plants	45 944	40 043	1 219	4 681	4	1	11	35
Sewage treatment and water treatment plants	74 304	61 079	8 548	4 676	5	5	24	10
Sewage treatment plants	29 499	20 235	5 263	3 999	6	7	12	11
Water treatment plants	44 805	40 844	*3 284	676	6	5	45	14
Other nonbuilding construction	267 199	194 981	28 313	43 910	(NA)	(NA)	(NA)	(NA)
Construction work, n.s.k.	266 862	(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.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:37:34 EPCV23 TLP:J_EV_AREATAB.TLP;4 3/ 25/ 96 13:36:25 DATA:J_EV_T1_08.TXT;2 3/ 25/ 96 13:32:28 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 7
TSF:TIPS92-13365724.DAT;1 3/ 25/ 96 13:37:00 UTF:TIPS93-13365724.DAT;1 3/ 25/ 96 13:37:00 META:TIPS96-13365724.DAT;1 3/ 25/ 96 13:37:25

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
15, 16, 17	**Construction industries**	**9 704**	**65 441**	**57 258**	**65 986**	**71 489**	**67 028**	**1**	**1**	**1**	**1**	**1**	**1**
15	**Building construction—General contractors and operative builders:**												
152	General contractors, residential buildings:												
1521	Single-family houses	1 651	4 793	4 136	4 772	5 318	4 944	3	4	5	4	5	5
1522	Other residential buildings	85	494	444	463	549	519	21	14	15	13	13	15
1531	Operative builders	251	490	412	494	525	531	11	13	13	13	12	13
154	General contractors, nonresidential buildings:												
1541	Industrial buildings and warehouses	99	584	592	504	565	675	16	6	7	6	6	6
1542	Nonresidential buildings, n.e.c.	520	6 479	6 032	6 150	6 981	6 754	7	3	3	3	3	4
16	**Heavy construction other than building construction—contractors:**												
1611	Highway and street construction	143	3 767	2 482	4 240	4 739	3 605	11	3	3	4	4	4
162	Heavy construction, except highway:												
1622	Bridge, tunnel, and elevated highway construction	10	291	237	295	341	290	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
1623	Water, sewer, and utility lines	212	3 145	2 335	3 182	3 576	3 489	10	4	4	4	5	5
1629	Heavy construction, n.e.c.	332	4 627	4 487	4 879	4 547	4 597	9	3	3	3	4	3
17	**Special trade contractors:**												
1711	Plumbing, heating, and air-conditioning	1 232	7 457	6 797	7 487	7 851	7 695	3	3	2	3	3	3
1721	Painting and paper hanging	647	2 657	2 119	2 856	3 174	2 479	4	5	5	5	6	5
1731	Electrical work	898	7 332	6 635	7 027	7 808	7 856	3	2	3	2	3	3
174	Masonry, stonework, tile setting, and plastering:												
1741	Masonry, stone setting, and other stonework	306	2 165	1 910	2 109	2 428	2 213	5	5	6	5	7	5
1742	Plastering, drywall, and insulation work	345	3 657	3 564	3 686	3 964	3 413	6	5	4	7	5	5
1743	Terrazzo, tile, marble, and mosaic work	75	327	296	304	365	343	22	12	11	11	15	12
175	Carpentry and floor work:												
1751	Carpentry	730	2 749	2 518	2 698	2 993	2 787	5	6	7	6	6	7
1752	Floor laying and other floor work	182	844	817	788	900	870	6	6	6	6	8	7
1761	Roofing, siding, and sheet metal work	444	3 232	2 932	3 152	3 375	3 468	5	5	4	4	6	6
1771	Concrete work	618	4 481	3 474	4 659	5 211	4 580	5	5	5	5	5	6
1781	Water well drilling	57	212	203	206	233	207	10	9	10	9	9	9
179	Miscellaneous special trade contractors:												
1791	Structural steel erection	69	1 087	980	1 218	1 147	1 002	17	18	16	22	18	17
1793	Glass and glazing work	71	451	419	431	430	524	9	7	6	8	8	7
1794	Excavation work	304	1 298	1 076	1 347	1 409	1 361	10	11	11	11	11	12
1795	Wrecking and demolition work	5	47	44	38	53	52	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
1796	Installing building equipment, n.e.c.	45	607	505	501	645	777	17	1	3	1	1	1
1799	Special trade contractors, n.e.c.	372	2 168	1 812	2 501	2 363	1 996	9	8	8	9	8	8

[1]Construction workers during pay periods including 12th of March, May, August, and November.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:37:34 EPCV23 TLP:J_EV_AREATAB.TLP;4 3/ 25/ 96 13:36:25 DATA:J_EV_T1_08.TXT;2 3/ 25/ 96 13:32:28 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 8
TSF:TIPS92-13365724.DAT;1 3/ 25/ 96 13:37:00 UTF:TIPS93-13365724.DAT;1 3/ 25/ 96 13:37:00 META:TIPS96-13365724.DAT;1 3/ 25/ 96 13:37:25

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 subcontracted out to others	Value of construction work subcontracted in from others	Rental cost for machinery, equipment, and buildings
15, 16, 17	**Construction industries**	**8.6**	**24.4**	**161.3**	**.194**	**.308**	**.298**	**.288**	**.016**
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	4.1	18.3	171.1	.150	.317	.362	.042	.014
1522	Other residential buildings	8.6	24.0	195.0	.182	.237	.498	*.033	.007
1531	Operative builders	6.7	31.6	2 325.5	.047	.243	.455	.001	.002
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	8.7	29.0	235.0	.182	.229	.506	.076	.017
1542	Nonresidential buildings, n.e.c.	17.4	30.0	411.7	.102	.202	.576	.020	.007
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	33.1	29.6	199.3	.187	.323	.213	.145	.040
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	35.8	32.4	252.9	.158	(D)	.366	.173	.013
1623	Water, sewer, and utility lines	17.8	26.1	127.7	.245	.302	.138	.173	.049
1629	Heavy construction, n.e.c.	16.8	28.4	145.1	.236	.358	.188	.183	.025
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	8.1	26.0	122.1	.284	.417	.112	.666	.017
1721	Painting and paper hanging	4.7	16.7	54.0	.355	.309	.072	.618	.010
1731	Electrical work	10.2	26.0	98.5	.330	.422	.034	.646	.013
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	8.1	20.5	67.4	.348	.372	.023	(S)	.024
1742	Plastering, drywall, and insulation work	12.3	20.9	65.1	.371	.356	.051	.962	.012
1743	Terrazzo, tile, marble, and mosaic work	5.5	24.5	110.9	.279	.491	*.088	.530	.007
175	Carpentry and floor work:								
1751	Carpentry	4.4	18.8	90.8	.243	.338	.208	.757	.010
1752	Floor laying and other floor work	5.9	22.3	119.0	.240	.386	*.163	.867	.014
1761	Roofing, siding, and sheet metal work	9.0	20.6	100.4	.254	.457	.066	.663	.008
1771	Concrete work	8.5	20.1	83.6	.279	.411	.063	.572	.013
1781	Water well drilling	5.1	21.7	117.2	.252	.433	.014	(D)	.012
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	18.8	28.0	103.7	.324	.283	.138	.721	.025
1793	Glass and glazing work	8.8	25.0	104.2	.333	.583	.016	.732	.027
1794	Excavation work	5.2	22.7	95.8	.288	.250	.076	.787	.043
1795	Wrecking and demolition work	12.6	21.6	140.8	.205	(D)	.057	(D)	.119
1796	Installing building equipment, n.e.c.	17.3	29.7	91.6	.415	.316	.011	.373	.019
1799	Special trade contractors, n.e.c.	7.6	20.5	83.1	.321	.347	.050	.598	.036

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:37:34 EPCV23 TLP:J_EV_AREATAB.TLP;4 3/ 25/ 96 13:36:25 DATA:J_EV_T1_08.TXT;2 3/ 25/ 96 13:32:28 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 9
TSF:TIPS92-13365724.DAT;1 3/ 25/ 96 13:37:00 UTF:TIPS93-13365724.DAT;1 3/ 25/ 96 13:37:00 META:TIPS96-13365724.DAT;1 3/ 25/ 96 13:37:25

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	C	D	E	F	G	H	I	B	E
	DENVER–BOULDER–GREELEY, CO CMSA											
15,16, 17	**Construction industries**	**5 285**	**51 513**	**1 322 039**	**7 207 403**	**4 878 447**	**2 814 076**	**2 145 095**	**2 328 955**	**108 587**	**1**	**1**
15	**Building construction—General contractors and operative builders:**											
152	General contractors, residential buildings:											
1521	Single-family houses	(S)	2 940	52 435	338 701	225 892	113 199	118 241	112 809	3 782	6	9
1522	Other residential buildings	46	506	12 244	69 647	33 099	18 348	16 483	36 548	903	16	16
1531	Operative builders	138	1 175	41 038	917 402	496 191	318 821	195 170	421 211	3 643	6	5
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	70	591	19 774	113 604	(D)	27 054	26 191	(D)	1 108	9	(D)
1542	Nonresidential buildings, n.e.c.	338	6 415	205 468	2 128 555	916 754	503 819	417 012	1 211 801	20 958	3	1
16	**Heavy construction other than building construction—contractors:**											
1611	Highway and street construction	56	2 454	77 621	467 406	353 224	209 921	154 757	114 182	15 146	2	2
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	7	264	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(Z)	(D)
1623	Water, sewer, and utility lines	98	2 135	58 813	244 682	(D)	137 258	71 917	(D)	10 096	5	(D)
1629	Heavy construction, n.e.c.	108	1 605	44 387	248 352	171 846	85 292	91 521	76 506	3 621	5	4
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	712	6 057	164 687	582 801	509 222	281 682	239 024	73 579	7 528	3	3
1721	Painting and paper hanging	369	2 016	37 482	100 892	93 403	63 559	29 924	7 489	2 634	5	5
1731	Electrical work	490	6 555	180 048	540 601	520 636	293 888	229 941	19 965	6 449	3	2
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work	163	1 486	29 423	86 075	83 626	53 610	30 101	2 449	3 941	7	8
1742	Plastering, drywall, and insulation work	203	2 834	57 464	152 402	143 280	91 092	52 465	9 121	1 948	6	5
1743	Terrazzo, tile, marble, and mosaic work	58	381	9 589	(D)	(D)	14 284	16 091	(D)	(D)	14	(D)
175	Carpentry and floor work:											
1751	Carpentry	401	1 920	38 274	173 328	126 597	68 214	60 163	46 731	2 125	7	11
1752	Floor laying and other floor work	119	891	20 975	87 501	71 581	40 475	32 631	*15 920	(S)	7	10
1761	Roofing, siding, and sheet metal work	296	2 901	65 164	243 847	228 917	114 063	115 003	14 929	2 583	4	4
1771	Concrete work	338	3 402	71 238	251 357	233 119	130 373	105 860	18 237	4 525	6	7
1781	Water well drilling	18	135	(D)	(D)	(D)	(D)	(D)	(D)	(D)	21	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	29	742	23 098	58 674	53 564	37 688	17 263	5 110	*767	28	24
1793	Glass and glazing work	48	491	12 389	(D)	(D)	17 899	22 217	(D)	757	9	(D)
1794	Excavation work	129	804	20 342	64 148	58 245	46 019	12 828	5 903	5 519	13	10
1795	Wrecking and demolition work	5	63	1 359	6 618	6 238	4 655	(D)	380	213	(Z)	(Z)
1796	Installing building equipment, n.e.c.	30	673	21 981	52 177	(D)	35 386	16 431	(D)	(D)	(Z)	(D)
1799	Special trade contractors, n.e.c.	252	2 078	44 484	136 987	129 769	84 257	47 633	7 219	7 439	7	8
	Boulder–Longmont, CO PMSA											
15,16, 17	**Construction industries**	**723**	**4 956**	**111 408**	**576 070**	**417 652**	**232 750**	**196 786**	**158 418**	**10 540**	**3**	**6**
15	**Building construction—General contractors and operative builders:**											
152	General contractors, residential buildings:											
1521	Single-family houses	178	624	10 078	(D)	(D)	(D)	(D)	24 457	961	10	(D)
1522	Other residential buildings	*15	103	2 906	19 351	(D)	4 962	5 297	(D)	(D)	29	(D)
1531	Operative builders	28	163	7 093	(D)	(D)	*30 539	34 823	(D)	*1 470	17	(D)
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	(S)	(D)	(S)	(S)	(S)	(D)	(S)	(S)	(D)	(D)	(S)
1542	Nonresidential buildings, n.e.c.	66	(D)	(D)	(D)	(D)	20 741	(D)	(D)	(D)	(D)	(D)
16	**Heavy construction other than building construction—contractors:**											
1611	Highway and street construction	7	183	3 786	23 091	(D)	11 936	(D)	(D)	(D)	(Z)	(D)
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	–	–	–	–	–	–	–	–	–	–	–
1623	Water, sewer, and utility lines	8	195	(D)	18 830	17 702	11 517	6 442	1 128	335	(Z)	(Z)
1629	Heavy construction, n.e.c.	13	(D)	5 092	27 235	23 704	12 939	10 843	(S)	(D)	(D)	14

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:37:34 EPCV23 TLP:J_EV_AREATAB.TLP;4 3/ 25/ 96 13:36:25 DATA:J_EV_T1_08.TXT;2 3/ 25/ 96 13:32:28 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 10
TSF:TIPS92-13365724.DAT;1 3/ 25/ 96 13:37:00 UTF:TIPS93-13365724.DAT;1 3/ 25/ 96 13:37:00 META:TIPS96-13365724.DAT;1 3/ 25/ 96 13:37:25

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	C	D	E	F	G	H	I	B	E
	DENVER–BOULDER–GREELEY, CO CMSA—Con.											
	Boulder–Longmont, CO PMSA—Con.											
15,16, 17	**Construction industries**—Con.											
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	84	675	16 426	(D)	(D)	24 885	(D)	5 818	806	9	(D)
1721	Painting and paper hanging	46	255	4 004	12 660	12 099	8 786	3 324	*562	(D)	11	9
1731	Electrical work	64	595	14 035	38 551	37 314	23 038	14 367	1 238	(S)	8	6
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work	(S)	135	2 673	8 123	(D)	4 940	2 601	(D)	(D)	31	(D)
1742	Plastering, drywall, and insulation work	19	85	1 573	(D)	(D)	2 329	2 109	(D)	44	6	(D)
1743	Terrazzo, tile, marble, and mosaic work	(S)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	–	(D)	(D)
175	Carpentry and floor work:											
1751	Carpentry	(S)	235	(D)	9 586	(D)	5 161	3 087	(D)	(D)	9	(D)
1752	Floor laying and other floor work	16	86	(D)	6 068	(D)	3 104	2 557	(D)	75	6	(D)
1761	Roofing, siding, and sheet metal work	25	411	8 944	33 566	(D)	17 118	15 327	(D)	802	12	(D)
1771	Concrete work	29	140	3 070	12 424	11 945	7 202	4 761	*479	*292	35	26
1781	Water well drilling	3	(D)	(D)	(D)	(D)	930	(D)	(D)	(D)	(D)	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	–	–	–	–	–	–	–	–	–	–	–
1793	Glass and glazing work	2	(D)	(D)	(D)	(D)	(D)	(D)	–	(D)	(D)	(D)
1794	Excavation work	15	81	1 651	7 045	(D)	4 362	*2 236	(D)	(D)	30	(D)
1795	Wrecking and demolition work	–	–	–	–	–	–	–	–	–	–	–
1796	Installing building equipment, n.e.c.	–	–	–	–	–	–	–	–	–	–	–
1799	Special trade contractors, n.e.c.	33	287	4 640	10 730	(D)	8 760	2 567	(D)	(D)	13	(D)
	Denver, CO PMSA											
15,16, 17	**Construction industries**	**4 285**	**42 844**	**1 104 777**	**5 624 658**	**3 848 563**	**2 221 228**	**1 693 715**	**1 776 095**	**89 801**	**1**	**1**
15	**Building construction—General contractors and operative builders:**											
152	General contractors, residential buildings:											
1521	Single-family houses	(S)	2 253	41 066	(D)	(D)	(D)	(D)	86 649	2 254	7	(D)
1522	Other residential buildings	31	402	9 338	50 296	(D)	13 386	(S)	(D)	(D)	18	(D)
1531	Operative builders	106	1 002	33 220	(D)	(D)	288 308	154 117	(D)	2 173	6	(D)
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	62	575	19 262	(D)	(D)	25 902	21 752	(D)	(D)	9	(D)
1542	Nonresidential buildings, n.e.c.	262	4 187	129 954	1 225 089	425 241	(D)	218 653	799 848	18 797	4	3
16	**Heavy construction other than building construction—contractors:**											
1611	Highway and street construction	43	1 985	64 882	388 374	(D)	177 992	130 181	(D)	12 775	3	(D)
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	7	264	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(Z)	(D)
1623	Water, sewer, and utility lines	76	1 781	49 242	209 051	173 891	116 317	59 101	35 160	7 255	6	4
1629	Heavy construction, n.e.c.	91	1 278	36 598	(D)	(D)	(D)	78 817	(D)	2 023	6	(D)
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	588	5 186	144 535	514 272	446 919	250 829	207 391	67 352	6 603	3	3
1721	Painting and paper hanging	301	1 711	32 871	86 716	79 824	53 782	26 110	*6 892	2 292	6	6
1731	Electrical work	405	5 896	165 060	497 014	478 329	268 492	212 937	18 685	5 417	3	2
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work	123	1 173	24 204	70 447	68 619	(D)	25 481	1 828	3 701	7	8
1742	Plastering, drywall, and insulation work	167	2 644	54 204	141 697	133 217	85 000	48 493	8 480	1 612	6	6
1743	Terrazzo, tile, marble, and mosaic work	55	(D)	(D)	30 352	(D)	(D)	(D)	(D)	*113	(D)	(D)
175	Carpentry and floor work:											
1751	Carpentry	352	1 671	34 543	(D)	(D)	(D)	(D)	45 297	1 950	8	(D)
1752	Floor laying and other floor work	96	780	18 507	(D)	(D)	(D)	29 265	*15 328	(S)	8	(D)
1761	Roofing, siding, and sheet metal work	(S)	2 209	48 861	(D)	(D)	(D)	91 645	13 122	1 438	5	(D)

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:37:34 EPCV23 TLP:J_EV_AREATAB.TLP;4 3/ 25/ 96 13:36:25 DATA:J_EV_T1_08.TXT;2 3/ 25/ 96 13:32:28 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 11
TSF:TIPS92-13365724.DAT;1 3/ 25/ 96 13:37:00 UTF:TIPS93-13365724.DAT;1 3/ 25/ 96 13:37:00 META:TIPS96-13365724.DAT;1 3/ 25/ 96 13:37:25

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— B	E
		A	B	C	D	E	F	G	H	I		
	DENVER–BOULDER–GREELEY, CO CMSA—Con.											
	Denver, CO PMSA—Con.											
15,16, 17	**Construction industries**—Con.											
17	**Special trade contractors**—Con.											
1771	Concrete work	278	3 020	63 333	219 577	203 782	113 686	93 176	15 795	3 715	6	7
1781	Water well drilling	*12	101	2 942	10 736	10 559	7 156	3 403	177	(D)	27	21
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	28	(D)	(D)	(D)	(D)	(D)	(D)	5 110	(D)	(D)	(D)
1793	Glass and glazing work	45	473	(D)	35 853	(D)	17 124	(D)	(D)	(D)	10	(D)
1794	Excavation work	109	682	17 728	54 491	49 077	39 730	9 927	5 414	5 162	14	11
1795	Wrecking and demolition work	5	63	1 359	6 618	6 238	4 655	(D)	380	213	(Z)	(Z)
1796	Installing building equipment, n.e.c.	30	673	21 981	52 177	(D)	35 386	16 431	(D)	(D)	(Z)	(D)
1799	Special trade contractors, n.e.c.	191	1 736	38 596	122 097	115 205	73 511	(D)	6 893	(D)	9	9
	Greeley, CO PMSA											
15,16, 17	**Construction industries**	**276**	**3 714**	**105 854**	**1 006 674**	**612 232**	**360 099**	**254 594**	**394 442**	**8 247**	**4**	**2**
15	**Building construction—General contractors and operative builders:**											
152	General contractors, residential buildings:											
1521	Single-family houses	(S)	63	1 290	(D)	(D)	2 589	(D)	(S)	*567	25	(D)
1522	Other residential buildings	–	–	–	–	–	–	–	–	–	–	–
1531	Operative builders	(S)	(S)	(S)	(D)	(D)	(S)	(S)	(D)	–	(S)	(D)
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	(S)	(D)	(S)	(D)	(D)	(D)	(S)	(D)	–	(D)	(D)
1542	Nonresidential buildings, n.e.c.	*10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
16	**Heavy construction other than building construction—contractors:**											
1611	Highway and street construction	6	286	8 953	55 940	(D)	19 993	(D)	(D)	(D)	9	(D)
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	–	–	–	–	–	–	–	–	–	–	–
1623	Water, sewer, and utility lines	(S)	158	(D)	16 800	(D)	9 425	6 374	(D)	2 506	24	(D)
1629	Heavy construction, n.e.c.	4	(D)	2 697	(D)	(D)	(D)	1 861	(D)	(D)	(D)	(D)
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	40	196	3 726	(D)	(D)	5 967	(D)	*409	119	35	(D)
1721	Painting and paper hanging	*23	*51	*607	*1 516	*1 481	*991	*489	*36	(D)	57	48
1731	Electrical work	*21	*65	953	*5 036	*4 993	*2 358	*2 637	(S)	226	41	45
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work	*16	178	2 547	7 505	(D)	(D)	2 019	(D)	(D)	23	(D)
1742	Plastering, drywall, and insulation work	*17	*105	*1 687	(D)	(D)	*3 763	*1 863	(D)	*292	46	(D)
1743	Terrazzo, tile, marble, and mosaic work	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
175	Carpentry and floor work:											
1751	Carpentry	(S)	(S)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(S)	(D)
1752	Floor laying and other floor work	(S)	26	(D)	(D)	(D)	(D)	809	(D)	(S)	(Z)	(D)
1761	Roofing, siding, and sheet metal work	*6	280	7 358	(D)	(D)	(D)	8 032	(D)	343	16	(D)
1771	Concrete work	31	242	4 835	19 356	17 392	9 485	7 923	1 963	*519	29	30
1781	Water well drilling	(S)	(D)	(S)	(S)	(S)	(D)	(S)	(S)	(S)	(D)	(S)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	(S)	(D)	(D)	(D)	(D)	(D)	(D)	–	(D)	(D)	(D)
1793	Glass and glazing work	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	–	(D)	(D)
1794	Excavation work	*6	*42	*963	*2 612	(D)	*1 926	*664	(D)	(D)	70	(D)
1795	Wrecking and demolition work	–	–	–	–	–	–	–	–	–	–	–
1796	Installing building equipment, n.e.c.	–	–	–	–	–	–	–	–	–	–	–
1799	Special trade contractors, n.e.c.	*28	55	1 248	4 160	(D)	1 985	(D)	(D)	(S)	30	(D)

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:37:34 EPCV23 TLP:J_EV_AREATAB.TLP;4 3/ 25/ 96 13:36:25 DATA:J_EV_T1_08.TXT;2 3/ 25/ 96 13:32:28 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 12
TSF:TIPS92-13365724.DAT;1 3/ 25/ 96 13:37:00 UTF:TIPS93-13365724.DAT;1 3/ 25/ 96 13:37:00 META:TIPS96-13365724.DAT;1 3/ 25/ 96 13:37:25

Contents
Idaho

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

Page

Summary of Findings 2

FIGURES

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

TABLES

Statistics for Establishments With and Without Payroll

1. Summary Statistics by Industry: 1992 and 1987 5

Statistics for Establishments With Payroll

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

-- Not applicable for this report.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:39:45 EPCV23 TLP:J_EV_FINAL.TLP;3 3/ 25/ 96 13:39:28 DATA:J_EV_T1_16.TXT;2 3/ 25/ 96 13:32:40 UPF:CON_CENPROD:[CEN.DATA]J_EV_A PAGE: 1
TSF:TIPS92-13392949.DAT;1 3/ 25/ 96 13:39:32 UTF:TIPS93-13392949.DAT;1 3/ 25/ 96 13:39:32 META:TIPS96-13392949.DAT;1 3/ 25/ 96 13:39:43

Summary of Findings

This report provides results from the 1992 Census of Construction Industries for Idaho. 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 11,616 establishments in this State operating in the construction industries. These establishments accounted for $2.6 billion in total dollar value of business done.

Most of the 11,616 construction establishments were small. Of the total, 8,075 were nonemployers, and over half of the employer establishments had less than 5 employees. The 1,143 construction establishments with 5 employees or more, while representing only 10 percent of all establishments, accounted for more than 72 percent of the total dollar value of business done.

ESTABLISHMENTS WITH PAYROLL

During 1992, the establishments with paid employees accounted for $2.4 billion in total dollar value of business done. Of this amount, $2.3 billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to $552 million, leaving net value of construction work of $1.7 billion. In addition, these establishments paid out $880 million for the cost of materials, fuels, power, rental of equipment and buildings, and the cost of selected purchased services. Value added for 1992 was $1.0 billion. (See Introduction and appendixes for explanation of terms.)

There were 3,541 establishments with total employment averaging 22,217 during the year. Total payroll for 1992 was $479 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 8,075 establishments with no payroll classified as construction. According to administrative records of the Federal Government, their dollar value of business done during 1992 was $269 million. Most of these establishments, about 80 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.

[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.

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

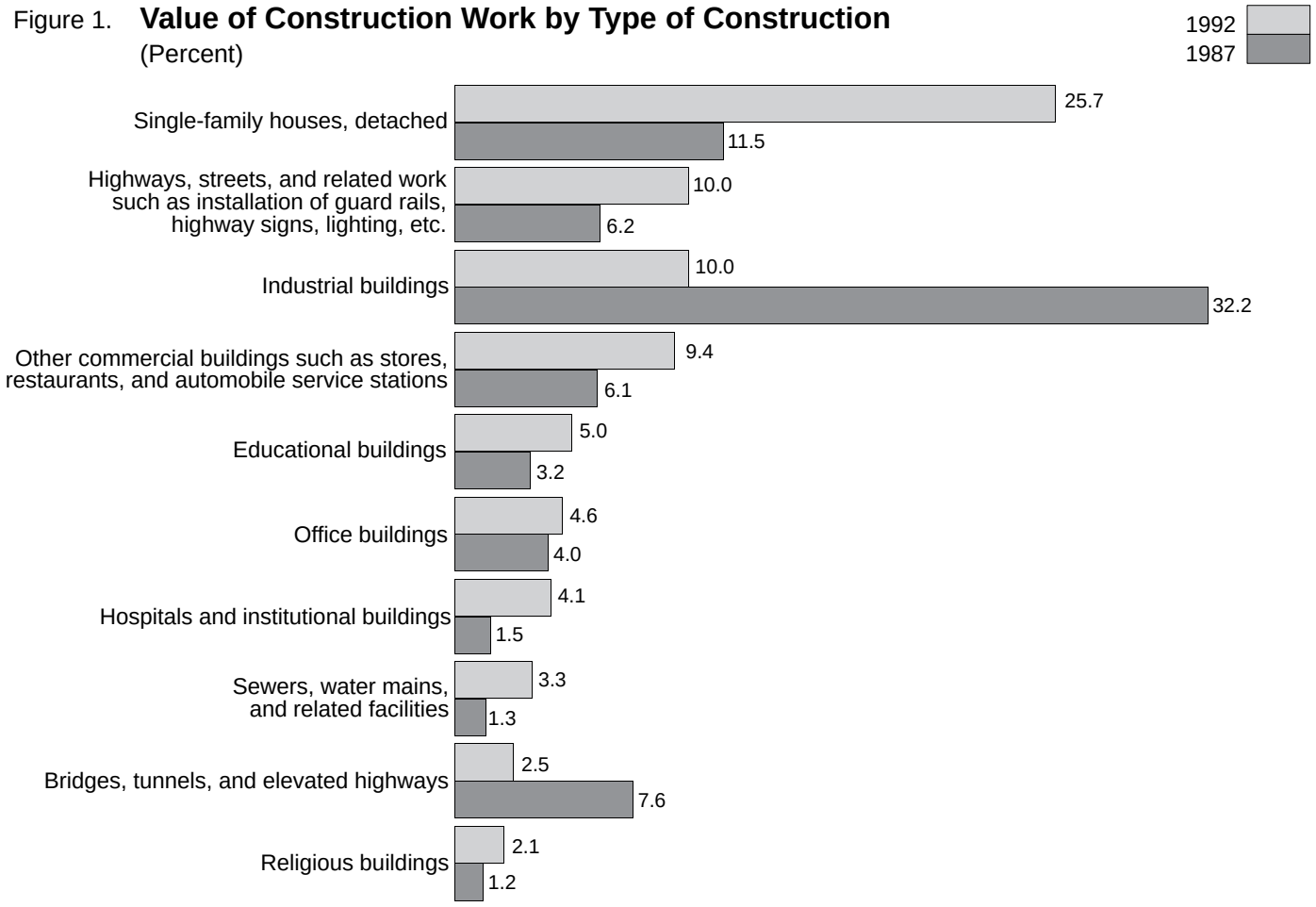


Figure 2. **Selected Costs per Dollar Value of Business Done**
(Percent)

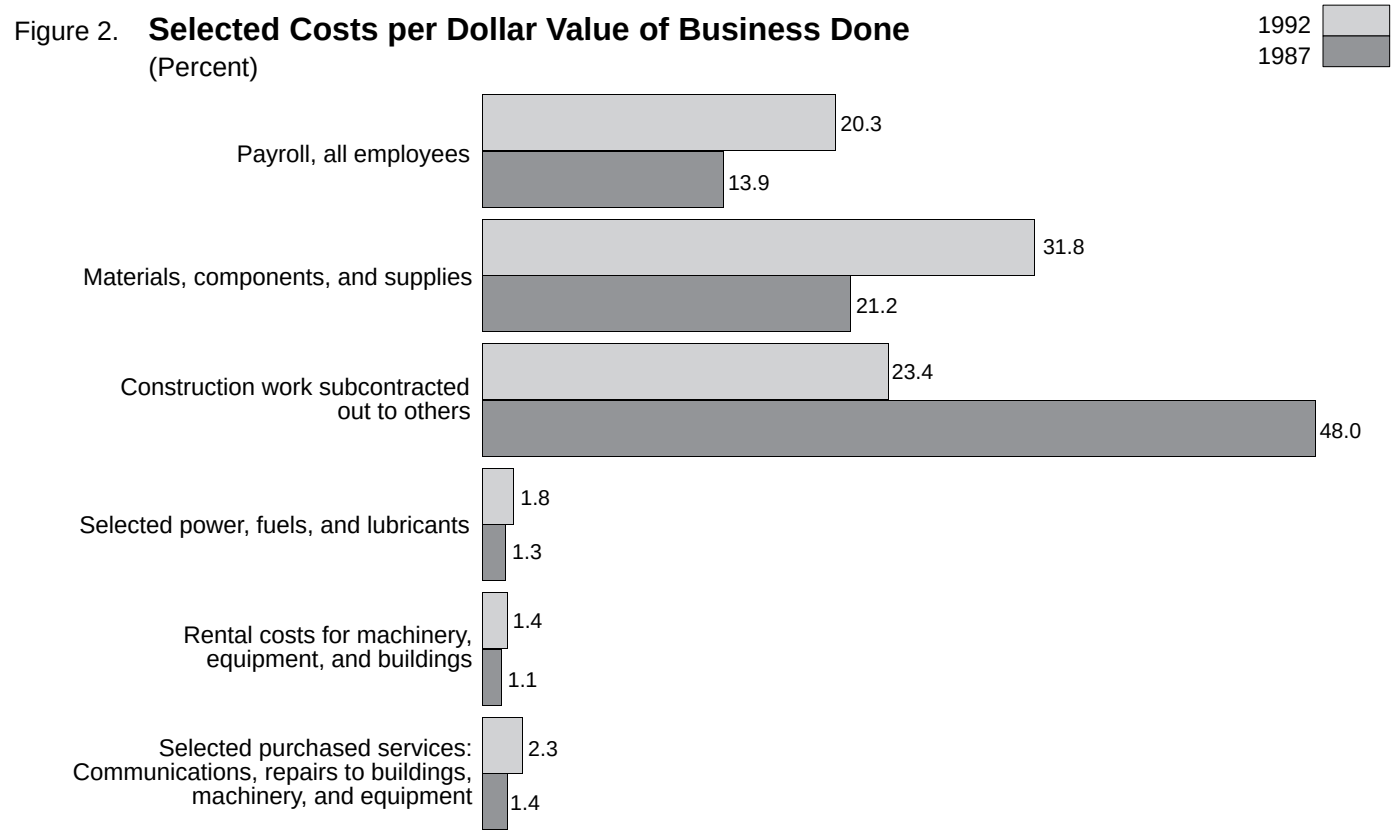


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1992 and 1987

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

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done[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	K
	1992													
15, 16, 17	**Construction industries**	**11 616**	**10 351**	**22 217**	**2 626 760**	**8 075**	**8 152**	**268 534**	**3 541**	**2 199**	**22 217**	**2 358 226**	**2**	**2**
15	**Building construction—General contractors and operative builders**	**2 532**	**2 058**	**6 168**	**1 113 692**	**1 395**	**1 399**	**114 629**	**1 137**	**659**	**6 168**	**999 063**	**4**	**3**
16	**Heavy construction other than building construction— contractors**	**465**	**307**	**4 848**	**530 286**	**190**	**185**	**5 146**	**275**	**122**	**4 848**	**525 140**	**3**	**3**
17	**Special trade contractors**	**8 619**	**7 986**	**11 202**	**982 782**	**6 490**	**6 568**	**148 759**	**2 129**	**(S)**	**11 202**	**834 023**	**3**	**3**
1711	Plumbing, heating, and air-conditioning	716	514	3 131	282 703	320	321	12 699	396	(S)	3 131	270 004	4	4
1731	Electrical work	705	591	1 635	147 114	432	437	11 981	273	154	1 635	135 133	6	5
	1987													
15, 16, 17	**Construction industries[2]**	**10 370**	**8 863**	**13 847**	**2 328 129**	**8 278**	**8 258**	**332 024**	**2 092**	**605**	**13 847**	**1 996 105**	**2**	**1**
15	**Building construction—General contractors and operative builders**	**2 334**	**1 834**	**4 727**	**1 409 886**	**1 806**	**1 741**	**121 540**	**528**	**93**	**4 727**	**1 288 346**	**3**	**2**
16	**Heavy construction other than building construction— contractors**	**417**	**282**	**2 522**	**315 383**	**208**	**212**	**14 813**	**209**	**70**	**2 522**	**300 570**	**4**	**3**
17	**Special trade contractors**	**7 369**	**6 541**	**6 527**	**575 317**	**6 047**	**6 101**	**170 193**	**1 322**	**440**	**6 527**	**405 124**	**1**	**5**
1711	Plumbing, heating, and air-conditioning	626	440	1 657	137 985	333	331	17 848	293	109	1 657	120 137	5	5
1731	Electrical work	695	530	1 116	80 972	477	477	16 213	218	53	1 116	64 759	7	10

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

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:39:19 EPCV23 TLP:J_EV_AREATAB.TLP;6 3/ 25/ 96 13:38:10 DATA:J_EV_T1_16.TXT;2 3/ 25/ 96 13:32:40 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 1
TSF:TIPS92-13384538.DAT;1 3/ 25/ 96 13:38:48 UTF:TIPS93-13384538.DAT;1 3/ 25/ 96 13:38:48 META:TIPS96-13384538.DAT;1 3/ 25/ 96 13:39:12

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							
			Employees**		Payroll				
		Number of establishments	All	Construction workers	All employees	Construction workers	Value of construction work	Net value of construction work†	Value added††
		A	B	C	D	E	F	G	H
15, 16, 17	**Construction industries**[1]	**3 541**	**22 217**	**17 252**	**479 350**	**343 681**	**2 261 464**	**1 709 621**	**1 014 179**
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	774	2 494	1 917	39 450	28 376	298 742	204 612	99 180
1522	Other residential buildings	23	122	*76	2 440	1 177	24 810	13 470	4 661
1531	Operative builders	123	291	172	7 608	3 277	(S)	(S)	(S)
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	45	596	424	15 681	10 161	102 312	53 591	30 119
1542	Nonresidential buildings, n.e.c.	172	2 664	1 928	65 113	39 395	441 583	204 610	117 666
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	76	2 016	1 651	49 216	38 248	222 451	180 937	133 212
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	4	100	81	2 877	2 252	12 181	10 544	5 796
1623	Water, sewer, and utility lines	54	795	678	21 348	16 296	69 546	62 595	44 954
1629	Heavy construction, n.e.c.	141	1 937	1 203	52 775	31 467	181 443	(D)	100 918
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	396	3 131	2 360	71 046	53 330	267 366	250 144	131 171
1721	Painting and paper hanging	191	532	466	7 879	6 631	25 904	25 238	17 543
1731	Electrical work	273	1 635	1 297	41 880	31 997	133 906	130 806	76 451
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	106	(D)	448	9 863	(D)	29 782	29 233	15 776
1742	Plastering, drywall, and insulation work	143	966	872	16 285	13 696	53 951	48 002	28 704
1743	Terrazzo, tile, marble, and mosaic work	37	*122	*110	*1 802	*1 541	7 431	7 192	3 793
175	Carpentry and floor work:								
1751	Carpentry	272	844	724	11 893	10 180	47 182	40 620	26 583
1752	Floor laying and other floor work	42	82	73	904	831	4 151	3 964	2 166
1761	Roofing, siding, and sheet metal work	165	987	811	14 901	11 721	68 548	65 184	28 735
1771	Concrete work	195	859	769	14 688	12 271	62 073	59 096	38 683
1781	Water well drilling	44	202	156	4 533	3 820	20 852	19 928	11 473
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	27	198	158	4 970	3 335	15 091	13 662	9 596
1793	Glass and glazing work	20	132	86	2 350	1 489	9 865	9 817	5 341
1794	Excavation work	83	272	233	4 574	3 756	21 956	19 349	17 330
1795	Wrecking and demolition work	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	6	115	70	(D)	1 579	(D)	9 135	(D)
1799	Special trade contractors, n.e.c.	127	(D)	(D)	(D)	8 654	41 954	39 193	24 556

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

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:39:19 EPCV23 TLP:J_EV_AREATAB.TLP;6 3/ 25/ 96 13:38:10 DATA:J_EV_T1_16.TXT;2 3/ 25/ 96 13:32:40 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 2
TSF:TIPS92-13384538.DAT;1 3/ 25/ 96 13:38:48 UTF:TIPS93-13384538.DAT;1 3/ 25/ 96 13:38:48 META:TIPS96-13384538.DAT;1 3/ 25/ 96 13:39:12

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 contruction 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	
792 204	**551 842**	**587 742**	**33 937**	**54 465**	**413 638**	**13 847**	**1 723 338**	**585 196**	**2**	**2**	**6**	**15, 16, 17**
												15
												152
114 264	94 130	10 354	1 745	2 096	13 442	1 025	91 375	32 040	8	9	26	1521
*8 869	11 340	(S)	*433	*145	415	(S)	(S)	(S)	39	35	66	1522
32 585	23 778	(S)	129	429	*8 163	*132	23 941	*5 171	19	(S)	20	1531
												154
26 607	48 721	2 753	613	530	8 392	2 238	(D)	134 661	9	10	21	1541
116 244	236 974	10 637	2 907	3 950	42 427	1 253	202 591	51 386	7	6	35	1542
												16
63 703	41 514	38 785	8 092	16 675	147 690	1 060	107 029	60 554	4	4	6	1611
												162
4 919	1 637	156	86	(D)	6 082	155	19 087	10 029	(Z)	(Z)	(D)	1622
18 534	6 952	7 816	(S)	6 370	34 090	591	35 480	22 939	10	8	25	1623
(D)	(D)	10 180	5 477	5 170	34 674	716	101 159	50 969	7	(D)	29	1629
												17
121 612	17 222	180 767	2 325	5 800	38 057	1 657	116 977	60 991	4	5	23	1711
7 695	666	16 293	348	*705	3 442	224	8 146	5 105	14	11	48	1721
55 582	3 100	97 449	2 021	3 144	12 127	1 116	61 817	35 589	6	6	20	1731
												174
13 457	550	26 716	351	(D)	4 841	247	11 543	5 612	(D)	12	(D)	1741
19 468	5 948	45 755	856	465	4 431	675	40 875	18 477	7	10	17	1742
*3 445	239	*8 643	*99	*86	593	*93	4 462	*2 962	43	39	46	1743
												175
15 633	6 562	24 333	288	748	4 277	297	16 062	8 757	10	10	21	1751
(D)	187	3 297	58	142	835	*74	5 549	*1 840	(Z)	(Z)	(Z)	1752
37 918	3 363	31 227	746	*895	*9 575	983	57 472	27 576	13	15	54	1761
(D)	(S)	25 895	(S)	1 478	11 059	385	22 063	12 178	13	14	37	1771
8 455	*924	*2 205	*640	1 095	7 369	*64	2 693	*2 362	10	15	26	1781
												179
4 781	1 428	*4 845	*843	265	4 427	153	7 877	6 195	31	28	26	1791
5 526	(S)	5 256	108	70	568	84	6 439	3 198	9	12	30	1793
3 555	*2 607	17 822	558	1 907	10 521	(S)	(D)	(S)	26	23	38	1794
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1795
(D)	(D)	5 922	(D)	116	(D)	(D)	6 135	3 167	(Z)	(Z)	(Z)	1796
14 710	*2 760	(D)	360	538	3 557	(S)	(S)	(S)	(D)	22	32	1799

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:39:19 EPCV23 TLP:J_EV_AREATAB.TLP;6 3/ 25/ 96 13:38:10 DATA:J_EV_T1_16.TXT;2 3/ 25/ 96 13:32:40 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 3
TSF:TIPS92-13384538.DAT;1 3/ 25/ 96 13:38:48 UTF:TIPS93-13384538.DAT;1 3/ 25/ 96 13:38:48 META:TIPS96-13384538.DAT;1 3/ 25/ 96 13:39:12

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					Relative standard error of estimate (percent)			
	1992	1987	1982	1977	1992	1987	1982	1977
Number of establishments in business during year	3 541	2 092	2 130	2 751	1	2	4	5
Proprietors and working partners	2 199	605	913	1 894	3	9	7	7
All employees**	22 217	13 847	15 739	19 165	2	2	2	3
Construction workers:								
March	14 912	8 605	10 248	13 049	2	3	2	3
May	17 453	10 196	11 955	17 002	2	3	3	3
August	19 305	11 529	12 978	18 419	2	3	2	7
November	17 336	10 324	11 681	15 628	2	3	3	3
Average	17 252	10 164	11 949	16 039	2	2	2	3
Other employees:								
March	4 993	3 593	3 751	2 969	2	3	3	3
May	4 871	3 664	(NA)	(NA)	2	3	(NA)	(NA)
August	5 055	3 857	(NA)	(NA)	2	3	(NA)	(NA)
November	4 946	3 621	(NA)	(NA)	2	3	(NA)	(NA)
Average	4 966	3 684	(NA)	(NA)	2	2	(NA)	(NA)
Payroll, all employees	479 350	278 255	313 450	251 616	1	1	1	2
Payroll, construction workers	343 681	183 967	231 962	203 302	2	2	1	2
Payroll, other employees	135 669	94 287	81 487	48 314	2	2	2	2
First quarter payroll, all employees	100 079	58 945	65 171	50 728	2	2	1	1
Fringe benefits, all employees	107 302	72 834	63 678	45 674	2	2	2	2
Legally required expenditures	74 893	52 389	49 014	28 118	2	2	2	2
Voluntary expenditures	32 408	20 445	14 664	17 556	2	3	4	2
Dollar value of business done	2 358 226	1 996 105	1 286 327	1 112 794	2	1	2	2
Value of construction work	2 261 464	1 723 338	1 232 787	1 061 289	2	1	2	2
Value of construction work subcontracted in from others	587 742	276 677	194 409	209 893	5	7	24	(Z)
Other business receipts	96 762	(S)	50 354	51 504	5	(S)	4	5
Net value of construction†	1 709 621	765 202	927 323	814 188	2	2	2	2
Value added††	1 014 179	585 196	475 451	478 981	2	2	2	2
Selected costs	1 344 046	1 407 150	807 689	617 253	2	1	2	3
Materials, components, and supplies	750 317	423 332	474 919	351 354	3	3	2	4
Construction work subcontracted out to others	551 842	958 135	305 463	247 101	3	1	2	3
Selected power, fuels, and lubricants	41 887	25 682	27 306	18 797	2	2	3	2
Electricity	5 106	6 071	3 189	1 702	4	4	5	5
Natural gas	1 838	1 114	792	986	4	6	6	7
Gasoline and diesel fuel	32 506	16 819	21 406	14 010	2	3	3	2
On highway use	23 835	11 520	(NA)	(NA)	3	3	(NA)	(NA)
Off highway use	8 671	5 298	(NA)	(NA)	3	5	(NA)	(NA)
Other, including lubricating oils and greases	2 437	1 677	1 918	2 100	7	9	7	7
Rental cost for machinery, equipment, and buildings	33 937	22 198	26 871	21 638	5	5	4	2
For machinery and equipment	25 578	15 499	21 207	19 034	5	6	5	2
For buildings	8 359	6 698	5 664	2 604	7	5	5	4
Selected purchased services	54 291	27 186	23 854	22 694	3	4	3	3
Communication services	10 372	8 981	7 104	4 183	5	4	3	7
Repairs to buildings and other structures	3 616	1 283	812	829	17	16	7	9
Repairs to machinery and equipment	40 302	16 920	15 937	17 682	3	5	3	3
Ownership of construction projects:								
Value of construction work	2 261 464	1 723 338	1 232 787	1 061 289	2	1	2	2
Government owned	642 394	786 706	305 087	246 387	5	3	5	1
Federal	232 181	178 278	(NA)	(NA)	9	7	(NA)	(NA)
State and local	410 213	608 427	(NA)	(NA)	7	3	(NA)	(NA)
Privately owned	1 619 069	936 631	927 699	814 902	3	4	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 Finance, Insurance, and Real Estate Industries.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:39:19 EPCV23 TLP:J_EV_AREATAB.TLP;6 3/ 25/ 96 13:38:10 DATA:J_EV_T1_16.TXT;2 3/ 25/ 96 13:32:40 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 4
TSF:TIPS92-13384538.DAT;1 3/ 25/ 96 13:38:48 UTF:TIPS93-13384538.DAT;1 3/ 25/ 96 13:38:48 META:TIPS96-13384538.DAT;1 3/ 25/ 96 13:39:12

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	373 525	194 987	4	8
Capital expenditures, other than land	54 465	17 840	6	9
New	32 619	12 061	8	12
Used	21 846	5 778	8	14
Retirements and disposition of depreciable assets	14 353	3 925	7	13
End-of-year gross book value of depreciable assets	413 638	208 902	4	8
Depreciation charges during year	43 915	21 149	4	5
Buildings and Other Structures, Additions, and Related Facilities				
Beginning-of-year gross book value of depreciable assets	42 776	50 925	15	24
Capital expenditures, other than land	3 332	1 439	18	28
New buildings and other structures	2 543	510	23	29
Used buildings and other structures	789	928	18	39
Retirements and disposition of depreciable assets	*1 679	228	41	21
End-of-year gross book value of depreciable assets	44 428	52 137	14	24
Depreciation charges during year	3 240	2 119	15	13
Machinery and Equipment				
Beginning-of-year gross book value of depreciable assets	330 750	144 061	4	5
Capital expenditures, other than land	51 133	16 400	6	9
New machinery and equipment, including automobiles and trucks	30 076	11 550	9	12
New automobiles and trucks, intended primarily for highway use	11 432	6 769	12	15
Used machinery and equipment, including automobiles and trucks	21 057	4 849	8	13
Retirements and disposition of depreciable assets	12 674	3 697	6	13
End-of-year gross book value of depreciable assets	369 209	156 765	4	5
Depreciation charges during year	40 675	19 029	4	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	3 541	1
Value of construction work	2 261 464	2
Establishments with inventories:		
Number	1 163	4
Value of construction work	838 429	3
Inventories[1]:		
End of 1992, materials and supplies	33 961	12
End of 1991, materials and supplies	33 246	10
Establishments with no inventories:		
Number	1 160	5
Value of construction work	924 836	3
Establishments not reporting:		
Number	1 218	4
Value of construction work	498 199	4

[1]Inventories at cost or market prior to any adjustment to correct to LIFO values.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:39:19 EPCV23 TLP:J_EV_AREATAB.TLP;6 3/ 25/ 96 13:38:10 DATA:J_EV_T1_16.TXT;2 3/ 25/ 96 13:32:40 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 5
TSF:TIPS92-13384538.DAT;1 3/ 25/ 96 13:38:48 UTF:TIPS93-13384538.DAT;1 3/ 25/ 96 13:38:48 META:TIPS96-13384538.DAT;1 3/ 25/ 96 13:39:12

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	3 541	(S)	619	324	149	38	11	1	1	–
All employees**	22 217	4 482	4 008	4 244	4 249	2 367	2 867	(D)	(D)	–
Payroll, all employees	479 350	69 185	73 265	88 194	102 388	67 777	78 541	(D)	(D)	–
Dollar value of business done	2 358 226	461 729	354 741	432 127	469 904	292 245	347 480	(D)	(D)	–
Value of construction work	2 261 464	454 069	348 236	421 893	451 359	287 368	298 538	(D)	(D)	–
Net value of construction work†	1 709 621	366 323	271 707	346 261	322 522	204 224	198 585	(D)	(D)	–
Value added††	1 014 179	201 165	150 007	197 631	184 146	120 896	160 335	(D)	(D)	–
Cost of materials, components, supplies, and fuels	792 204	172 817	128 206	158 864	156 920	88 205	87 192	(D)	(D)	–
Cost of construction work subcontracted out to others	551 842	87 746	76 529	75 632	128 837	83 144	99 953	(D)	(D)	–
Rental cost for machinery, equipment, and buildings	33 937	4 387	5 436	4 809	6 309	5 931	7 066	(D)	(D)	–
Capital expenditures, other than land	54 465	9 852	6 692	12 482	8 884	10 050	6 506	(D)	(D)	–
End-of-year gross book value of depreciable assets	413 638	67 331	38 026	76 338	76 576	67 702	87 664	(D)	(D)	–
1987										
All employees**	13 847	(S)	2 544	2 885	2 206	3 432	(D)	–	–	(D)
Value of construction work	1 723 338	(S)	431 771	(D)	1 087 573	(D)	(D)	–	–	(D)
Value added††	585 196	(S)	(D)	208 635	(D)	200 540	(D)	–	–	(D)
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	2	5	9	8	5	(Z)	(Z)	(D)	(D)	–
Net value of construction work†	2	7	9	7	4	(Z)	(Z)	(D)	(D)	–
Capital expenditures, other than land	6	16	27	18	3	(Z)	(Z)	(D)	(D)	–

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies. Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of 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	3 541	(S)	(S)	(S)	1 028	595	514	278	93	37	26
All employees**	22 217	(S)	(S)	(S)	2 758	2 722	3 763	4 032	2 895	1 494	3 403
Payroll, all employees	479 350	(S)	(S)	(S)	37 844	47 521	68 073	88 417	78 927	45 441	101 356
Dollar value of business done	2 358 226	(S)	(S)	(S)	169 629	205 019	355 768	427 139	316 234	243 562	592 995
Value of construction work	2 261 464	(S)	(S)	(S)	167 696	203 112	349 626	410 409	304 425	237 621	540 956
Net value of construction work†	1 709 621	(S)	(S)	(S)	148 880	176 764	293 064	325 061	241 094	173 883	306 585
Value added††	1 014 179	(S)	(S)	(S)	86 371	101 714	157 700	191 882	143 508	100 124	207 028
Cost of materials, components, supplies, and fuels	792 204	(S)	(S)	(S)	64 442	76 958	141 505	149 909	109 395	79 700	151 596
Cost of construction work subcontracted out to others	551 842	(S)	(S)	(S)	(S)	26 347	56 562	85 348	63 331	63 738	234 371
Rental cost for machinery, equipment, and buildings	33 937	(S)	(S)	(S)	2 184	2 635	3 741	5 900	5 072	4 253	9 199
Capital expenditures, other than land	54 465	(S)	(S)	(S)	4 397	4 790	8 498	10 414	10 216	5 490	9 244
End-of-year gross book value of depreciable assets	413 638	(S)	(S)	(S)	28 209	39 485	45 045	64 375	80 175	29 747	117 306
1987											
All employees**	13 847	154	(S)	(S)	1 773	1 802	2 068	2 618	1 311	562	2 586
Value of construction work	1 723 338	(D)	(S)	(S)	1 687 865	(D)	(D)	(D)	(D)	(D)	(D)
Value added††	585 196	1 088	(S)	(S)	(D)	(D)	197 919	386 189	(D)	(D)	(D)
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	2	(S)	(S)	(S)	8	9	9	7	4	2	(Z)
Net value of construction work†	2	(S)	(S)	(S)	7	9	9	8	5	4	(Z)
Capital expenditures, other than land	6	(S)	(S)	(S)	21	25	22	20	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 Finance, Insurance, and Real Estate Industries.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:39:19 EPCV23 TLP:J_EV_AREATAB.TLP;6 3/ 25/ 96 13:38:10 DATA:J_EV_T1_16.TXT;2 3/ 25/ 96 13:32:40 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 6
TSF:TIPS92-13384538.DAT;1 3/ 25/ 96 13:38:48 UTF:TIPS93-13384538.DAT;1 3/ 25/ 96 13:38:48 META:TIPS96-13384538.DAT;1 3/ 25/ 96 13:39:12

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

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

Type of construction	Value of construction work				Relative standard error of estimate (percent) for column—			
	Total	New construction	Additions, alterations, or reconstruction	Maintenance and repair				
	A	B	C	D	A	B	C	D
1992								
Value of construction work	**2 261 464**	**1 433 240**	**461 848**	**287 671**	**2**	**2**	**4**	**4**
Building construction	1 622 407	1 092 051	325 951	204 405	2	3	5	5
Single-family houses	614 610	483 047	80 270	51 294	5	6	10	9
Single-family houses, detached	582 223	458 097	75 521	48 606	5	6	10	10
Single-family houses, attached, including townhouses and townhouse-type condominiums	32 387	24 950	4 749	(S)	12	13	19	(S)
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	40 136	32 805	3 541	3 789	9	11	25	18
Other residential buildings, including hotels, motels, and tourist cabins	25 658	18 737	3 906	*3 015	26	33	21	45
Hotels, motels, and tourist cabins	11 561	8 690	1 819	1 052	9	10	15	18
Other residential buildings	*14 097	*10 047	2 087	*1 963	46	62	37	69
Office buildings	104 403	48 966	22 650	32 787	6	8	10	9
Other commercial buildings such as stores, restaurants, and automobile service stations	211 900	134 725	58 206	18 969	7	9	7	18
Industrial buildings and warehouses	269 174	138 726	71 731	58 717	6	7	11	9
Industrial buildings	225 369	108 608	60 602	56 159	7	8	13	9
Warehouses	43 805	30 118	11 129	2 558	14	20	8	13
Religious buildings	46 377	19 734	23 031	3 612	24	24	31	30
Educational buildings	112 132	83 840	20 121	8 172	4	4	13	23
Hospitals and institutional buildings	92 419	62 812	24 870	4 737	5	2	14	19
Farm buildings, nonresidential	46 123	35 597	5 870	4 656	15	17	24	24
Amusement, social, and recreational buildings, indoors	12 156	7 392	(D)	(D)	14	14	(D)	(D)
Other nonresidential buildings	47 319	25 671	(D)	(D)	14	19	(D)	(D)
Nonbuilding construction	560 352	341 189	135 897	83 266	3	3	5	8
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	225 595	98 060	81 020	46 516	4	6	4	11
Private driveways and parking areas	13 181	7 522	3 050	(S)	6	4	4	(S)
Bridges, tunnels, and elevated highways	55 495	44 651	(D)	(D)	5	4	(D)	(D)
Conservation and development construction	21 739	16 177	(D)	(D)	22	28	(D)	(D)
Power and communication transmission lines, towers, and related facilities	28 156	16 980	6 888	4 287	16	20	17	35
Sewers, water mains, and related facilities	74 857	59 836	6 464	8 557	13	14	22	25
Sewers, sewer lines, septic systems, and related facilities	34 068	27 760	2 756	3 552	16	19	23	28
Water mains and related facilities	40 789	32 076	3 708	5 005	15	16	26	26
Pipeline construction other than sewer or water lines	(S)	(S)	6 391	1 826	(S)	(S)	12	26
Power plants	13 208	6 849	*3 405	2 953	15	2	53	11
Other nonbuilding construction	101 413	72 620	20 658	8 135	6	4	24	15
Construction work, n.s.k.	78 704	(NA)	(NA)	(NA)	10	(NA)	(NA)	(NA)
1987								
Value of construction work	**1 723 338**	**1 107 234**	**299 876**	**257 120**	**1**	**2**	**4**	**3**
Building construction	1 169 978	716 423	218 991	232 406	2	3	5	2
Single-family houses	217 548	140 231	46 109	31 208	7	8	18	11
Single-family houses, detached	198 476	126 630	44 359	27 485	7	9	18	12
Single-family houses, attached, including townhouses and townhouse-type condominiums	19 072	13 601	1 750	3 723	13	17	11	13
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	13 884	7 915	4 422	1 546	15	26	6	16
Other residential buildings, including hotels, motels, and tourist cabins	38 638	31 546	4 126	2 965	30	36	8	19
Hotels, motels, and tourist cabins	30 886	*26 026	3 098	1 761	37	44	6	26
Other residential buildings	7 752	5 520	1 028	1 204	10	12	25	28
Office buildings	68 814	51 067	13 236	4 511	11	14	13	14
Other commercial buildings such as stores, restaurants, and automobile service stations	105 849	69 446	28 537	7 865	7	8	16	7
Industrial buildings and warehouses	589 183	(D)	84 417	(D)	1	(D)	3	(D)
Industrial buildings	554 696	(D)	77 015	(D)	1	(D)	2	(D)
Warehouses	34 487	25 760	7 402	1 324	15	20	13	25
Religious buildings	20 296	11 036	6 526	2 733	16	24	24	23
Educational buildings	55 853	42 683	11 387	1 782	10	10	33	21
Hospitals and institutional buildings	25 675	15 517	8 619	1 538	7	9	11	14
Farm buildings, nonresidential	13 959	11 438	1 125	1 394	9	10	22	20
Amusement, social, and recreational buildings, indoors	2 610	1 109	1 069	432	16	21	8	31
Other nonresidential buildings	17 662	7 421	9 415	825	15	28	15	7
Nonbuilding construction	494 253	388 657	80 882	24 713	2	2	4	15
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	106 754	44 955	56 657	5 142	6	12	4	8
Private driveways and parking areas	7 376	*4 616	1 038	*1 721	34	41	22	56
Bridges, tunnels, and elevated highways	130 584	130 066	*400	117	1	1	62	32
Conservation and development construction	5 771	3 095	460	*2 215	26	26	22	46
Power and communication transmission lines, towers, and related facilities	30 910	27 615	1 977	1 316	6	3	36	20
Sewers, water mains, and related facilities	22 417	15 259	*2 411	*4 745	13	11	49	41
Sewers, sewer lines, septic systems, and related facilities	7 651	4 407	*1 808	*1 435	20	15	63	55
Water mains and related facilities	14 766	10 852	603	*3 310	16	12	33	53
Pipeline construction other than sewer or water lines	*6 123	*5 039	(S)	*435	63	62	(S)	57
Power plants	21 877	19 146	2 394	*338	8	9	12	55
Other nonbuilding construction	162 440	169 101	16 670	9 434	(NA)	(NA)	(NA)	(NA)
Construction work, n.s.k.	59 105	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

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

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:39:19 EPCV23 TLP:J_EV_AREATAB.TLP;6 3/ 25/ 96 13:38:10 DATA:J_EV_T1_16.TXT;2 3/ 25/ 96 13:32:40 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 7
TSF:TIPS92-13384538.DAT;1 3/ 25/ 96 13:38:48 UTF:TIPS93-13384538.DAT;1 3/ 25/ 96 13:38:48 META:TIPS96-13384538.DAT;1 3/ 25/ 96 13:39:12

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
15, 16, 17	**Construction industries**	**3 541**	**17 252**	**14 912**	**17 453**	**19 305**	**17 336**	**1**	**2**	**2**	**2**	**2**	**2**
15	**Building construction—General contractors and operative builders:**												
152	General contractors, residential buildings:												
1521	Single-family houses	774	1 917	1 669	2 021	2 099	1 880	5	8	9	9	8	8
1522	Other residential buildings	23	*76	*72	*90	*76	*64	36	40	42	40	40	42
1531	Operative builders	123	172	184	162	176	168	19	25	25	26	21	29
154	General contractors, nonresidential buildings:												
1541	Industrial buildings and warehouses	45	424	417	379	479	421	18	8	7	9	9	9
1542	Nonresidential buildings, n.e.c.	172	1 928	1 635	1 899	2 214	1 964	13	8	7	9	8	8
16	**Heavy construction other than building construction—contractors:**												
1611	Highway and street construction	76	1 651	1 265	1 834	1 994	1 513	10	4	4	5	5	5
162	Heavy construction, except highway:												
1622	Bridge, tunnel, and elevated highway construction	4	81	77	84	87	77	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
1623	Water, sewer, and utility lines	54	678	501	724	779	706	19	9	9	9	11	11
1629	Heavy construction, n.e.c.	141	1 203	1 192	1 312	1 219	1 089	15	9	8	9	9	10
17	**Special trade contractors:**												
1711	Plumbing, heating, and air-conditioning	396	2 360	2 206	2 239	2 535	2 458	3	5	5	5	5	6
1721	Painting and paper hanging	191	466	306	444	591	524	8	12	12	9	16	15
1731	Electrical work	273	1 297	1 183	1 229	1 387	1 390	5	6	7	8	8	6
174	Masonry, stonework, tile setting, and plastering:												
1741	Masonry, stone setting, and other stonework	106	448	392	512	529	357	9	11	13	12	13	19
1742	Plastering, drywall, and insulation work	143	872	767	762	1 023	933	4	8	8	7	9	9
1743	Terrazzo, tile, marble, and mosaic work	37	*110	81	*135	*112	*113	22	44	32	49	41	46
175	Carpentry and floor work:												
1751	Carpentry	272	724	624	744	815	713	6	10	9	10	12	10
1752	Floor laying and other floor work	42	73	69	70	82	70	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
1761	Roofing, siding, and sheet metal work	165	811	653	835	948	805	12	14	15	15	15	13
1771	Concrete work	195	769	598	783	875	820	8	13	15	13	13	15
1781	Water well drilling	44	156	141	170	166	147	18	13	15	12	14	14
179	Miscellaneous special trade contractors:												
1791	Structural steel erection	27	158	160	162	155	156	32	31	27	29	34	35
1793	Glass and glazing work	20	86	86	77	89	94	14	8	10	7	6	7
1794	Excavation work	83	233	195	237	272	228	19	27	28	28	26	29
1795	Wrecking and demolition work	1	(D)	(D)	(D)	(D)	(D)	(Z)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	6	70	61	81	65	71	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
1799	Special trade contractors, n.e.c.	127	(D)	(D)	(D)	(D)	(D)	16	(D)	(D)	(D)	(D)	(D)

[1]Construction workers during pay periods including 12th of March, May, August, and November.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:39:19 EPCV23 TLP:J_EV_AREATAB.TLP;6 3/ 25/ 96 13:38:10 DATA:J_EV_T1_16.TXT;2 3/ 25/ 96 13:32:40 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 8
TSF:TIPS92-13384538.DAT;1 3/ 25/ 96 13:38:48 UTF:TIPS93-13384538.DAT;1 3/ 25/ 96 13:38:48 META:TIPS96-13384538.DAT;1 3/ 25/ 96 13:39:12

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 subcontracted out to others	Value of construction work subcontracted in from others	Rental cost for machinery, equipment, and buildings
15, 16, 17	**Construction industries**	**6.3**	**21.6**	**131.1**	**.212**	**.350**	**.244**	**.260**	**.015**
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	3.2	15.8	155.8	.132	.382	.315	.035	.006
1522	Other residential buildings	5.2	20.0	326.5	.098	.357	.457	(S)	.017
1531	Operative builders	2.4	26.1	(S)	(S)	(S)	(S)	(S)	(S)
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	13.3	26.3	241.3	.153	.260	.476	.027	.006
1542	Nonresidential buildings, n.e.c.	15.5	24.4	229.0	.147	.263	.537	.024	.007
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	26.4	24.4	134.7	.221	.286	.187	.174	.036
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	25.0	28.8	150.4	.236	.404	.134	.013	.007
1623	Water, sewer, and utility lines	14.8	26.9	102.6	.307	.266	.100	.112	(S)
1629	Heavy construction, n.e.c.	13.7	27.2	150.8	.291	(D)	(D)	.056	.030
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	7.9	22.7	113.3	.266	.455	.064	.676	.009
1721	Painting and paper hanging	2.8	14.8	55.6	.304	.297	.026	.629	.013
1731	Electrical work	6.0	25.6	103.2	.313	.415	.023	.728	.015
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	(D)	(D)	66.5	.331	.452	.018	.897	.012
1742	Plastering, drywall, and insulation work	6.8	16.9	61.9	.302	.361	.110	.848	.016
1743	Terrazzo, tile, marble, and mosaic work	3.3	14.8	67.6	.242	.464	.032	(S)	.013
175	Carpentry and floor work:								
1751	Carpentry	3.1	14.1	65.2	.252	.331	.139	.516	.006
1752	Floor laying and other floor work	2.0	11.0	56.9	.218	(D)	.045	.794	.014
1761	Roofing, siding, and sheet metal work	6.0	15.1	84.5	.217	.553	.049	.456	.011
1771	Concrete work	4.4	17.1	80.7	.237	(D)	(S)	.417	(S)
1781	Water well drilling	4.6	22.4	133.7	.217	.405	.044	.106	*.031
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	7.4	25.1	95.5	.329	.317	.095	.321	.056
1793	Glass and glazing work	6.7	17.8	114.7	.238	.560	(S)	.533	.011
1794	Excavation work	3.3	16.8	94.2	.208	.162	*.119	.812	.025
1795	Wrecking and demolition work	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	19.2	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1799	Special trade contractors, n.e.c.	(D)	(D)	(D)	(D)	.351	.066	(D)	.009

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

[Not applicable]

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:39:19 EPCV23 TLP:J_EV_AREATAB.TLP;6 3/ 25/ 96 13:38:10 DATA:J_EV_T1_16.TXT;2 3/ 25/ 96 13:32:40 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 9
TSF:TIPS92-13384538.DAT;1 3/ 25/ 96 13:38:48 UTF:TIPS93-13384538.DAT;1 3/ 25/ 96 13:38:48 META:TIPS96-13384538.DAT;1 3/ 25/ 96 13:39:12

Contents
Montana

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

Page

Summary of Findings 2

FIGURES

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

TABLES

Statistics for Establishments With and Without Payroll

1. Summary Statistics by Industry: 1992 and 1987 5

Statistics for Establishments With Payroll

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

-- Not applicable for this report.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:41:22 EPCV23 TLP:J_EV_FINAL.TLP;4 3/ 25/ 96 13:41:05 DATA:J_EV_T1_30.TXT;2 3/ 25/ 96 13:32:50 UPF:CON_CENPROD:[CEN.DATA]J_EV_A PAGE: 1
TSF:TIPS92-13410684.DAT;1 3/ 25/ 96 13:41:09 UTF:TIPS93-13410684.DAT;1 3/ 25/ 96 13:41:10 META:TIPS96-13410684.DAT;1 3/ 25/ 96 13:41:20

Summary of Findings

This report provides results from the 1992 Census of Construction Industries for Montana. 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 9,099 establishments in this State operating in the construction industries. These establishments accounted for $1.6 billion in total dollar value of business done.

Most of the 9,099 construction establishments were small. Of the total, 6,538 were nonemployers, and over half of the employer establishments had less than 5 employees. The 740 construction establishments with 5 employees or more, while representing only 8 percent of all establishments, accounted for more than 72 percent of the total dollar value of business done.

ESTABLISHMENTS WITH PAYROLL

During 1992, the establishments with paid employees accounted for $1.5 billion in total dollar value of business done. Of this amount, $1.4 billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to $326 million, leaving net value of construction work of $1.1 billion. In addition, these establishments paid out $576 million for the cost of materials, fuels, power, rental of equipment and buildings, and the cost of selected purchased services. Value added for 1992 was $609 million. (See Introduction and appendixes for explanation of terms.)

There were 2,561 establishments with total employment averaging 13,369 during the year. Total payroll for 1992 was $294 million.

The data in this report covering establishments with payroll were obtained from a sample survey. A construction establishment is defined as a relatively permanent office, or other place of business, where the usual business activities related to construction are conducted. A separate census report was required from each sample establishment covering domestic operations. Separate reports were not required for each project or construction site.

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

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

ESTABLISHMENTS WITHOUT PAYROLL

During 1992, there were 6,538 establishments with no payroll classified as construction. According to administrative records of the Federal Government, their dollar value of business done during 1992 was $174 million. Most of these establishments, about 80 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.

[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.

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

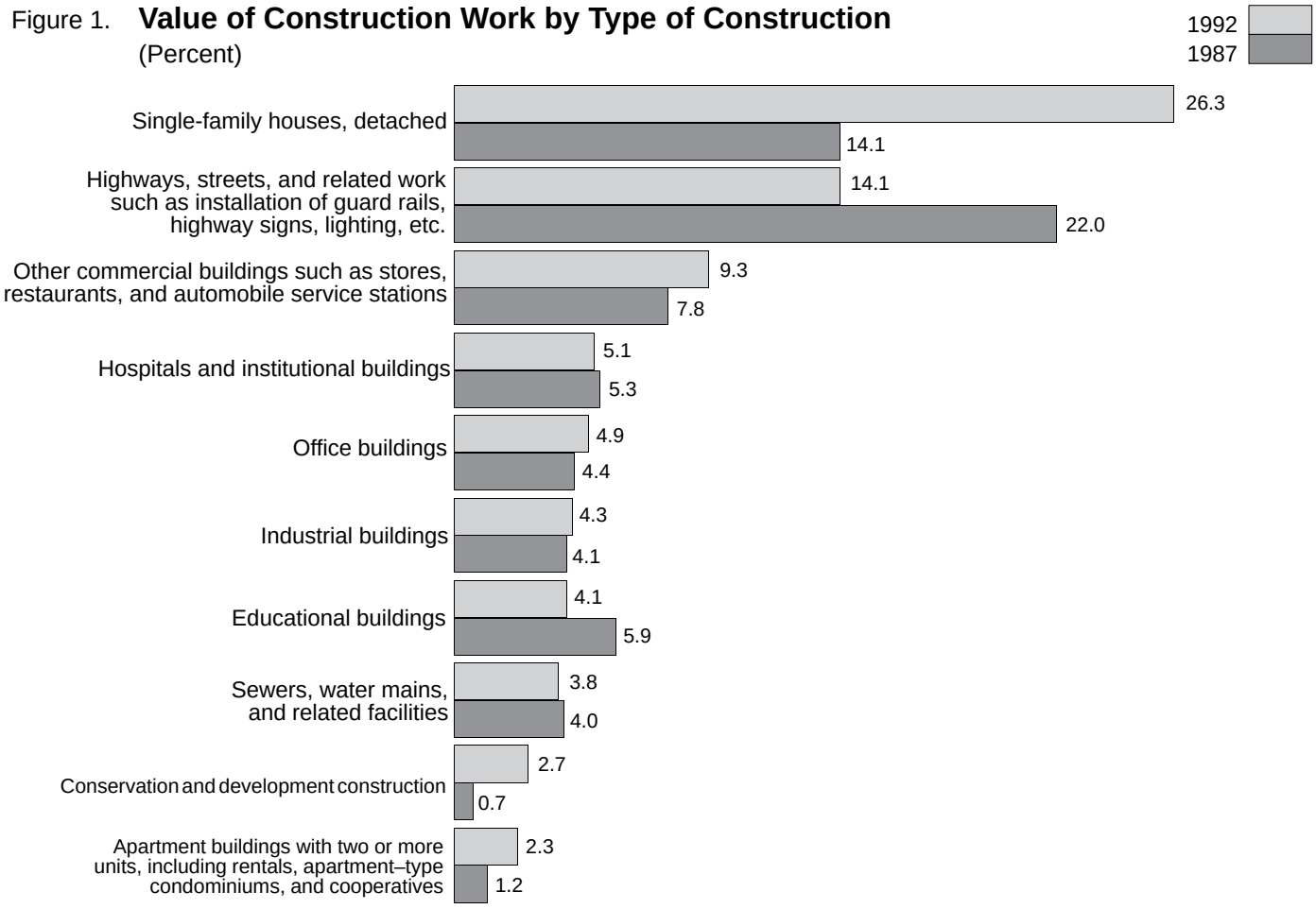


Figure 2. **Selected Costs per Dollar Value of Business Done**
(Percent)

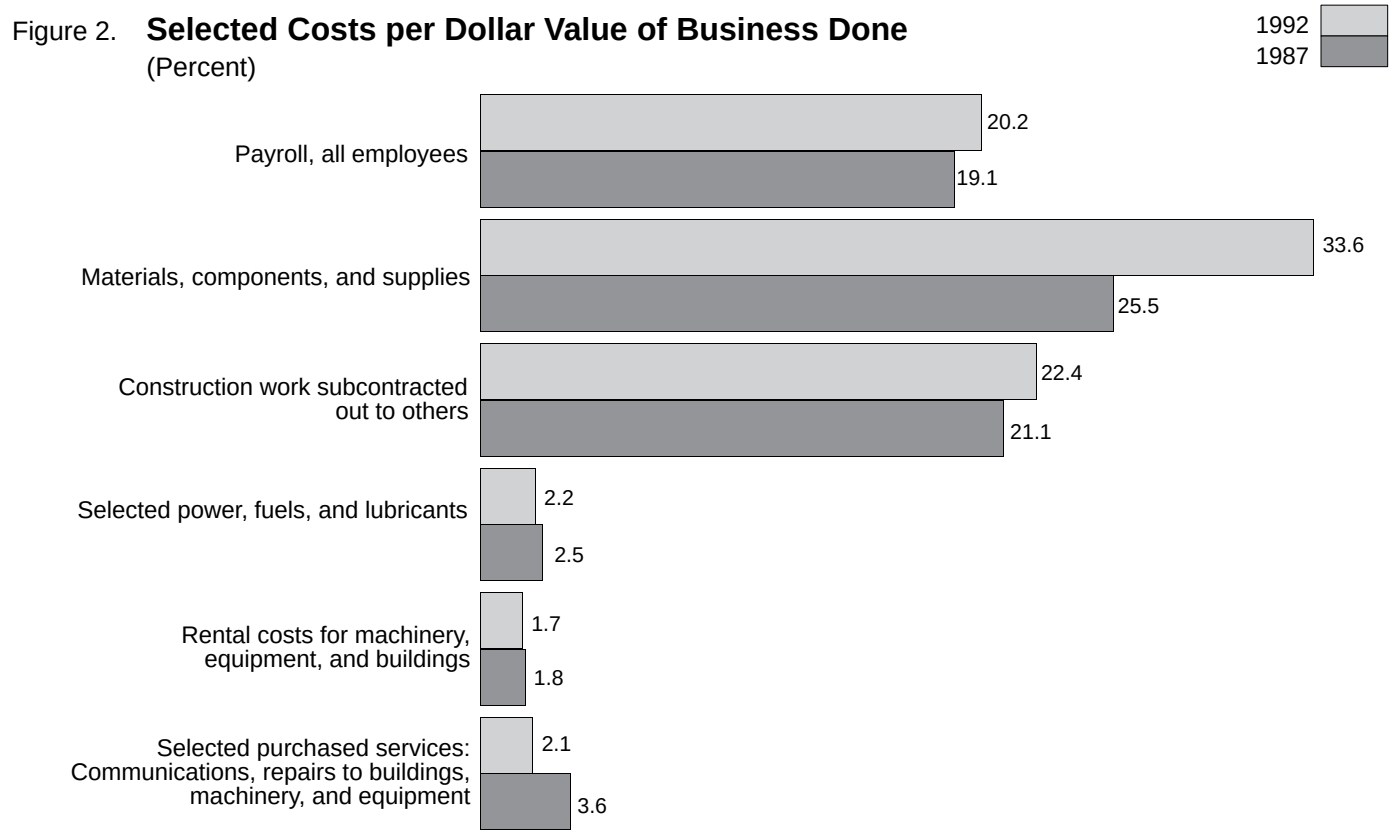


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1992 and 1987

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

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done[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	K
	1992													
15, 16, 17	**Construction industries**	**9 099**	**8 362**	**13 369**	**1 629 698**	**6 538**	**6 605**	**173 542**	**2 561**	**1 757**	**13 369**	**1 456 156**	**2**	**2**
15	**Building construction—General contractors and operative builders**	**1 971**	**1 748**	**3 746**	**568 306**	**1 083**	**1 119**	**51 685**	**888**	**629**	**3 746**	**516 621**	**4**	**5**
16	**Heavy construction other than building construction— contractors**	**471**	**336**	**3 286**	**417 198**	**225**	**213**	**7 703**	**246**	**123**	**3 286**	**409 495**	**3**	**2**
17	**Special trade contractors**	**6 657**	**6 278**	**6 337**	**644 194**	**5 230**	**5 273**	**114 154**	**1 427**	**1 005**	**6 337**	**530 040**	**3**	**3**
1711	Plumbing, heating, and air-conditioning	527	433	1 344	139 520	250	255	10 093	277	178	1 344	129 427	6	6
1731	Electrical work	484	352	1 159	96 307	264	265	8 653	220	87	1 159	87 654	6	7
	1987													
15, 16, 17	**Construction industries[2]**	**8 807**	**7 478**	**10 186**	**1 233 681**	**6 670**	**6 685**	**226 722**	**2 137**	**793**	**10 186**	**1 006 959**	**2**	**2**
15	**Building construction—General contractors and operative builders**	**2 151**	**1 755**	**2 272**	**364 693**	**1 568**	**1 535**	**63 113**	**583**	**220**	**2 272**	**301 580**	**7**	**7**
16	**Heavy construction other than building construction— contractors**	**549**	**306**	**3 395**	**429 850**	**221**	**210**	**15 765**	**328**	**96**	**3 395**	**414 085**	**3**	**2**
17	**Special trade contractors**	**5 887**	**5 164**	**4 504**	**398 986**	**4 675**	**4 699**	**107 813**	**1 212**	**465**	**4 504**	**291 173**	**8**	**5**
1711	Plumbing, heating, and air-conditioning	544	392	1 041	89 932	303	303	13 155	241	89	1 041	76 777	7	5
1731	Electrical work	467	345	756	56 214	295	292	10 059	172	53	756	46 155	6	5

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

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:40:55 EPCV23 TLP:J_EV_AREATAB.TLP;8 3/ 25/ 96 13:39:54 DATA:J_EV_T1_30.TXT;2 3/ 25/ 96 13:32:50 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 1
TSF:TIPS92-13402609.DAT;1 3/ 25/ 96 13:40:29 UTF:TIPS93-13402609.DAT;1 3/ 25/ 96 13:40:29 META:TIPS96-13402609.DAT;1 3/ 25/ 96 13:40:49

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							
			Employees**		Payroll				
		Number of establishments	All	Construction workers	All employees	Construction workers	Value of construction work	Net value of construction work†	Value added††
		A	B	C	D	E	F	G	H
15, 16, 17	**Construction industries**[1]	**2 561**	**13 369**	**10 600**	**294 240**	**218 647**	**1 415 411**	**1 089 188**	**608 848**
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	645	1 882	1 530	29 448	23 432	201 058	144 129	57 404
1522	Other residential buildings	41	167	138	2 458	1 833	19 207	12 722	7 271
1531	Operative builders	61	247	160	8 130	3 444	68 143	42 793	23 185
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	31	242	163	6 602	4 711	34 081	21 019	8 888
1542	Nonresidential buildings, n.e.c.	110	1 209	938	26 082	18 450	184 887	89 049	28 426
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	90	1 603	1 359	49 428	38 788	223 102	181 036	124 535
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	5	111	100	(D)	2 314	(D)	(D)	(D)
1623	Water, sewer, and utility lines	52	613	513	18 480	13 973	52 728	49 438	35 371
1629	Heavy construction, n.e.c.	99	960	774	21 789	16 706	108 012	(D)	53 330
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	277	1 344	973	34 090	23 621	126 259	112 947	63 217
1721	Painting and paper hanging	114	442	359	7 118	5 639	22 487	21 351	16 175
1731	Electrical work	220	1 159	874	28 754	22 516	85 896	82 868	46 127
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	59	312	278	4 784	(D)	17 932	(D)	(D)
1742	Plastering, drywall, and insulation work	60	207	177	3 829	2 955	16 859	14 441	7 704
1743	Terrazzo, tile, marble, and mosaic work	13	29	24	380	283	2 003	1 978	1 116
175	Carpentry and floor work:								
1751	Carpentry	140	380	293	8 197	5 077	54 393	(D)	17 173
1752	Floor laying and other floor work	19	44	37	621	560	2 191	2 114	1 293
1761	Roofing, siding, and sheet metal work	103	702	560	12 123	8 466	60 193	55 494	24 069
1771	Concrete work	164	578	512	8 710	7 568	40 825	38 454	22 067
1781	Water well drilling	56	149	120	2 494	1 948	13 681	13 374	7 460
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1793	Glass and glazing work	9	88	54	1 830	1 153	9 124	9 069	4 520
1794	Excavation work	69	191	142	3 321	2 572	14 218	13 339	9 159
1795	Wrecking and demolition work	–	–	–	–	–	–	–	–
1796	Installing building equipment, n.e.c.	10	138	119	2 736	2 454	7 002	6 944	5 595
1799	Special trade contractors, n.e.c.	112	(D)	(D)	9 831	5 960	35 508	34 249	24 614

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

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:40:55 EPCV23 TLP:J_EV_AREATAB.TLP;8 3/ 25/ 96 13:39:54 DATA:J_EV_T1_30.TXT;2 3/ 25/ 96 13:32:50 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 2
TSF:TIPS92-13402609.DAT;1 3/ 25/ 96 13:40:29 UTF:TIPS93-13402609.DAT;1 3/ 25/ 96 13:40:29 META:TIPS96-13402609.DAT;1 3/ 25/ 96 13:40:49

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 contruction 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	
521 084	**326 224**	**343 525**	**24 715**	**50 815**	**311 246**	**10 186**	**975 525**	**507 705**	**2**	**2**	**6**	**15, 16, 17**
												15
												152
92 009	56 929	(S)	1 155	2 577	12 119	815	63 289	26 983	8	10	26	1521
5 451	6 485	460	(S)	*231	1 091	160	32 855	*9 678	30	22	74	1522
20 138	25 351	136	*105	*33	*1 095	111	27 657	5 340	20	10	51	1531
												154
12 823	*13 062	*1 366	*223	*1 367	*7 540	*168	25 765	6 672	28	36	70	1541
63 363	95 839	*3 941	1 448	3 048	17 186	1 018	141 287	40 056	9	7	12	1542
												16
65 957	42 065	46 724	8 874	20 079	116 238	1 616	199 781	135 273	5	4	11	1611
												162
5 571	1 015	3 021	232	418	4 126	112	7 460	4 929	(Z)	(D)	(Z)	1622
14 648	3 289	*2 653	2 519	2 745	18 227	662	56 186	34 282	11	8	22	1623
(D)	(D)	21 299	3 978	5 353	41 967	1 005	143 278	83 946	8	(D)	27	1629
												17
52 898	13 312	85 781	1 698	3 144	17 727	1 041	73 898	38 946	6	6	24	1711
6 669	1 136	9 706	245	780	4 405	151	6 462	5 010	12	14	18	1721
38 498	3 028	50 865	851	2 926	12 321	756	44 169	27 956	6	7	36	1731
												174
6 688	(D)	16 383	105	(D)	(S)	191	9 622	5 538	16	(D)	(D)	1741
8 711	*2 418	11 370	102	224	1 347	131	5 348	3 737	13	11	13	1742
880	(S)	1 850	7	20	378	(S)	(S)	(S)	(Z)	(Z)	(Z)	1743
												175
(D)	(D)	11 810	478	614	4 875	455	37 326	16 548	14	(D)	11	1751
(S)	77	(S)	38	70	(S)	(S)	(S)	(S)	(Z)	(Z)	(Z)	1752
31 573	*4 699	31 808	442	*1 898	7 814	356	27 697	14 986	13	18	40	1761
18 754	2 371	19 451	665	1 581	8 514	188	8 167	4 955	15	12	39	1771
(D)	(S)	1 279	164	391	7 667	155	8 494	6 194	6	7	18	1781
												179
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1791
5 138	56	(S)	136	24	510	75	(D)	2 848	17	12	18	1793
4 751	879	5 555	780	2 194	12 317	(S)	(S)	(S)	18	14	36	1794
–	–	–	–	–	–	(S)	(S)	(S)	–	–	–	1795
1 349	58	*3 281	72	(D)	*1 032	84	7 699	5 219	20	24	(D)	1796
17 522	1 259	(D)	(D)	666	(D)	474	21 430	14 598	(D)	16	35	1799

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:40:55 EPCV23 TLP:J_EV_AREATAB.TLP;8 3/ 25/ 96 13:39:54 DATA:J_EV_T1_30.TXT;2 3/ 25/ 96 13:32:50 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 3
TSF:TIPS92-13402609.DAT;1 3/ 25/ 96 13:40:29 UTF:TIPS93-13402609.DAT;1 3/ 25/ 96 13:40:29 META:TIPS96-13402609.DAT;1 3/ 25/ 96 13:40:49

Table 3. **Detailed Statistics for Establishments With Payroll: 1992 and Earlier Census Years**

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

Item	1992	1987	1982	1977	Relative standard error of estimate (percent) 1992	1987	1982	1977
Number of establishments in business during year	2 561	2 137	2 227	2 602	1	2	4	5
Proprietors and working partners	1 757	793	924	1 916	3	8	7	7
All employees**	13 369	10 186	12 755	15 691	2	2	2	3
Construction workers:								
March	8 613	6 564	8 283	10 636	2	3	3	4
May	10 895	8 092	10 147	14 487	2	3	3	3
August	12 282	9 302	12 287	15 977	2	2	3	3
November	10 611	7 939	10 251	13 991	2	3	3	4
Average	10 600	7 974	10 510	13 785	2	2	3	3
Other employees:								
March	2 632	2 137	2 205	1 732	3	4	5	6
May	2 722	2 202	(NA)	(NA)	4	4	(NA)	(NA)
August	2 878	2 284	(NA)	(NA)	3	4	(NA)	(NA)
November	2 844	2 223	(NA)	(NA)	3	4	(NA)	(NA)
Average	2 769	2 212	(NA)	(NA)	3	4	(NA)	(NA)
Payroll, all employees	294 240	192 743	199 589	175 385	2	2	2	3
Payroll, construction workers	218 647	140 231	160 709	149 055	2	2	2	4
Payroll, other employees	75 593	52 511	38 880	26 330	2	3	3	4
First quarter payroll, all employees	53 594	38 902	39 057	31 203	3	3	2	3
Fringe benefits, all employees	82 489	48 252	34 906	34 444	3	2	3	3
Legally required expenditures	56 031	32 820	26 681	20 784	3	2	3	3
Voluntary expenditures	26 458	15 432	8 225	13 660	4	3	3	4
Dollar value of business done	1 456 156	1 006 959	890 695	818 535	2	2	2	3
Value of construction work	1 415 411	975 525	864 533	785 195	2	2	2	3
Value of construction work subcontracted in from others	343 525	158 308	174 764	142 373	6	6	5	4
Other business receipts	40 745	26 443	22 503	33 339	7	13	8	27
Net value of construction†	1 089 188	763 533	698 776	637 781	2	2	2	3
Value added††	608 848	507 705	443 360	378 203	2	2	2	4
Selected costs	847 308	494 263	443 676	427 828	3	3	3	4
Materials, components, and supplies	488 602	257 050	250 671	262 927	3	3	3	4
Construction work subcontracted out to others	326 224	211 991	165 757	147 414	3	5	3	4
Selected power, fuels, and lubricants	32 482	25 221	27 248	17 487	3	2	4	3
Electricity	3 742	2 604	2 356	1 356	7	6	6	9
Natural gas	2 452	698	1 105	886	5	9	7	10
Gasoline and diesel fuel	24 334	19 722	21 421	12 935	3	2	4	3
On highway use	15 884	11 387	(NA)	(NA)	4	3	(NA)	(NA)
Off highway use	8 450	8 334	(NA)	(NA)	4	4	(NA)	(NA)
Other, including lubricating oils and greases	1 954	2 197	2 365	2 314	4	5	8	9
Rental cost for machinery, equipment, and buildings	24 715	18 440	13 008	12 924	5	7	3	5
For machinery and equipment	19 536	13 764	10 006	10 227	5	7	4	4
For buildings	5 179	4 676	3 001	2 697	10	9	6	16
Selected purchased services	30 449	36 478	21 712	22 864	5	2	5	2
Communication services	6 482	4 624	3 854	3 098	5	4	5	5
Repairs to buildings and other structures	925	1 092	1 726	1 015	13	12	5	9
Repairs to machinery and equipment	23 042	30 761	16 131	18 752	6	2	5	2
Ownership of construction projects:								
Value of construction work	1 415 411	975 525	864 533	785 195	2	2	2	3
Government owned	466 533	466 814	296 637	262 683	4	3	5	2
Federal	126 894	123 957	(NA)	(NA)	8	8	(NA)	(NA)
State and local	339 638	342 856	(NA)	(NA)	5	3	(NA)	(NA)
Privately owned	948 879	508 710	567 896	522 513	5	6	4	4

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

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:40:55 EPCV23 TLP:J_EV_AREATAB.TLP;8 3/ 25/ 96 13:39:54 DATA:J_EV_T1_30.TXT;2 3/ 25/ 96 13:32:50 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 4
TSF:TIPS92-13402609.DAT;1 3/ 25/ 96 13:40:29 UTF:TIPS93-13402609.DAT;1 3/ 25/ 96 13:40:29 META:TIPS96-13402609.DAT;1 3/ 25/ 96 13:40:49

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	292 992	229 803	6	4
Capital expenditures, other than land	50 815	19 948	6	6
New	29 791	11 938	7	8
Used	21 024	8 010	8	9
Retirements and disposition of depreciable assets	*32 561	11 520	49	30
End-of-year gross book value of depreciable assets	311 246	238 232	4	4
Depreciation charges during year	35 886	26 598	5	4
Buildings and Other Structures, Additions, and Related Facilities				
Beginning-of-year gross book value of depreciable assets	34 937	30 555	11	10
Capital expenditures, other than land	4 827	2 326	23	22
New buildings and other structures	4 653	1 218	23	35
Used buildings and other structures	175	1 108	26	21
Retirements and disposition of depreciable assets	(S)	*1 078	(S)	50
End-of-year gross book value of depreciable assets	38 002	31 803	10	10
Depreciation charges during year	3 337	3 362	16	12
Machinery and Equipment				
Beginning-of-year gross book value of depreciable assets	258 055	199 248	7	4
Capital expenditures, other than land	45 988	17 622	6	6
New machinery and equipment, including automobiles and trucks	25 139	10 720	7	7
New automobiles and trucks, intended primarily for highway use	10 925	4 854	12	10
Used machinery and equipment, including automobiles and trucks	20 849	6 901	8	9
Retirements and disposition of depreciable assets	*30 799	10 441	51	31
End-of-year gross book value of depreciable assets	273 244	206 429	4	4
Depreciation charges during year	32 549	23 235	5	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 Finance, Insurance, and Real Estate Industries.

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

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

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	2 561	1
Value of construction work	1 415 411	2
Establishments with inventories:		
Number	1 019	4
Value of construction work	687 621	2
Inventories[1]:		
End of 1992, materials and supplies	21 822	9
End of 1991, materials and supplies	19 446	8
Establishments with no inventories:		
Number	863	5
Value of construction work	505 458	4
Establishments not reporting:		
Number	679	4
Value of construction work	222 333	6

[1]Inventories at cost or market prior to any adjustment to correct to LIFO values.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:40:55 EPCV23 TLP:J_EV_AREATAB.TLP;8 3/ 25/ 96 13:39:54 DATA:J_EV_T1_30.TXT;2 3/ 25/ 96 13:32:50 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 5
TSF:TIPS92-13402609.DAT;1 3/ 25/ 96 13:40:29 UTF:TIPS93-13402609.DAT;1 3/ 25/ 96 13:40:29 META:TIPS96-13402609.DAT;1 3/ 25/ 96 13:40:49

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	2 561	1 821	445	184	87	16	8	–	–	–
All employees**	13 369	3 220	2 842	2 381	2 632	1 096	1 199	–	–	–
Payroll, all employees	294 240	44 025	51 875	54 821	74 015	34 543	34 961	–	–	–
Dollar value of business done	1 456 156	287 857	242 942	223 090	352 061	183 534	166 672	–	–	–
Value of construction work	1 415 411	284 787	236 225	215 161	344 473	175 192	159 574	–	–	–
Net value of construction work†	1 089 188	238 182	200 063	173 959	247 410	113 295	116 279	–	–	–
Value added††	608 848	125 887	101 370	86 712	141 226	76 425	77 229	–	–	–
Cost of materials, components, supplies, and fuels	521 084	115 366	105 410	95 176	113 773	45 212	46 148	–	–	–
Cost of construction work subcontracted out to others	326 224	46 604	36 162	41 202	97 063	61 897	43 295	–	–	–
Rental cost for machinery, equipment, and buildings	24 715	3 446	3 089	3 985	6 005	2 518	5 672	–	–	–
Capital expenditures, other than land	50 815	9 515	7 542	8 292	12 319	10 464	2 683	–	–	–
End-of-year gross book value of depreciable assets	311 246	53 230	43 582	45 120	93 157	48 738	27 420	–	–	–
1987										
All employees**	10 186	(S)	1 812	1 906	1 724	589	1 344	(D)	–	–
Value of construction work	975 525	(S)	124 736	165 163	205 001	281 834	(D)	(D)	–	–
Value added††	507 705	(S)	62 161	77 216	89 279	36 084	141 282	(D)	–	–
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	2	6	10	9	4	(Z)	(Z)	–	–	–
Net value of construction work†	2	7	10	9	4	(Z)	(Z)	–	–	–
Capital expenditures, other than land	6	18	19	23	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 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	2 561	(S)	(S)	389	835	427	295	146	51	28	17
All employees**	13 369	(S)	(S)	597	1 923	1 930	2 228	2 156	1 386	1 242	1 648
Payroll, all employees	294 240	(S)	(S)	5 902	24 674	31 447	45 132	54 580	37 006	36 595	57 004
Dollar value of business done	1 456 156	(S)	(S)	29 322	137 381	152 469	202 067	217 332	168 277	189 447	350 932
Value of construction work	1 415 411	(S)	(S)	28 778	135 952	149 899	196 600	213 995	157 398	186 267	337 728
Net value of construction work†	1 089 188	(S)	(S)	26 534	120 424	130 565	162 249	181 081	122 649	128 732	209 100
Value added††	608 848	(S)	(S)	15 760	65 929	68 185	87 818	94 555	59 648	75 251	137 175
Cost of materials, components, supplies, and fuels	521 084	(S)	(S)	11 318	55 924	64 950	79 899	89 864	73 880	56 661	85 129
Cost of construction work subcontracted out to others	326 224	(S)	(S)	(S)	(S)	19 334	34 350	32 913	34 749	57 535	128 628
Rental cost for machinery, equipment, and buildings	24 715	(S)	(S)	(S)	1 589	2 418	2 824	3 977	3 184	3 073	7 325
Capital expenditures, other than land	50 815	(S)	(S)	(S)	5 529	6 158	5 805	8 973	5 346	6 174	11 966
End-of-year gross book value of depreciable assets	311 246	(S)	(S)	6 652	24 375	37 209	42 037	51 721	37 833	44 778	65 552
1987											
All employees**	10 186	(S)	(S)	818	1 485	1 445	1 286	1 514	1 019	824	1 345
Value of construction work	975 525	(S)	(S)	36 923	86 906	98 004	90 053	159 723	110 244	115 228	267 629
Value added††	507 705	(S)	(S)	20 306	52 276	46 200	60 048	71 804	51 238	52 741	146 534
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	2	(S)	(S)	14	9	11	10	7	6	4	(Z)
Net value of construction work†	2	(S)	(S)	11	8	11	11	9	8	6	(Z)
Capital expenditures, other than land	6	(S)	(S)	(S)	23	23	23	21	(Z)	2	(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.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:40:55 EPCV23 TLP:J_EV_AREATAB.TLP;8 3/ 25/ 96 13:39:54 DATA:J_EV_T1_30.TXT;2 3/ 25/ 96 13:32:50 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 6
TSF:TIPS92-13402609.DAT;1 3/ 25/ 96 13:40:29 UTF:TIPS93-13402609.DAT;1 3/ 25/ 96 13:40:29 META:TIPS96-13402609.DAT;1 3/ 25/ 96 13:40:49

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

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

Type of construction	Value of construction work				Relative standard error of estimate (percent) for column—			
	Total	New construction	Additions, alterations, or reconstruction	Maintenance and repair				
	A	B	C	D	A	B	C	D
1992								
Value of construction work	**1 415 411**	**770 705**	**411 836**	**169 274**	**2**	**3**	**3**	**6**
Building construction	896 976	577 166	224 695	95 115	3	4	4	11
Single-family houses	393 780	292 390	66 465	34 925	5	6	8	10
Single-family houses, detached	372 231	276 623	64 175	31 432	5	7	8	10
Single-family houses, attached, including townhouses and townhouse-type condominiums	21 550	15 767	2 290	3 493	13	17	11	28
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	32 397	21 006	7 255	4 137	12	16	13	16
Other residential buildings, including hotels, motels, and tourist cabins	19 250	12 683	4 079	2 488	10	10	16	20
Office buildings	68 834	27 912	30 873	10 049	6	9	8	12
Other commercial buildings such as stores, restaurants, and automobile service stations	132 072	77 245	38 377	16 449	7	7	12	18
Industrial buildings and warehouses	74 330	41 799	18 522	14 009	12	19	9	21
Industrial buildings	60 500	34 866	14 444	11 191	14	22	8	23
Warehouses	13 830	6 934	4 078	*2 818	23	30	20	40
Educational buildings	58 153	27 056	25 686	*5 411	8	12	8	44
Hospitals and institutional buildings	71 527	44 766	23 637	3 124	8	12	6	15
Farm buildings, nonresidential	9 509	*6 719	*1 544	1 246	36	44	45	38
Other nonresidential buildings	37 124	25 589	8 257	3 278	8	8	20	31
Nonbuilding construction	454 839	193 540	187 141	74 159	2	4	3	4
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	200 247	51 518	111 653	37 076	3	9	3	5
Airport runways and related work	11 837	(D)	5 338	(D)	6	(D)	14	(D)
Private driveways and parking areas	10 799	6 855	(D)	(D)	26	23	(D)	(D)
Fencing	10 068	9 296	(S)	*552	39	39	(S)	59
Bridges, tunnels, and elevated highways	26 028	10 745	13 770	1 513	2	4	1	(Z)
Dam and reservoir construction	12 167	(D)	(D)	(D)	10	(D)	(D)	(D)
Conservation and development construction	38 574	27 206	*5 055	6 313	9	9	46	19
Power and communication transmission lines, towers, and related facilities	29 233	19 932	5 212	4 089	9	11	29	11
Sewers, water mains, and related facilities	53 614	38 401	8 979	6 234	7	9	15	16
Sewers, sewer lines, septic systems, and related facilities	28 287	20 230	4 115	3 943	9	12	6	22
Water mains and related facilities	25 327	18 171	4 865	2 291	9	9	27	15
Pipeline construction other than sewer or water lines	15 045	6 829	3 700	4 516	16	31	8	1
Other nonbuilding construction	47 228	18 438	21 165	7 625	6	5	3	27
Construction work, n.s.k.	63 596	(NA)	(NA)	(NA)	9	(NA)	(NA)	(NA)
1987								
Value of construction work	**975 525**	**620 228**	**230 254**	**84 208**	**2**	**3**	**4**	**5**
Building construction	512 264	332 371	129 544	50 348	4	5	5	7
Single-family houses	151 745	100 427	32 704	18 613	8	11	15	11
Single-family houses, detached	137 652	88 462	31 631	17 558	9	11	15	11
Single-family houses, attached, including townhouses and townhouse-type condominiums	14 093	11 965	*1 073	1 055	28	32	50	18
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	12 068	9 022	1 043	2 001	10	8	29	19
Other residential buildings, including hotels, motels, and tourist cabins	37 040	22 306	12 469	2 264	16	27	6	17
Office buildings	43 378	26 086	12 435	4 856	10	15	14	12
Other commercial buildings such as stores, restaurants, and automobile service stations	76 088	49 717	20 244	6 125	17	25	10	21
Industrial buildings and warehouses	50 490	22 423	20 489	7 577	8	14	5	27
Industrial buildings	40 126	15 475	18 072	6 578	9	16	5	31
Warehouses	10 364	6 948	2 417	*999	13	18	14	40
Educational buildings	57 561	47 510	7 324	2 726	4	3	13	18
Hospitals and institutional buildings	52 037	36 871	13 360	1 805	7	9	12	7
Farm buildings, nonresidential	3 529	2 362	225	941	29	38	34	30
Other nonresidential buildings	28 322	15 641	9 245	3 433	(NA)	(NA)	(NA)	(NA)
Nonbuilding construction	422 426	287 856	100 709	33 860	3	2	7	9
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	214 812	139 637	63 959	11 215	3	2	9	15
Private driveways and parking areas	2 153	1 430	*215	*507	33	25	58	74
Fencing	*6 564	*4 923	(S)	*1 319	40	42	(S)	69
Bridges, tunnels, and elevated highways	28 886	(D)	(D)	801	7	(D)	(D)	14
Dam and reservoir construction	22 893	(D)	(D)	1 620	8	(D)	(D)	8
Conservation and development construction	6 922	4 047	2 747	(S)	10	11	12	(S)
Power and communication transmission lines, towers, and related facilities	11 006	5 016	2 516	3 473	9	12	11	10
Sewers, water mains, and related facilities	39 483	33 029	3 352	*3 100	13	13	18	43
Sewers, sewer lines, septic systems, and related facilities	18 127	14 474	2 255	1 397	7	4	22	35
Water mains and related facilities	21 356	18 555	1 097	*1 703	22	23	28	53
Other nonbuilding construction	89 707	99 774	27 920	11 582	(NA)	(NA)	(NA)	(NA)
Construction work, n.s.k.	40 834	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

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

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:40:55 EPCV23 TLP:J_EV_AREATAB.TLP;8 3/ 25/ 96 13:39:54 DATA:J_EV_T1_30.TXT;2 3/ 25/ 96 13:32:50 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 7
TSF:TIPS92-13402609.DAT;1 3/ 25/ 96 13:40:29 UTF:TIPS93-13402609.DAT;1 3/ 25/ 96 13:40:29 META:TIPS96-13402609.DAT;1 3/ 25/ 96 13:40:49

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
15, 16, 17	**Construction industries**	**2 561**	**10 600**	**8 613**	**10 895**	**12 282**	**10 611**	**1**	**2**	**2**	**2**	**2**	**2**
15	**Building construction—General contractors and operative builders:**												
152	General contractors, residential buildings:												
1521	Single-family houses	645	1 530	1 376	1 411	1 777	1 557	5	9	10	9	9	10
1522	Other residential buildings	41	138	121	*227	86	115	37	27	23	51	23	35
1531	Operative builders	61	160	145	174	174	148	25	25	26	25	25	27
154	General contractors, nonresidential buildings:												
1541	Industrial buildings and warehouses	31	163	151	166	170	165	23	29	30	29	31	30
1542	Nonresidential buildings, n.e.c.	110	938	713	930	1 099	1 011	17	9	9	10	10	7
16	**Heavy construction other than building construction—contractors:**												
1611	Highway and street construction	90	1 359	820	1 588	1 816	1 213	14	5	5	4	5	7
162	Heavy construction, except highway:												
1622	Bridge, tunnel, and elevated highway construction	5	100	82	122	92	102	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
1623	Water, sewer, and utility lines	52	513	410	497	563	583	21	12	18	10	10	11
1629	Heavy construction, n.e.c.	99	774	(D)	770	931	(D)	16	9	(D)	10	10	(D)
17	**Special trade contractors:**												
1711	Plumbing, heating, and air-conditioning	277	973	910	993	1 052	936	5	5	5	6	6	7
1721	Painting and paper hanging	114	359	241	370	468	357	8	12	14	14	14	14
1731	Electrical work	220	874	797	836	924	939	4	6	6	5	8	7
174	Masonry, stonework, tile setting, and plastering:												
1741	Masonry, stone setting, and other stonework	59	278	240	259	321	290	10	16	16	13	20	17
1742	Plastering, drywall, and insulation work	60	177	194	179	180	158	8	15	14	14	15	16
1743	Terrazzo, tile, marble, and mosaic work	13	24	23	30	21	22	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
175	Carpentry and floor work:												
1751	Carpentry	140	293	251	303	349	269	9	14	14	14	11	13
1752	Floor laying and other floor work	19	37	33	35	36	43	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
1761	Roofing, siding, and sheet metal work	103	560	454	545	642	598	13	12	13	13	12	12
1771	Concrete work	164	512	393	522	618	515	10	15	15	16	15	16
1781	Water well drilling	56	120	103	121	141	113	3	7	8	7	8	7
179	Miscellaneous special trade contractors:												
1791	Structural steel erection	2	(D)	(D)	(D)	(D)	(D)	(Z)	(D)	(D)	(D)	(D)	(D)
1793	Glass and glazing work	9	54	51	51	56	59	21	16	15	15	17	16
1794	Excavation work	69	142	116	133	155	162	14	18	22	18	19	18
1795	Wrecking and demolition work	–	–	–	–	–	–	–	–	–	–	–	–
1796	Installing building equipment, n.e.c.	10	119	101	152	111	113	13	20	23	11	27	24
1799	Special trade contractors, n.e.c.	112	(D)	(D)	(D)	(D)	(D)	17	(D)	(D)	(D)	(D)	(D)

[1]Construction workers during pay periods including 12th of March, May, August, and November.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:40:55 EPCV23 TLP:J_EV_AREATAB.TLP;8 3/ 25/ 96 13:39:54 DATA:J_EV_T1_30.TXT;2 3/ 25/ 96 13:32:50 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 8
TSF:TIPS92-13402609.DAT;1 3/ 25/ 96 13:40:29 UTF:TIPS93-13402609.DAT;1 3/ 25/ 96 13:40:29 META:TIPS96-13402609.DAT;1 3/ 25/ 96 13:40:49

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 subcontracted out to others	Value of construction work subcontracted in from others	Rental cost for machinery, equipment, and buildings
15, 16, 17	**Construction industries**	**5.2**	**22.0**	**133.5**	**.208**	**.368**	**.230**	**.243**	**.017**
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	2.9	15.6	131.4	.146	.458	.283	(S)	.006
1522	Other residential buildings	4.1	14.7	139.2	.128	.284	.338	.024	(S)
1531	Operative builders	4.1	32.9	425.9	.119	.296	.372	.002	.002
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	7.7	27.3	209.1	.194	.376	.383	*.040	*.007
1542	Nonresidential buildings, n.e.c.	11.0	21.6	197.1	.141	.343	.518	*.021	.008
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	17.9	30.8	164.2	.222	.296	.189	.209	.040
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	22.2	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines	11.7	30.1	102.8	.350	.278	.062	*.050	.048
1629	Heavy construction, n.e.c.	9.7	22.7	139.6	.202	(D)	(D)	.197	.037
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	4.8	25.4	129.8	.270	.419	.105	.679	.013
1721	Painting and paper hanging	3.9	16.1	62.6	.317	.297	.051	.432	.011
1731	Electrical work	5.3	24.8	98.3	.335	.448	.035	.592	.010
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	5.3	15.3	64.5	.267	.373	(D)	.914	.006
1742	Plastering, drywall, and insulation work	3.5	18.5	95.2	.227	.517	.143	.674	.006
1743	Terrazzo, tile, marble, and mosaic work	2.2	13.1	83.5	.190	.439	(S)	.924	.003
175	Carpentry and floor work:								
1751	Carpentry	2.7	21.6	185.6	.151	(D)	(D)	.217	.009
1752	Floor laying and other floor work	2.3	14.1	59.2	.283	(S)	.035	(S)	.017
1761	Roofing, siding, and sheet metal work	6.8	17.3	107.5	.201	.525	*.078	.528	.007
1771	Concrete work	3.5	15.1	79.7	.213	.459	.058	.476	.016
1781	Water well drilling	2.7	16.7	114.0	.182	(D)	(S)	.094	.012
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1793	Glass and glazing work	9.7	20.8	169.0	.201	.563	.006	(S)	.015
1794	Excavation work	2.8	17.4	100.1	.234	.334	.062	.391	.055
1795	Wrecking and demolition work	–	–	–	–	–	–	–	–
1796	Installing building equipment, n.e.c.	14.5	19.8	58.8	.391	.193	.008	*.469	.010
1799	Special trade contractors, n.e.c.	(D)	(D)	(D)	.277	.493	.035	(D)	(D)

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

[Not applicable]

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:40:55 EPCV23 TLP:J_EV_AREATAB.TLP;8 3/ 25/ 96 13:39:54 DATA:J_EV_T1_30.TXT;2 3/ 25/ 96 13:32:50 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 9
TSF:TIPS92-13402609.DAT;1 3/ 25/ 96 13:40:29 UTF:TIPS93-13402609.DAT;1 3/ 25/ 96 13:40:29 META:TIPS96-13402609.DAT;1 3/ 25/ 96 13:40:49

Contents
Nevada

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

Page

Summary of Findings 2

FIGURES

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

TABLES

Statistics for Establishments With and Without Payroll

1. Summary Statistics by Industry: 1992 and 1987 5

Statistics for Establishments With Payroll

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

-- Not applicable for this report.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:43:10 EPCV23 TLP:J_EV_FINAL.TLP;5 3/ 25/ 96 13:42:53 DATA:J_EV_T1_32.TXT;2 3/ 25/ 96 13:33:02 UPF:CON_CENPROD:[CEN.DATA]J_EV_A PAGE: 1
TSF:TIPS92-13425469.DAT;1 3/ 25/ 96 13:42:58 UTF:TIPS93-13425469.DAT;1 3/ 25/ 96 13:42:58 META:TIPS96-13425469.DAT;1 3/ 25/ 96 13:43:08

Summary of Findings

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

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

During 1992, there were 8,463 establishments in this State operating in the construction industries. These establishments accounted for $5.5 billion in total dollar value of business done.

Most of the 8,463 construction establishments were small. Of the total, 5,152 were nonemployers, and over half of the employer establishments had less than 5 employees. The 1,489 construction establishments with 5 employees or more, while representing only 18 percent of all establishments, accounted for more than 89 percent of the total dollar value of business done.

ESTABLISHMENTS WITH PAYROLL

During 1992, the establishments with paid employees accounted for $5.3 billion in total dollar value of business done. Of this amount, $5.2 billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to $1.5 billion, leaving net value of construction work of $3.7 billion. In addition, these establishments paid out $1.7 billion for the cost of materials, fuels, power, rental of equipment and buildings, 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 3,311 establishments with total employment averaging 41,031 during the year. Total payroll for 1992 was $1.2 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 5,152 establishments with no payroll classified as construction. According to administrative records of the Federal Government, their dollar value of business done during 1992 was $179 million. Most of these establishments, about 80 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.

[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.

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

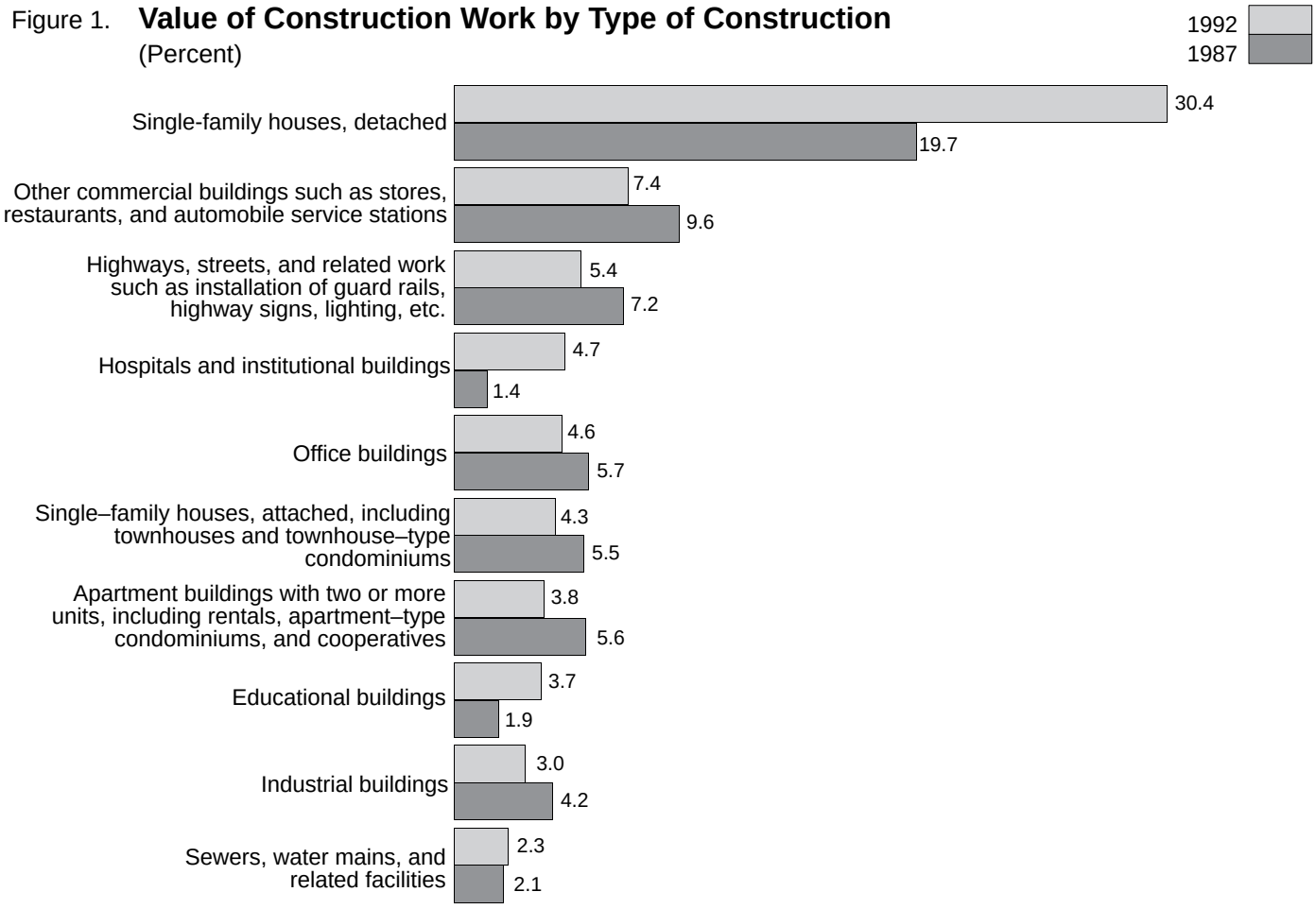


Figure 2. **Selected Costs per Dollar Value of Business Done**
(Percent)

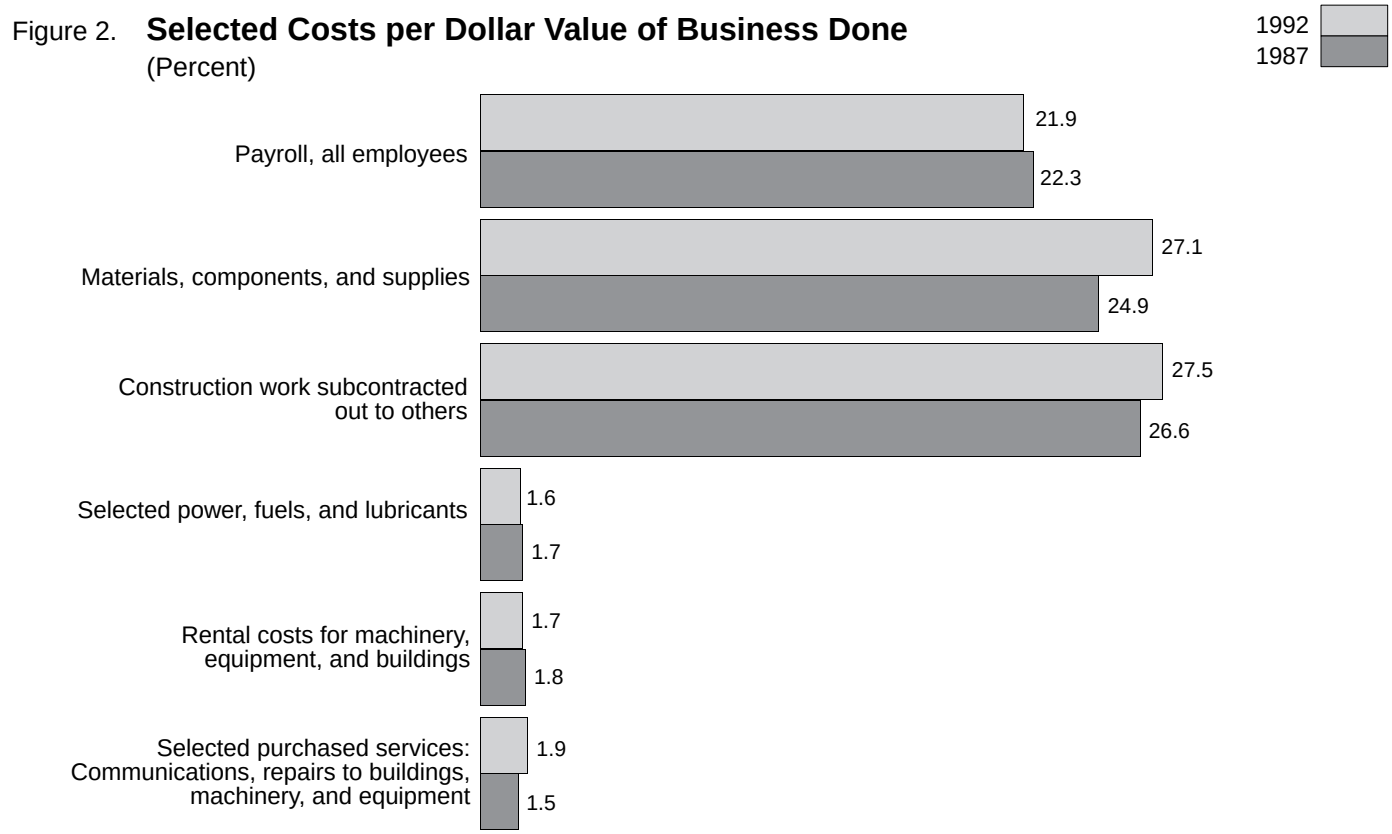


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1992 and 1987

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

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done[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	K
	1992													
15, 16, 17	**Construction industries**	**8 463**	**6 650**	**41 031**	**5 500 323**	**5 152**	**4 978**	**179 100**	**3 311**	**1 672**	**41 031**	**5 321 223**	**1**	**1**
15	**Building construction—General contractors and operative builders**	**1 948**	**1 387**	**7 884**	**2 320 820**	**955**	**871**	**79 553**	**993**	**516**	**7 884**	**2 241 267**	**2**	**2**
16	**Heavy construction other than building construction— contractors**	**308**	**164**	**8 805**	**980 055**	**99**	**86**	**3 076**	**209**	**(S)**	**8 805**	**976 979**	**2**	**1**
17	**Special trade contractors**	**6 208**	**5 098**	**24 341**	**2 199 448**	**4 098**	**4 021**	**96 471**	**2 110**	**1 077**	**24 341**	**2 102 977**	**1**	**1**
1711	Plumbing, heating, and air-conditioning	698	527	3 990	424 960	328	325	11 042	370	(S)	3 990	413 918	2	2
1731	Electrical work	561	331	3 555	322 159	256	238	6 486	305	93	3 555	315 673	3	2
	1987													
15, 16, 17	**Construction industries[2]**	**7 496**	**5 459**	**32 961**	**4 022 055**	**4 950**	**4 893**	**340 007**	**2 546**	**566**	**32 961**	**3 682 048**	**1**	**3**
15	**Building construction—General contractors and operative builders**	**1 856**	**1 175**	**6 471**	**1 562 814**	**1 092**	**1 019**	**115 221**	**764**	**156**	**6 471**	**1 447 593**	**3**	**7**
16	**Heavy construction other than building construction— contractors**	**228**	**113**	**8 861**	**898 425**	**87**	**88**	**5 196**	**141**	**25**	**8 861**	**893 229**	**1**	**1**
17	**Special trade contractors**	**5 135**	**3 907**	**17 400**	**1 432 653**	**3 549**	**3 528**	**141 339**	**1 586**	**379**	**17 400**	**1 291 314**	**2**	**2**
1711	Plumbing, heating, and air-conditioning	612	387	3 068	286 546	314	310	17 569	298	77	3 068	268 977	4	4
1731	Electrical work	456	264	2 768	255 101	209	206	8 774	247	58	2 768	246 327	8	6

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

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:42:42 EPCV23 TLP:J_EV_AREATAB.TLP;10 3/ 25/ 96 13:41:33 DATA:J_EV_T1_32.TXT;2 3/ 25/ 96 13:33:02 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 1
TSF:TIPS92-13421051.DAT;1 3/ 25/ 96 13:42:13 UTF:TIPS93-13421051.DAT;1 3/ 25/ 96 13:42:13 META:TIPS96-13421051.DAT;1 3/ 25/ 96 13:42:35

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** All	Employees** Construction workers	Payroll All employees	Payroll Construction workers	Value of construction work	Net value of construction work†	Value added††
		A	B	C	D	E	F	G	H
15, 16, 17	**Construction industries[1]**	**3 311**	**41 031**	**31 415**	**1 165 636**	**825 639**	**5 202 052**	**3 739 037**	**2 330 203**
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	507	2 598	1 964	58 271	38 166	507 787	247 064	182 558
1522	Other residential buildings	59	880	702	31 622	24 792	287 459	105 060	52 301
1531	Operative builders	184	1 892	853	53 138	18 804	697 365	362 279	194 720
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	18	309	221	8 504	5 704	74 328	35 127	16 600
1542	Nonresidential buildings, n.e.c.	226	2 205	1 590	67 601	45 372	598 256	227 143	149 736
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	72	1 641	1 353	55 930	44 651	232 688	202 418	128 257
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines	53	1 165	939	39 246	30 428	142 783	128 278	81 442
1629	Heavy construction, n.e.c.	83	5 855	3 631	219 570	129 026	574 674	510 299	372 788
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	370	3 990	3 070	118 943	87 577	407 390	384 000	220 473
1721	Painting and paper hanging	140	796	641	16 583	13 049	45 449	43 678	29 536
1731	Electrical work	305	3 555	2 781	97 153	73 474	313 664	282 064	172 207
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	109	1 465	1 263	27 121	22 753	(D)	(D)	(D)
1742	Plastering, drywall, and insulation work	176	3 360	2 965	80 093	68 056	205 508	191 341	123 767
1743	Terrazzo, tile, marble, and mosaic work	67	653	542	16 733	12 923	46 808	43 859	23 798
175	Carpentry and floor work:								
1751	Carpentry	181	2 461	2 138	57 831	45 714	199 553	194 109	107 477
1752	Floor laying and other floor work	54	401	319	8 705	6 245	32 135	30 504	18 510
1761	Roofing, siding, and sheet metal work	94	1 172	982	28 748	23 104	116 422	107 817	64 161
1771	Concrete work	192	2 641	2 352	75 463	60 073	262 344	230 476	131 108
1781	Water well drilling	32	214	181	5 105	4 004	22 249	21 836	13 005
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	28	664	557	23 014	18 495	75 430	70 320	53 022
1793	Glass and glazing work	47	410	276	10 158	6 836	38 056	37 864	21 389
1794	Excavation work	92	858	713	20 465	15 540	77 963	65 243	46 455
1795	Wrecking and demolition work	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	17	285	219	9 323	6 752	40 944	40 749	24 465
1799	Special trade contractors, n.e.c.	205	(D)	(D)	(D)	(D)	119 134	(D)	59 001

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

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:42:42 EPCV23 TLP:J_EV_AREATAB.TLP;10 3/ 25/ 96 13:41:33 DATA:J_EV_T1_32.TXT;2 3/ 25/ 96 13:33:02 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 2
TSF:TIPS92-13421051.DAT;1 3/ 25/ 96 13:42:13 UTF:TIPS93-13421051.DAT;1 3/ 25/ 96 13:42:13 META:TIPS96-13421051.DAT;1 3/ 25/ 96 13:42:35

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 contruction 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	
1 528 006	**1 463 015**	**1 768 434**	**90 897**	**95 424**	**1 357 406**	**32 961**	**3 542 235**	**1 648 169**	**1**	**1**	**3**	**15, 16, 17**
												15
												152
105 264	260 723	13 450	5 941	3 714	45 958	1 866	242 541	91 992	6	8	18	1521
53 976	182 399	7 336	1 602	990	12 885	676	236 989	32 744	7	6	32	1522
184 540	335 086	2 450	2 728	3 590	30 448	1 302	351 401	111 965	4	4	19	1531
												154
18 795	39 201	*2 968	368	201	2 113	540	115 753	33 494	15	14	25	1541
94 256	371 114	25 544	6 728	3 822	30 361	2 087	416 718	104 441	6	5	20	1542
												16
89 509	30 270	51 781	8 980	9 371	116 561	1 980	301 240	171 391	5	3	20	1611
												162
(D)	–	(D)	–	(D)	(D)	(D)	9 647	5 330	(D)	(D)	(D)	1622
47 693	14 505	40 530	4 533	5 398	49 723	666	69 641	41 770	5	4	2	1623
140 495	64 375	(D)	18 477	37 582	(D)	(D)	(D)	(D)	2	1	3	1629
												17
170 055	23 390	319 695	6 967	3 150	48 033	3 068	266 110	143 796	2	2	15	1711
14 201	1 771	29 408	434	(D)	4 878	703	34 102	22 963	9	11	(D)	1721
111 866	31 600	274 658	5 028	3 834	29 767	2 768	244 191	144 674	3	3	15	1731
												174
36 174	(D)	(S)	(S)	(D)	8 749	865	57 428	32 621	5	(D)	(D)	1741
70 240	14 167	174 515	2 924	1 645	14 762	2 656	119 984	78 448	3	5	15	1742
20 154	*2 949	40 938	552	(S)	3 229	267	17 105	10 403	11	10	(S)	1743
												175
87 398	5 445	133 521	3 529	3 317	37 315	1 683	97 627	49 597	5	6	4	1751
(S)	(S)	(S)	(S)	*86	(D)	224	14 668	8 136	18	16	60	1752
44 104	8 605	92 804	1 162	448	10 304	1 145	77 180	45 112	6	7	18	1761
99 369	31 868	197 010	9 462	5 450	41 223	1 186	94 123	55 118	4	4	7	1771
(D)	413	2 036	546	834	9 423	71	8 598	5 181	14	17	22	1781
												179
(D)	*5 110	(S)	1 281	*2 012	*9 752	284	24 831	14 693	4	5	66	1791
19 244	192	28 665	906	*273	2 379	366	32 397	19 043	8	10	45	1793
19 287	12 720	63 855	3 867	5 101	37 231	683	85 734	51 797	11	10	33	1794
(D)	(D)	–	(D)	–	–	*97	5 780	5 691	(D)	(D)	–	1795
16 284	195	11 912	606	(S)	(S)	121	14 982	10 537	(Z)	(Z)	(S)	1796
(D)	(D)	51 628	(D)	*2 017	(D)	1 213	75 123	43 702	(D)	(D)	54	1799

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:42:42 EPCV23 TLP:J_EV_AREATAB.TLP;10 3/ 25/ 96 13:41:33 DATA:J_EV_T1_32.TXT;2 3/ 25/ 96 13:33:02 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 3
TSF:TIPS92-13421051.DAT;1 3/ 25/ 96 13:42:13 UTF:TIPS93-13421051.DAT;1 3/ 25/ 96 13:42:13 META:TIPS96-13421051.DAT;1 3/ 25/ 96 13:42:35

Table 3. **Detailed Statistics for Establishments With Payroll: 1992 and Earlier Census Years**

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

Item	1992	1987	1982	1977	Relative standard error of estimate (percent) 1992	1987	1982	1977
Number of establishments in business during year	3 311	2 546	2 283	1 817	1	2	3	5
Proprietors and working partners	1 672	566	659	1 074	3	10	8	9
All employees**	41 031	32 961	24 344	21 984	1	1	1	2
Construction workers:								
March	29 318	24 222	18 196	16 174	1	2	2	2
May	31 151	25 443	18 356	18 062	1	2	2	2
August	33 081	26 015	18 590	19 165	1	2	2	2
November	32 112	24 426	17 213	20 191	1	2	3	2
Average	31 415	25 026	18 335	18 413	1	2	2	2
Other employees:								
March	9 732	7 943	5 992	3 480	1	1	1	3
May	9 580	7 887	(NA)	(NA)	1	2	(NA)	(NA)
August	9 653	7 988	(NA)	(NA)	1	1	(NA)	(NA)
November	9 498	7 918	(NA)	(NA)	1	2	(NA)	(NA)
Average	9 616	7 934	(NA)	(NA)	1	1	(NA)	(NA)
Payroll, all employees	1 165 636	820 432	557 481	324 001	1	1	1	1
Payroll, construction workers	825 639	585 316	426 768	261 267	1	1	1	1
Payroll, other employees	339 997	235 116	130 713	62 734	1	1	1	1
First quarter payroll, all employees	259 927	192 713	131 519	67 576	1	1	1	1
Fringe benefits, all employees	301 346	203 829	116 590	75 808	1	1	1	1
Legally required expenditures	182 874	119 465	75 830	36 597	1	2	1	1
Voluntary expenditures	118 472	84 363	40 759	39 211	1	1	1	1
Dollar value of business done	5 321 223	3 682 048	2 152 262	1 290 715	1	3	1	1
Value of construction work	5 202 052	3 542 235	2 072 786	1 230 055	1	3	1	1
Value of construction work subcontracted in from others	1 768 434	856 838	492 363	425 594	2	2	2	2
Other business receipts	119 171	63 500	46 725	60 660	4	6	2	2
Net value of construction†	3 739 037	2 561 597	1 536 303	940 533	1	1	1	1
Value added††	2 330 203	1 648 169	1 007 727	579 176	1	2	1	1
Selected costs	2 991 020	1 957 566	1 111 785	675 173	1	4	1	2
Materials, components, and supplies	1 442 374	915 661	525 739	363 864	1	2	1	1
Construction work subcontracted out to others	1 463 015	980 638	536 483	289 522	2	8	1	2
Selected power, fuels, and lubricants	85 632	61 266	49 561	21 787	1	2	2	1
Electricity	23 920	13 994	11 479	4 611	1	1	1	2
Natural gas	4 393	1 764	1 380	1 020	4	5	5	5
Gasoline and diesel fuel	53 509	41 580	34 417	13 489	2	2	2	2
On highway use	38 219	26 811	(NA)	(NA)	2	2	(NA)	(NA)
Off highway use	15 290	14 769	(NA)	(NA)	2	1	(NA)	(NA)
Other, including lubricating oils and greases	3 811	3 926	2 284	2 667	8	8	6	3
Rental cost for machinery, equipment, and buildings	90 897	67 085	39 330	19 351	3	2	2	4
For machinery and equipment	62 458	48 864	29 705	16 455	3	3	2	5
For buildings	28 440	18 220	9 625	2 896	5	4	3	3
Selected purchased services	98 750	54 782	37 066	21 848	4	2	2	2
Communication services	27 769	13 441	9 387	5 748	5	3	3	2
Repairs to buildings and other structures	4 064	3 523	1 242	827	9	11	6	6
Repairs to machinery and equipment	66 916	37 817	26 437	15 272	4	2	2	2
Ownership of construction projects:								
Value of construction work	5 202 052	3 542 235	2 072 786	1 230 055	1	3	1	1
Government owned	1 328 620	983 801	663 596	286 344	4	3	2	1
Federal	498 074	550 082	(NA)	(NA)	3	1	(NA)	(NA)
State and local	830 546	433 718	(NA)	(NA)	6	7	(NA)	(NA)
Privately owned	3 873 432	2 558 434	1 409 190	943 711	2	5	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 Finance, Insurance, and Real Estate Industries.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:42:42 EPCV23 TLP:J_EV_AREATAB.TLP;10 3/ 25/ 96 13:41:33 DATA:J_EV_T1_32.TXT;2 3/ 25/ 96 13:33:02 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 4
TSF:TIPS92-13421051.DAT;1 3/ 25/ 96 13:42:13 UTF:TIPS93-13421051.DAT;1 3/ 25/ 96 13:42:13 META:TIPS96-13421051.DAT;1 3/ 25/ 96 13:42:35

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	1 317 363	334 107	1	8
Capital expenditures, other than land	95 424	52 530	3	4
New	77 438	35 231	3	5
Used	17 986	17 298	11	7
Retirements and disposition of depreciable assets	55 381	19 658	3	26
End-of-year gross book value of depreciable assets	1 357 406	366 979	1	6
Depreciation charges during year	103 948	40 273	3	5
Buildings and Other Structures, Additions, and Related Facilities				
Beginning-of-year gross book value of depreciable assets	186 572	98 115	7	25
Capital expenditures, other than land	8 679	9 625	15	10
New buildings and other structures	7 802	7 005	16	5
Used buildings and other structures	877	2 619	38	33
Retirements and disposition of depreciable assets	3 700	*9 743	3	50
End-of-year gross book value of depreciable assets	191 550	97 997	7	21
Depreciation charges during year	9 943	6 212	7	22
Machinery and Equipment				
Beginning-of-year gross book value of depreciable assets	1 130 791	235 991	1	3
Capital expenditures, other than land	86 746	42 905	3	5
New machinery and equipment, including automobiles and trucks	69 636	28 226	3	7
New automobiles and trucks, intended primarily for highway use	14 863	12 526	7	8
Used machinery and equipment, including automobiles and trucks	17 109	14 679	11	6
Retirements and disposition of depreciable assets	51 681	9 915	3	12
End-of-year gross book value of depreciable assets	1 165 856	268 981	1	3
Depreciation charges during year	94 005	34 061	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 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	3 311	1
Value of construction work	5 202 052	1
Establishments with inventories:		
Number	1 257	4
Value of construction work	2 317 997	1
Inventories[1]:		
End of 1992, materials and supplies	51 510	5
End of 1991, materials and supplies	68 392	3
Establishments with no inventories:		
Number	958	4
Value of construction work	2 029 758	2
Establishments not reporting:		
Number	1 097	4
Value of construction work	854 297	2

[1]Inventories at cost or market prior to any adjustment to correct to LIFO values.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:42:42 EPCV23 TLP:J_EV_AREATAB.TLP;10 3/ 25/ 96 13:41:33 DATA:J_EV_T1_32.TXT;2 3/ 25/ 96 13:33:02 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 5
TSF:TIPS92-13421051.DAT;1 3/ 25/ 96 13:42:13 UTF:TIPS93-13421051.DAT;1 3/ 25/ 96 13:42:13 META:TIPS96-13421051.DAT;1 3/ 25/ 96 13:42:35

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	3 311	(S)	641	423	291	87	38	8	–	1
All employees**	41 031	3 675	4 202	5 704	8 724	6 142	5 732	6 853	–	(D)
Payroll, all employees	1 165 636	64 817	101 065	144 249	249 359	180 333	180 633	245 179	–	(D)
Dollar value of business done	5 321 223	438 295	522 704	649 340	1 164 330	957 036	847 316	742 203	–	(D)
Value of construction work	5 202 052	429 194	516 158	633 057	1 140 765	941 624	801 955	739 299	–	(D)
Net value of construction work†	3 739 037	323 713	366 090	500 351	840 687	635 802	518 070	554 325	–	(D)
Value added††	2 330 203	193 622	213 751	308 784	517 661	384 186	346 121	366 078	–	(D)
Cost of materials, components, supplies, and fuels	1 528 006	139 192	158 884	207 850	346 590	267 028	217 310	191 151	–	(D)
Cost of construction work subcontracted out to others	1 463 015	105 481	150 068	132 706	300 079	305 822	283 885	184 974	–	(D)
Rental cost for machinery, equipment, and buildings	90 897	(S)	10 439	12 871	22 296	10 717	13 043	15 569	–	(D)
Capital expenditures, other than land	95 424	(S)	8 479	8 936	13 267	9 136	13 806	35 177	–	(D)
End-of-year gross book value of depreciable assets	1 357 406	49 607	79 169	72 597	127 107	94 145	934 781	(D)	–	(D)
1987										
All employees**	32 961	(S)	(S)	4 583	7 436	4 647	9 834	(D)	–	(D)
Value of construction work	3 542 235	(S)	(S)	467 063	742 694	608 576	1 014 295	(D)	–	(D)
Value added††	1 648 169	(S)	(S)	214 113	333 387	290 143	501 081	(D)	–	(D)
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	7	8	6	3	(Z)	(Z)	(Z)	–	(D)
Net value of construction work†	1	7	8	5	1	(Z)	(Z)	(Z)	–	(D)
Capital expenditures, other than land	3	(S)	24	21	3	(Z)	(Z)	(Z)	–	(D)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies. Statistics for "Land Subdividers and Developers," SIC 6552, are included in the statistics from previous censuses, but excluded for 1992. SIC 6552 is covered in the Census of 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	3 311	(S)	(S)	(S)	758	591	570	437	164	107	82
All employees**	41 031	(S)	(S)	(S)	1 868	2 863	4 317	7 358	5 287	5 253	13 356
Payroll, all employees	1 165 636	(S)	(S)	(S)	27 521	55 348	97 917	180 296	147 415	159 701	489 007
Dollar value of business done	5 321 223	(S)	(S)	(S)	124 046	214 934	394 811	680 648	563 331	747 560	2 565 684
Value of construction work	5 202 052	(S)	(S)	(S)	121 426	211 246	389 886	668 293	548 360	736 995	2 495 821
Net value of construction work†	3 739 037	(S)	(S)	(S)	109 565	185 541	330 801	555 803	457 762	515 210	1 557 665
Value added††	2 330 203	(S)	(S)	(S)	(S)	113 060	192 780	346 029	278 176	290 900	1 028 130
Cost of materials, components, supplies, and fuels	1 528 006	(S)	(S)	(S)	48 139	76 169	142 946	222 129	194 557	234 876	599 398
Cost of construction work subcontracted out to others	1 463 015	(S)	(S)	(S)	(S)	25 706	59 085	112 490	90 598	221 785	938 156
Rental cost for machinery, equipment, and buildings	90 897	(S)	(S)	(S)	2 132	(S)	11 495	13 696	10 689	9 173	39 607
Capital expenditures, other than land	95 424	(S)	(S)	(S)	2 742	(S)	6 719	10 834	8 347	8 892	53 785
End-of-year gross book value of depreciable assets	1 357 406	(S)	(S)	(S)	26 896	35 012	62 538	86 879	76 248	80 405	985 597
1987											
All employees**	32 961	(S)	(S)	(S)	(S)	(S)	3 820	6 649	3 487	3 732	10 091
Value of construction work	3 542 235	(S)	(S)	(S)	(S)	(S)	254 331	507 757	412 604	478 600	1 582 210
Value added††	1 648 169	(S)	(S)	(S)	(S)	(S)	129 153	279 581	184 190	218 021	658 082
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	1	(S)	(S)	(S)	10	9	7	4	2	1	(Z)
Net value of construction work†	1	(S)	(S)	(S)	9	9	8	5	3	4	(Z)
Capital expenditures, other than land	3	(S)	(S)	(S)	23	(S)	24	20	5	7	(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.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:42:42 EPCV23 TLP:J_EV_AREATAB.TLP;10 3/ 25/ 96 13:41:33 DATA:J_EV_T1_32.TXT;2 3/ 25/ 96 13:33:02 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 6
TSF:TIPS92-13421051.DAT;1 3/ 25/ 96 13:42:13 UTF:TIPS93-13421051.DAT;1 3/ 25/ 96 13:42:13 META:TIPS96-13421051.DAT;1 3/ 25/ 96 13:42:35

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

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

Type of construction	Value of construction work				Relative standard error of estimate (percent) for column—			
	Total	New construction	Additions, alterations, or reconstruction	Maintenance and repair				
	A	B	C	D	A	B	C	D
1992								
Value of construction work	**5 202 052**	**3 947 572**	**727 955**	**399 152**	**1**	**1**	**3**	**3**
Building construction	3 886 687	3 143 808	520 637	222 243	1	2	4	4
Single-family houses	1 803 825	1 604 139	115 568	84 118	2	3	9	6
Single-family houses, detached	1 581 328	1 413 088	98 473	69 767	2	2	10	6
Single-family houses, attached, including townhouses and townhouse-type condominiums	222 497	191 051	17 095	14 351	14	16	17	16
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	198 639	170 705	10 333	17 601	12	14	15	10
Other residential buildings, including hotels, motels, and tourist cabins	466 999	333 959	115 806	17 233	1	1	4	12
Office buildings	241 827	157 700	61 565	22 561	4	3	12	11
Other commercial buildings such as stores, restaurants, and automobile service stations	386 455	256 372	80 293	49 790	5	6	9	9
Industrial buildings and warehouses	243 122	190 460	35 155	17 507	3	3	11	9
Industrial buildings	155 230	113 331	27 797	14 101	4	4	14	11
Warehouses	87 892	77 129	7 358	3 406	3	3	12	9
Educational buildings	192 745	162 298	26 098	4 349	7	8	15	10
Hospitals and institutional buildings	244 415	199 998	40 179	4 238	2	1	7	6
Amusement, social, and recreational buildings, indoors	66 851	43 399	21 897	1 555	6	3	15	4
Other nonresidential buildings	41 811	24 778	13 743	3 290	9	7	25	12
Nonbuilding construction	1 187 993	803 765	207 319	176 910	2	2	1	3
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	279 541	172 945	64 142	42 453	3	4	3	9
Outdoor swimming pools	58 135	51 626	(D)	(D)	23	25	(D)	(D)
Fencing	29 706	25 872	1 303	2 531	17	18	4	19
Bridges, tunnels, and elevated highways	53 702	(D)	(D)	(D)	(Z)	(D)	(D)	(D)
Conservation and development construction	95 789	60 527	32 179	*3 083	3	3	(Z)	48
Power and communication transmission lines, towers, and related facilities	48 001	(D)	(D)	(D)	2	(D)	(D)	(D)
Sewers, water mains, and related facilities	117 443	93 071	11 621	12 750	5	6	3	14
Sewers, sewer lines, septic systems, and related facilities	48 979	37 340	5 379	6 260	7	6	6	29
Water mains and related facilities	68 464	55 732	6 242	6 490	7	8	1	2
Blast furnaces, petroleum refineries, chemical complexes, etc.	26 100	17 859	3 271	4 969	17	11	37	24
Other nonbuilding construction	479 575	313 470	(D)	(D)	1	1	(D)	(D)
Construction work, n.s.k.	127 372	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
1987								
Value of construction work	**3 542 235**	**2 574 333**	**586 002**	**252 296**	**3**	**4**	**5**	**3**
Building construction	2 384 003	1 829 795	384 050	150 861	4	5	8	4
Single-family houses	893 397	758 895	87 609	46 891	4	5	9	8
Single-family houses, detached	698 922	580 165	81 259	37 498	4	5	10	10
Single-family houses, attached, including townhouses and townhouse-type condominiums	194 475	178 730	6 350	9 393	11	12	11	15
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	197 057	175 055	10 776	11 225	30	33	9	14
Other residential buildings, including hotels, motels, and tourist cabins	281 604	204 941	59 486	17 176	2	2	5	6
Office buildings	203 341	155 382	34 325	13 633	4	5	6	9
Other commercial buildings such as stores, restaurants, and automobile service stations	339 083	225 387	89 651	24 043	14	17	29	10
Industrial buildings and warehouses	258 876	200 120	40 979	17 776	4	4	5	7
Industrial buildings	148 699	107 657	27 682	13 359	5	6	6	7
Warehouses	110 177	92 463	13 297	4 417	5	6	7	12
Educational buildings	67 633	40 301	21 879	5 452	5	7	7	13
Hospitals and institutional buildings	49 697	25 016	21 943	2 737	11	6	22	12
Amusement, social, and recreational buildings, indoors	39 406	35 744	1 123	2 539	2	1	13	15
Other nonresidential buildings	53 903	27 923	16 273	9 704	(NA)	(NA)	(NA)	(NA)
Nonbuilding construction	1 028 628	725 563	201 952	101 112	2	2	2	3
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	255 444	137 503	98 364	19 576	1	1	(Z)	3
Outdoor swimming pools	17 165	16 725	*260	179	17	17	50	8
Fencing	9 876	7 747	903	1 226	9	10	21	2
Conservation and development construction	4 715	1 441	2 544	729	21	39	28	19
Power and communication transmission lines, towers, and related facilities	79 962	66 353	5 360	8 249	17	15	37	18
Sewers, water mains, and related facilities	74 398	58 735	12 990	2 672	5	6	5	18
Sewers, sewer lines, septic systems, and related facilities	34 035	26 237	6 511	1 286	5	6	6	23
Water mains and related facilities	40 363	32 498	6 479	1 386	8	9	5	18
Other nonbuilding construction	587 068	437 059	83 901	68 923	(NA)	(NA)	(NA)	(NA)
Construction work, n.s.k.	129 604	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

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

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:42:42 EPCV23 TLP:J_EV_AREATAB.TLP;10 3/ 25/ 96 13:41:33 DATA:J_EV_T1_32.TXT;2 3/ 25/ 96 13:33:02 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 7
TSF:TIPS92-13421051.DAT;1 3/ 25/ 96 13:42:13 UTF:TIPS93-13421051.DAT;1 3/ 25/ 96 13:42:13 META:TIPS96-13421051.DAT;1 3/ 25/ 96 13:42:35

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
15, 16, 17	**Construction industries**	**3 311**	**31 415**	**29 318**	**31 151**	**33 081**	**32 112**	**1**	**1**	**1**	**1**	**1**	**1**
15	**Building construction—General contractors and operative builders:**												
152	General contractors, residential buildings:												
1521	Single-family houses	507	1 964	1 910	1 922	2 033	1 993	7	7	7	6	8	7
1522	Other residential buildings	59	702	591	658	791	769	23	7	8	9	6	5
1531	Operative builders	184	853	889	935	846	743	13	6	5	5	6	8
154	General contractors, nonresidential buildings:												
1541	Industrial buildings and warehouses	18	221	250	203	231	200	22	16	18	17	15	16
1542	Nonresidential buildings, n.e.c.	226	1 590	1 505	1 482	1 638	1 735	12	6	8	7	6	7
16	**Heavy construction other than building construction—contractors:**												
1611	Highway and street construction	72	1 353	998	1 457	1 533	1 425	20	5	5	7	5	4
162	Heavy construction, except highway:												
1622	Bridge, tunnel, and elevated highway construction	1	(D)	(D)	(D)	(D)	(D)	(Z)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines	53	939	895	959	1 006	895	18	4	4	4	5	3
1629	Heavy construction, n.e.c.	83	3 631	3 613	3 658	3 818	3 436	15	3	2	3	3	4
17	**Special trade contractors:**												
1711	Plumbing, heating, and air-conditioning	370	3 070	2 736	2 930	3 202	3 413	4	2	3	2	2	3
1721	Painting and paper hanging	140	641	573	643	825	525	11	9	10	9	14	9
1731	Electrical work	305	2 781	2 510	2 511	2 911	3 191	3	3	3	3	3	3
174	Masonry, stonework, tile setting, and plastering:												
1741	Masonry, stone setting, and other stonework	109	1 263	1 258	1 369	1 256	1 168	12	5	5	4	6	5
1742	Plastering, drywall, and insulation work	176	2 965	2 884	2 774	3 007	3 194	7	4	5	4	4	3
1743	Terrazzo, tile, marble, and mosaic work	67	542	512	514	591	553	4	12	12	12	13	14
175	Carpentry and floor work:												
1751	Carpentry	181	2 138	2 037	2 365	2 019	2 129	11	5	5	5	5	5
1752	Floor laying and other floor work	54	319	315	335	338	288	12	21	20	22	23	19
1761	Roofing, siding, and sheet metal work	94	982	932	963	1 033	1 002	6	7	7	6	7	7
1771	Concrete work	192	2 352	2 224	2 360	2 512	2 310	7	5	5	5	5	5
1781	Water well drilling	32	181	195	198	188	142	27	15	14	14	14	19
179	Miscellaneous special trade contractors:												
1791	Structural steel erection	28	557	413	514	676	628	18	3	5	3	2	3
1793	Glass and glazing work	47	276	209	288	297	311	5	9	7	8	9	9
1794	Excavation work	92	713	628	694	805	723	12	12	12	11	13	15
1795	Wrecking and demolition work	1	(D)	(D)	(D)	(D)	(D)	(Z)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	17	219	174	181	253	267	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
1799	Special trade contractors, n.e.c.	205	(D)	(D)	(D)	(D)	(D)	11	(D)	(D)	(D)	(D)	(D)

[1]Construction workers during pay periods including 12th of March, May, August, and November.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:42:42 EPCV23 TLP:J_EV_AREATAB.TLP;10 3/ 25/ 96 13:41:33 DATA:J_EV_T1_32.TXT;2 3/ 25/ 96 13:33:02 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 8
TSF:TIPS92-13421051.DAT;1 3/ 25/ 96 13:42:13 UTF:TIPS93-13421051.DAT;1 3/ 25/ 96 13:42:13 META:TIPS96-13421051.DAT;1 3/ 25/ 96 13:42:35

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 subcontracted out to others	Value of construction work subcontracted in from others	Rental cost for machinery, equipment, and buildings
15, 16, 17	**Construction industries**	**12.4**	**28.4**	**165.6**	**.224**	**.294**	**.281**	**.340**	**.017**
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	5.1	22.4	258.5	.115	.207	.513	.026	.012
1522	Other residential buildings	15.0	35.9	409.5	.110	.188	.635	.026	.006
1531	Operative builders	10.3	28.1	817.5	.076	.265	.481	.004	.004
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	17.0	27.5	336.3	.114	.253	.527	*.040	.005
1542	Nonresidential buildings, n.e.c.	9.8	30.7	376.3	.113	.158	.620	.043	.011
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	22.7	34.1	172.0	.240	.385	.130	.223	.039
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines	22.1	33.7	152.1	.275	.334	.102	.284	.032
1629	Heavy construction, n.e.c.	71.0	37.5	158.3	.382	.244	.112	(D)	.032
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	10.8	29.8	132.7	.292	.417	.057	.785	.017
1721	Painting and paper hanging	5.7	20.8	70.9	.365	.312	.039	.647	.010
1731	Electrical work	11.6	27.3	112.8	.310	.357	.101	.876	.016
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	13.5	18.5	(D)	(D)	(D)	(D)	(D)	(D)
1742	Plastering, drywall, and insulation work	19.1	23.8	69.3	.390	.342	.069	.849	.014
1743	Terrazzo, tile, marble, and mosaic work	9.8	25.6	86.4	.357	.431	*.063	.875	.012
175	Carpentry and floor work:								
1751	Carpentry	13.6	23.5	93.3	.290	.438	.027	.669	.018
1752	Floor laying and other floor work	7.5	21.7	100.7	.271	(S)	(S)	(S)	(S)
1761	Roofing, siding, and sheet metal work	12.5	24.5	118.6	.247	.379	.074	.797	.010
1771	Concrete work	13.7	28.6	111.5	.288	.379	.121	.751	.036
1781	Water well drilling	6.7	23.9	122.9	.229	(D)	.019	.092	.025
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	24.1	34.7	135.4	.305	(D)	.068	(S)	.017
1793	Glass and glazing work	8.7	24.8	137.9	.267	.506	.005	.753	.024
1794	Excavation work	9.3	23.9	109.3	.262	.247	.163	.819	.050
1795	Wrecking and demolition work	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	16.8	32.7	187.0	.228	.398	.005	.291	.015
1799	Special trade contractors, n.e.c.	(D)	(D)	(D)	(D)	(D)	(D)	.433	(D)

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

[Not applicable]

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:42:42 EPCV23 TLP:J_EV_AREATAB.TLP;10 3/ 25/ 96 13:41:33 DATA:J_EV_T1_32.TXT;2 3/ 25/ 96 13:33:02 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 9
TSF:TIPS92-13421051.DAT;1 3/ 25/ 96 13:42:13 UTF:TIPS93-13421051.DAT;1 3/ 25/ 96 13:42:13 META:TIPS96-13421051.DAT;1 3/ 25/ 96 13:42:35

Contents
New Mexico

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

Page

Summary of Findings 2

FIGURES

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

TABLES

Statistics for Establishments With and Without Payroll

1. Summary Statistics by Industry: 1992 and 1987 5

Statistics for Establishments With Payroll

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

-- Not applicable for this report.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:44:48 EPCV23 TLP:J_EV_FINAL.TLP;6 3/ 25/ 96 13:44:33 DATA:J_EV_T1_35.TXT;2 3/ 25/ 96 13:33:11 UPF:CON_CENPROD:[CEN.DATA]J_EV_A PAGE: 1
TSF:TIPS92-13443454.DAT;1 3/ 25/ 96 13:44:37 UTF:TIPS93-13443454.DAT;1 3/ 25/ 96 13:44:37 META:TIPS96-13443454.DAT;1 3/ 25/ 96 13:44:46

Summary of Findings

This report provides results from the 1992 Census of Construction Industries for New Mexico. 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 10,468 establishments in this State operating in the construction industries. These establishments accounted for $3.0 billion in total dollar value of business done.

Most of the 10,468 construction establishments were small. Of the total, 6,467 were nonemployers, and over half of the employer establishments had less than 5 employees. The 1,432 construction establishments with 5 employees or more, while representing only 14 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 $2.83 billion in total dollar value of business done. Of this amount, $2.79 billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to $639 million, leaving net value of construction work of $2.2 billion. In addition, these establishments paid out $981 million for the cost of materials, fuels, power, rental of equipment and buildings, and the cost of selected purchased services. Value added for 1992 was $1.3 billion. (See Introduction and appendixes for explanation of terms.)

There were 4,001 establishments with total employment averaging 30,888 during the year. Total payroll for 1992 was $610 million.

The data in this report covering establishments with payroll were obtained from a sample survey. A construction establishment is defined as a relatively permanent office, or other place of business, where the usual business activities related to construction are conducted. A separate census report was required from each sample establishment covering domestic operations. Separate reports were not required for each project or construction site.

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

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

ESTABLISHMENTS WITHOUT PAYROLL

During 1992, there were 6,467 establishments with no payroll classified as construction. According to administrative records of the Federal Government, their dollar value of business done during 1992 was $184 million. Most of these establishments, about 78 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.

[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.

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

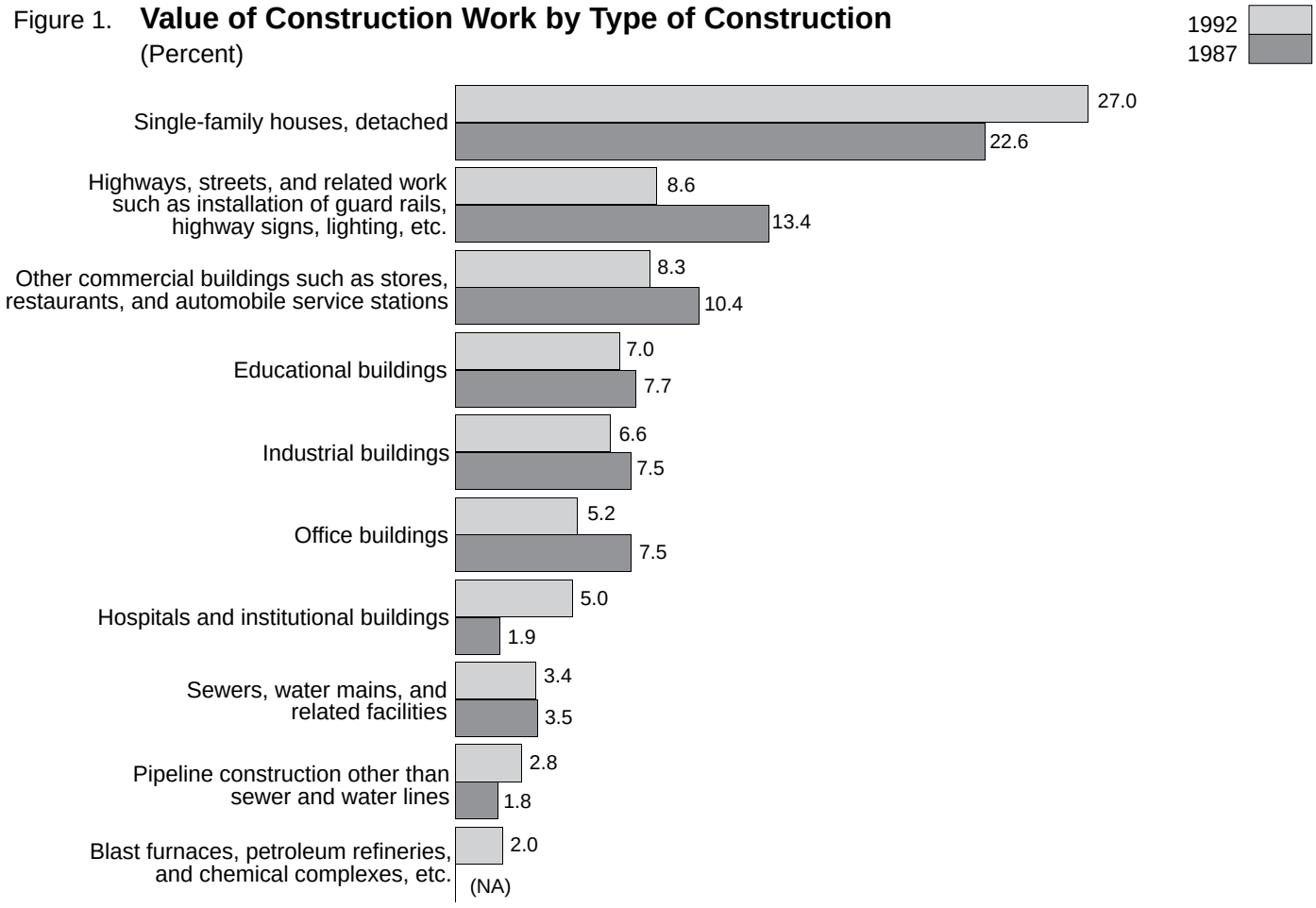


Figure 2. **Selected Costs per Dollar Value of Business Done**
(Percent)

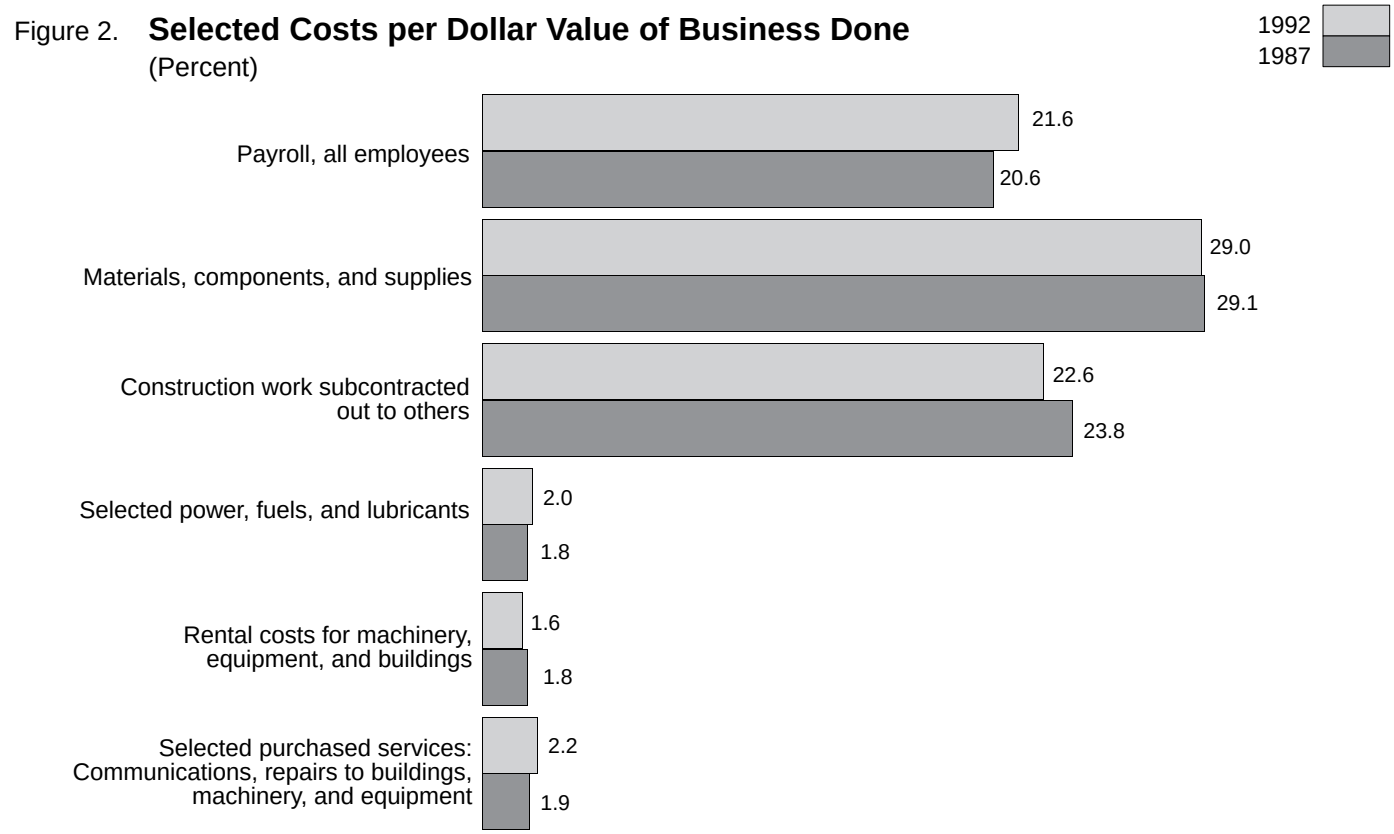


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1992 and 1987

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

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done[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	K
	1992													
15, 16, 17	**Construction industries**	**10 468**	**8 628**	**30 888**	**3 009 254**	**6 467**	**6 323**	**184 185**	**4 001**	**2 305**	**30 888**	**2 825 069**	**1**	**2**
15	**Building construction—General contractors and operative builders**	**2 703**	**2 014**	**8 520**	**1 335 135**	**1 232**	**1 145**	**81 215**	**1 471**	**869**	**8 520**	**1 253 920**	**3**	**3**
16	**Heavy construction other than building construction— contractors**	**425**	**265**	**6 291**	**524 370**	**176**	**169**	**3 783**	**249**	**96**	**6 291**	**520 587**	**3**	**3**
17	**Special trade contractors**	**7 340**	**6 349**	**16 076**	**1 149 748**	**5 059**	**5 009**	**99 187**	**2 281**	**1 340**	**16 076**	**1 050 561**	**2**	**2**
1711	Plumbing, heating, and air-conditioning	1 037	807	3 309	264 517	539	528	15 793	498	279	3 309	248 724	5	5
1731	Electrical work	997	724	3 996	318 880	479	476	11 099	518	248	3 996	307 781	3	3
	1987													
15, 16, 17	**Construction industries[2]**	**10 789**	**8 165**	**29 139**	**2 787 666**	**7 082**	**7 042**	**362 027**	**3 707**	**1 123**	**29 139**	**2 425 639**	**2**	**2**
15	**Building construction—General contractors and operative builders**	**3 023**	**1 956**	**7 787**	**1 114 703**	**1 761**	**1 646**	**144 865**	**1 262**	**310**	**7 787**	**969 838**	**4**	**4**
16	**Heavy construction other than building construction— contractors**	**381**	**188**	**6 407**	**587 987**	**130**	**128**	**11 597**	**251**	**60**	**6 407**	**576 390**	**2**	**2**
17	**Special trade contractors**	**6 988**	**5 627**	**14 803**	**1 005 223**	**4 859**	**4 889**	**134 302**	**2 129**	**738**	**14 803**	**870 921**	**2**	**2**
1711	Plumbing, heating, and air-conditioning	1 046	739	3 276	233 205	535	542	21 034	511	197	3 276	212 171	4	4
1731	Electrical work	890	572	2 805	226 289	478	477	16 936	412	95	2 805	209 353	4	3

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

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:44:24 EPCV23 TLP:J_EV_AREATAB.TLP;12 3/ 25/ 96 13:43:21 DATA:J_EV_T1_35.TXT;2 3/ 25/ 96 13:33:11 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 1
TSF:TIPS92-13435374.DAT;1 3/ 25/ 96 13:43:56 UTF:TIPS93-13435374.DAT;1 3/ 25/ 96 13:43:56 META:TIPS96-13435374.DAT;1 3/ 25/ 96 13:44:17

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							
			Employees**		Payroll				
		Number of establishments	All	Construction workers	All employees	Construction workers	Value of construction work	Net value of construction work†	Value added††
		A	B	C	D	E	F	G	H
15, 16, 17	**Construction industries**[1]	**4 001**	**30 888**	**24 969**	**609 996**	**442 039**	**2 789 755**	**2 150 479**	**1 312 024**
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	1 015	3 507	2 742	50 318	36 002	328 529	239 275	129 194
1522	Other residential buildings	28	*134	93	1 734	1 332	11 012	7 687	3 137
1531	Operative builders	125	666	386	16 612	6 609	230 697	140 508	97 650
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	70	493	386	9 622	6 869	32 408	20 974	11 239
1542	Nonresidential buildings, n.e.c.	233	3 721	2 819	99 838	64 210	633 549	338 185	200 940
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	51	2 160	1 885	48 647	33 943	214 925	178 548	101 537
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	(S)	127	118	(D)	2 195	18 551	(D)	(D)
1623	Water, sewer, and utility lines	80	2 813	2 469	64 518	50 683	198 271	175 257	128 495
1629	Heavy construction, n.e.c.	112	1 191	1 001	23 128	17 331	84 336	74 503	52 120
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	498	3 309	2 538	65 217	46 890	243 865	217 524	127 581
1721	Painting and paper hanging	158	583	511	8 313	6 846	24 508	23 849	16 788
1731	Electrical work	518	3 996	3 128	89 972	66 719	305 644	281 972	171 784
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	108	761	692	9 976	(D)	(D)	32 959	20 541
1742	Plastering, drywall, and insulation work	169	1 566	1 347	24 788	20 397	68 582	65 307	41 432
1743	Terrazzo, tile, marble, and mosaic work	33	100	(S)	1 460	1 155	6 208	6 070	3 255
175	Carpentry and floor work:								
1751	Carpentry	139	752	632	11 253	9 218	46 895	39 431	23 060
1752	Floor laying and other floor work	56	155	125	2 478	1 961	13 717	12 912	6 448
1761	Roofing, siding, and sheet metal work	141	1 160	969	17 616	13 465	66 336	64 137	37 631
1771	Concrete work	139	998	835	16 505	12 850	62 044	57 881	32 309
1781	Water well drilling	55	165	138	3 237	2 614	13 417	13 285	7 300
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	23	396	347	7 070	5 607	20 933	20 457	10 795
1793	Glass and glazing work	31	101	79	2 152	1 468	8 938	(D)	4 491
1794	Excavation work	60	495	420	7 799	6 585	29 938	28 378	19 670
1795	Wrecking and demolition work	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	16	314	263	5 191	3 991	14 103	(D)	9 172
1799	Special trade contractors, n.e.c.	136	(D)	(D)	18 779	13 234	74 767	71 457	45 519

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

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:44:24 EPCV23 TLP:J_EV_AREATAB.TLP;12 3/ 25/ 96 13:43:21 DATA:J_EV_T1_35.TXT;2 3/ 25/ 96 13:33:11 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 2
TSF:TIPS92-13435374.DAT;1 3/ 25/ 96 13:43:56 UTF:TIPS93-13435374.DAT;1 3/ 25/ 96 13:43:56 META:TIPS96-13435374.DAT;1 3/ 25/ 96 13:44:17

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 contruction 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	
873 768	**639 276**	**749 421**	**44 789**	**58 489**	**495 259**	**29 139**	**2 347 300**	**1 071 100**	**1**	**1**	**7**	**15, 16, 17**
												15
												152
119 772	89 254	9 579	2 475	5 835	41 774	3 035	213 351	81 416	7	8	20	1521
*4 745	*3 325	(S)	*114	(S)	(S)	(S)	(S)	(S)	40	35	(S)	1522
47 374	90 189	148	*615	832	*6 925	925	152 276	42 561	12	9	24	1531
												154
(D)	11 433	*5 017	(S)	*740	6 417	643	77 820	25 675	22	18	46	1541
139 676	295 364	19 916	5 891	3 616	35 593	3 100	471 352	139 220	5	3	26	1542
												16
78 701	36 377	19 469	5 275	10 484	128 640	2 744	291 476	137 171	3	2	9	1611
												162
7 306	(D)	*4 075	–	62	2 693	513	(D)	25 315	22	(D)	18	1622
49 525	23 014	28 277	11 501	7 270	73 310	1 820	136 787	82 101	5	5	9	1623
22 433	*9 833	*21 563	2 093	*7 220	28 504	1 330	91 129	46 804	13	14	45	1629
												17
94 802	26 341	165 345	3 843	4 535	29 435	3 276	205 093	111 772	5	5	18	1711
7 085	658	16 453	331	441	2 755	814	31 799	21 068	8	8	21	1721
112 325	23 673	164 649	3 653	5 833	42 007	2 805	207 144	109 824	3	3	14	1731
												174
(D)	(D)	23 661	465	(D)	4 071	728	30 776	18 718	15	13	(D)	1741
24 108	*3 276	60 666	800	1 116	7 625	1 801	83 570	51 118	15	15	23	1742
2 815	138	5 986	48	(S)	472	143	7 783	5 041	21	7	(S)	1743
												175
16 553	(S)	(S)	(S)	*802	3 030	419	17 146	6 523	15	14	50	1751
6 546	806	9 806	256	611	2 201	156	12 251	4 291	13	15	5	1752
27 245	2 199	34 577	1 013	844	12 274	1 518	89 298	53 825	8	7	28	1761
25 572	4 163	48 227	1 171	2 135	15 151	1 339	74 546	41 571	11	8	26	1771
6 193	132	5 420	123	311	9 527	191	10 787	6 278	12	11	30	1781
												179
10 094	477	10 214	521	1 215	*8 296	174	6 637	4 736	21	13	11	1791
4 457	(D)	6 316	215	55	1 490	131	8 543	5 118	15	(D)	(Z)	1793
*9 733	(S)	*9 266	*912	*1 172	*11 631	225	10 979	9 236	26	18	69	1794
633	(D)	1 435	(D)	(D)	(D)	93	4 542	3 480	(D)	(D)	(D)	1795
4 518	(D)	7 577	187	*148	2 473	49	5 082	3 933	11	(D)	59	1796
28 010	3 310	37 903	(D)	2 441	(D)	941	37 849	23 986	(D)	15	34	1799

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:44:24 EPCV23 TLP:J_EV_AREATAB.TLP;12 3/ 25/ 96 13:43:21 DATA:J_EV_T1_35.TXT;2 3/ 25/ 96 13:33:11 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 3
TSF:TIPS92-13435374.DAT;1 3/ 25/ 96 13:43:56 UTF:TIPS93-13435374.DAT;1 3/ 25/ 96 13:43:56 META:TIPS96-13435374.DAT;1 3/ 25/ 96 13:44:17

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					Relative standard error of estimate (percent)			
	1992	1987	1982	1977	1992	1987	1982	1977
Number of establishments in business during year	4 001	3 707	3 496	3 375	1	2	3	4
Proprietors and working partners	2 305	1 123	1 438	2 270	3	7	5	7
All employees**	30 888	29 139	30 390	30 032	1	2	2	2
Construction workers:								
March	22 788	21 575	23 785	23 801	2	2	2	2
May	25 179	23 484	24 551	26 469	2	2	2	2
August	26 999	25 287	26 424	27 201	2	2	2	2
November	24 910	22 588	24 531	26 942	2	2	2	2
Average	24 969	23 233	25 156	26 121	2	2	2	2
Other employees:								
March	5 876	5 862	5 040	3 820	2	2	3	3
May	5 823	5 931	(NA)	(NA)	2	3	(NA)	(NA)
August	5 960	6 054	(NA)	(NA)	2	2	(NA)	(NA)
November	6 016	5 775	(NA)	(NA)	2	2	(NA)	(NA)
Average	5 919	5 905	(NA)	(NA)	2	2	(NA)	(NA)
Payroll, all employees	609 996	499 966	453 335	306 872	1	1	1	1
Payroll, construction workers	442 039	370 116	359 365	252 822	1	1	2	1
Payroll, other employees	167 957	129 849	93 970	54 050	2	2	2	2
First quarter payroll, all employees	134 127	111 562	101 131	65 576	2	2	2	1
Fringe benefits, all employees	138 567	108 448	84 528	54 125	2	2	2	1
Legally required expenditures	104 570	78 707	60 922	34 508	2	2	2	1
Voluntary expenditures	33 998	29 741	23 605	19 616	3	2	2	1
Dollar value of business done	2 825 069	2 425 639	1 823 933	1 228 220	2	2	2	2
Value of construction work	2 789 755	2 347 300	1 734 554	1 180 749	2	2	2	2
Value of construction work subcontracted in from others	749 421	575 128	415 535	297 198	4	3	3	3
Other business receipts	35 313	50 172	71 330	47 471	11	9	3	4
Net value of construction†	2 150 479	1 769 937	1 360 448	963 978	1	2	2	2
Value added††	1 312 024	1 071 100	846 845	555 831	1	2	2	2
Selected costs	1 513 044	1 326 372	959 039	653 519	3	2	2	2
Materials, components, and supplies	818 509	705 932	537 369	396 499	2	2	2	2
Construction work subcontracted out to others	639 276	577 363	374 105	216 771	5	3	3	3
Selected power, fuels, and lubricants	55 259	43 076	47 563	40 248	2	2	2	1
Electricity	7 365	5 076	4 835	9 032	7	3	4	1
Natural gas	2 893	2 263	2 794	5 886	11	3	5	1
Gasoline and diesel fuel	41 304	31 641	37 146	21 391	2	2	2	2
On highway use	28 105	22 312	(NA)	(NA)	2	2	(NA)	(NA)
Off highway use	13 198	9 329	(NA)	(NA)	3	3	(NA)	(NA)
Other, including lubricating oils and greases	3 698	4 095	2 787	3 940	4	4	5	4
Rental cost for machinery, equipment, and buildings	44 789	43 671	31 043	17 331	3	3	3	2
For machinery and equipment	32 673	30 178	24 783	14 154	4	4	3	2
For buildings	12 115	13 493	6 259	3 177	7	4	5	6
Selected purchased services	62 286	45 965	43 165	37 284	6	3	2	2
Communication services	14 588	10 092	9 531	5 076	5	3	3	3
Repairs to buildings and other structures	3 645	2 610	1 795	1 775	7	15	6	15
Repairs to machinery and equipment	44 052	33 263	31 839	30 433	7	3	2	1
Ownership of construction projects:								
Value of construction work	2 789 755	2 347 300	1 734 554	1 180 749	2	2	2	2
Government owned	974 139	858 817	509 711	367 665	4	4	3	1
Federal	373 681	343 123	(NA)	(NA)	7	4	(NA)	(NA)
State and local	600 458	515 693	(NA)	(NA)	5	5	(NA)	(NA)
Privately owned	1 815 616	1 488 482	1 224 842	813 084	5	3	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 Finance, Insurance, and Real Estate Industries.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:44:24 EPCV23 TLP:J_EV_AREATAB.TLP;12 3/ 25/ 96 13:43:21 DATA:J_EV_T1_35.TXT;2 3/ 25/ 96 13:33:11 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 4
TSF:TIPS92-13435374.DAT;1 3/ 25/ 96 13:43:56 UTF:TIPS93-13435374.DAT;1 3/ 25/ 96 13:43:56 META:TIPS96-13435374.DAT;1 3/ 25/ 96 13:44:17

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	476 638	386 825	4	3
Capital expenditures, other than land	58 489	35 992	7	4
New	40 351	23 260	5	4
Used	18 138	12 731	19	8
Retirements and disposition of depreciable assets	(S)	30 357	(S)	7
End-of-year gross book value of depreciable assets	495 259	392 459	4	3
Depreciation charges during year	47 990	45 104	5	3
Buildings and Other Structures, Additions, and Related Facilities				
Beginning-of-year gross book value of depreciable assets	77 466	63 703	12	9
Capital expenditures, other than land	3 971	5 362	21	12
New buildings and other structures	3 319	2 160	24	11
Used buildings and other structures	652	3 201	23	19
Retirements and disposition of depreciable assets	(S)	2 342	(S)	17
End-of-year gross book value of depreciable assets	62 613	66 722	15	9
Depreciation charges during year	5 240	6 066	7	17
Machinery and Equipment				
Beginning-of-year gross book value of depreciable assets	399 172	323 121	4	3
Capital expenditures, other than land	54 518	30 630	7	4
New machinery and equipment, including automobiles and trucks	37 032	21 099	5	4
New automobiles and trucks, intended primarily for highway use	18 535	11 089	9	6
Used machinery and equipment, including automobiles and trucks	17 487	9 530	19	9
Retirements and disposition of depreciable assets	21 044	28 015	12	7
End-of-year gross book value of depreciable assets	432 646	325 736	3	3
Depreciation charges during year	42 750	39 038	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 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	4 001	1
Value of construction work	2 789 755	2
Establishments with inventories:		
Number	1 268	4
Value of construction work	1 087 716	2
Inventories[1]:		
End of 1992, materials and supplies	32 160	10
End of 1991, materials and supplies	30 807	10
Establishments with no inventories:		
Number	1 534	4
Value of construction work	1 221 176	3
Establishments not reporting:		
Number	1 199	4
Value of construction work	480 864	4

[1]Inventories at cost or market prior to any adjustment to correct to LIFO values.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:44:24 EPCV23 TLP:J_EV_AREATAB.TLP;12 3/ 25/ 96 13:43:21 DATA:J_EV_T1_35.TXT;2 3/ 25/ 96 13:33:11 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 5
TSF:TIPS92-13435374.DAT;1 3/ 25/ 96 13:43:56 UTF:TIPS93-13435374.DAT;1 3/ 25/ 96 13:43:56 META:TIPS96-13435374.DAT;1 3/ 25/ 96 13:44:17

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	4 001	2 569	702	434	215	53	22	5	1	–
All employees**	30 888	4 844	4 431	5 866	6 487	3 562	3 212	2 486	(D)	–
Payroll, all employees	609 996	63 852	69 184	104 887	142 723	78 029	77 321	74 001	(D)	–
Dollar value of business done	2 825 069	410 949	344 175	486 185	657 536	315 140	348 161	262 923	(D)	–
Value of construction work	2 789 755	404 579	337 838	480 976	646 383	311 780	345 276	262 923	(D)	–
Net value of construction work†	2 150 479	328 295	273 618	353 454	496 246	237 923	231 692	229 251	(D)	–
Value added††	1 312 024	179 084	155 154	219 756	308 836	144 649	137 449	167 097	(D)	–
Cost of materials, components, supplies, and fuels	873 768	155 581	124 801	138 907	198 563	96 634	97 128	62 154	(D)	–
Cost of construction work subcontracted out to others	639 276	76 284	64 220	127 522	150 137	73 857	113 584	33 672	(D)	–
Rental cost for machinery, equipment, and buildings	44 789	4 856	3 901	6 223	10 777	7 745	6 514	4 772	(D)	–
Capital expenditures, other than land	58 489	6 960	7 230	12 972	14 233	5 343	7 965	3 785	(D)	–
End-of-year gross book value of depreciable assets	495 259	49 197	54 787	76 475	107 158	61 926	88 682	57 035	(D)	–
1987										
All employees**	29 139	(S)	4 692	5 306	6 931	3 576	2 983	1 423	–	–
Value of construction work	2 347 300	(S)	330 750	368 111	565 110	330 687	306 825	123 309	–	–
Value added††	1 071 100	(S)	159 349	169 943	254 189	158 406	125 375	60 378	–	–
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	5	8	8	4	(Z)	(Z)	(Z)	(D)	–
Net value of construction work†	1	7	9	8	3	(Z)	(Z)	(Z)	(D)	–
Capital expenditures, other than land	7	17	19	24	6	(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 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	4 001	(S)	(S)	601	1 115	646	482	304	111	44	38
All employees**	30 888	(S)	(S)	1 024	3 445	3 438	5 108	5 421	3 613	2 701	5 580
Payroll, all employees	609 996	(S)	(S)	9 433	41 509	50 292	82 700	109 184	87 593	66 979	157 903
Dollar value of business done	2 825 069	(S)	(S)	43 022	180 022	226 937	341 130	471 136	378 819	292 543	875 284
Value of construction work	2 789 755	(S)	(S)	42 572	177 418	225 498	334 874	464 648	368 972	291 352	868 398
Net value of construction work†	2 150 479	(S)	(S)	37 721	159 534	192 706	284 183	389 442	281 300	208 532	582 513
Value added††	1 312 024	(S)	(S)	22 440	94 650	114 369	169 701	221 778	171 565	128 578	380 523
Cost of materials, components, supplies, and fuels	873 768	(S)	(S)	15 731	67 488	79 777	120 739	174 152	119 581	81 145	208 876
Cost of construction work subcontracted out to others	639 276	(S)	(S)	4 850	17 884	32 791	50 691	75 206	87 673	82 820	285 885
Rental cost for machinery, equipment, and buildings	44 789	(S)	(S)	(S)	3 060	2 476	3 498	8 174	7 163	7 951	11 695
Capital expenditures, other than land	58 489	(S)	(S)	(S)	4 398	4 029	10 576	12 694	9 153	4 045	11 833
End-of-year gross book value of depreciable assets	495 259	(S)	(S)	8 947	31 059	31 954	65 170	78 582	79 640	44 084	153 093
1987											
All employees**	29 139	(S)	(S)	(S)	(S)	(S)	4 010	6 329	3 588	2 344	4 024
Value of construction work	2 347 300	(S)	(S)	(S)	(S)	(S)	254 756	490 206	328 941	295 859	560 945
Value added††	1 071 100	(S)	(S)	(S)	(S)	(S)	134 543	226 094	156 912	128 018	205 455
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	1	(S)	(S)	12	9	10	9	6	3	1	(Z)
Net value of construction work†	1	(S)	(S)	10	7	9	9	7	4	4	1
Capital expenditures, other than land	7	(S)	(S)	(S)	21	25	30	10	8	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 Finance, Insurance, and Real Estate Industries.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:44:24 EPCV23 TLP:J_EV_AREATAB.TLP;12 3/ 25/ 96 13:43:21 DATA:J_EV_T1_35.TXT;2 3/ 25/ 96 13:33:11 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 6
TSF:TIPS92-13435374.DAT;1 3/ 25/ 96 13:43:56 UTF:TIPS93-13435374.DAT;1 3/ 25/ 96 13:43:56 META:TIPS96-13435374.DAT;1 3/ 25/ 96 13:44:17

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

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

Type of construction	Value of construction work				Relative standard error of estimate (percent) for column—			
	Total	New construction	Additions, alterations, or reconstruction	Maintenance and repair				
	A	B	C	D	A	B	C	D
1992								
Value of construction work	**2 789 755**	**1 749 705**	**634 894**	**261 913**	**2**	**3**	**3**	**4**
Building construction	1 903 200	1 336 370	407 583	159 246	2	3	4	5
Single-family houses	796 570	626 404	105 705	64 461	5	7	6	10
Single-family houses, detached	752 879	596 106	99 055	57 718	6	7	7	11
Single-family houses, attached, including townhouses and townhouse-type condominiums	43 691	30 298	6 651	6 742	14	18	14	17
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	38 922	27 974	5 060	5 888	10	14	12	12
Other residential buildings, including hotels, motels, and tourist cabins	20 818	11 448	*4 346	5 024	19	27	41	37
Office buildings	145 655	75 561	55 249	14 845	7	6	14	6
Other commercial buildings such as stores, restaurants, and automobile service stations	231 525	154 872	51 937	24 716	6	8	11	11
Industrial buildings and warehouses	212 268	135 505	52 572	24 191	3	4	5	13
Industrial buildings	184 495	115 888	46 613	21 993	3	3	6	13
Warehouses	27 773	19 617	(S)	2 197	9	11	(S)	25
Religious buildings	24 241	14 001	7 327	2 913	8	6	22	20
Educational buildings	194 638	127 715	60 433	6 491	5	5	10	11
Hospitals and institutional buildings	140 216	96 225	37 550	6 441	4	4	6	16
Other nonresidential buildings	98 347	66 667	27 404	4 277	7	7	14	23
Nonbuilding construction	743 311	413 334	227 310	102 667	2	3	5	5
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	238 794	107 483	105 030	26 281	3	4	5	13
Fencing	24 089	17 875	(D)	(D)	28	28	(D)	(D)
Conservation and development construction	14 527	*11 608	(D)	(D)	32	40	(D)	(D)
Power and communication transmission lines, towers, and related facilities	54 035	(S)	15 227	7 590	9	(S)	7	15
Sewers, water mains, and related facilities	94 579	59 897	22 067	12 614	8	10	19	11
Sewers, sewer lines, septic systems, and related facilities	49 715	27 855	14 123	7 738	10	8	30	17
Water mains and related facilities	44 864	32 043	7 945	4 876	11	16	10	8
Pipeline construction other than sewer or water lines	77 972	48 243	13 780	15 949	3	4	3	3
Blast furnaces, petroleum refineries, chemical complexes, etc.	56 084	47 968	*1 765	6 351	4	4	49	7
Oilfields	20 195	13 360	*1 862	*4 972	27	23	49	48
Other nonbuilding construction	163 038	75 682	62 348	25 008	6	5	12	7
Construction work, n.s.k.	143 244	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
1987								
Value of construction work	**2 347 300**	**1 552 807**	**458 052**	**238 692**	**2**	**3**	**3**	**4**
Building construction	1 589 549	1 161 613	305 861	120 217	3	4	4	4
Single-family houses	574 231	455 460	74 789	43 982	5	6	7	8
Single-family houses, detached	531 216	421 145	68 996	41 073	5	7	7	8
Single-family houses, attached, including townhouses and townhouse-type condominiums	43 015	34 315	5 793	2 909	13	14	28	12
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	51 583	38 530	5 302	7 751	8	10	11	17
Other residential buildings, including hotels, motels, and tourist cabins	41 030	29 271	5 660	6 097	18	24	19	18
Office buildings	177 046	114 115	47 670	15 260	9	13	8	7
Other commercial buildings such as stores, restaurants, and automobile service stations	244 229	175 071	49 583	19 574	6	7	10	9
Industrial buildings and warehouses	203 527	147 001	42 154	14 371	5	7	7	5
Industrial buildings	175 069	124 092	38 374	12 602	6	8	8	6
Warehouses	28 458	22 909	3 780	1 769	7	9	8	13
Religious buildings	27 886	20 132	5 370	2 383	12	16	6	15
Educational buildings	179 853	123 236	50 663	5 952	5	5	9	6
Hospitals and institutional buildings	45 697	27 460	15 194	3 042	8	5	21	9
Other nonresidential buildings	44 462	32 690	9 482	2 286	(NA)	(NA)	(NA)	(NA)
Nonbuilding construction	660 000	389 835	152 179	117 985	2	2	3	8
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	313 765	183 093	99 089	31 582	2	2	3	11
Fencing	13 429	10 984	1 111	1 333	16	17	17	14
Conservation and development construction	8 420	6 418	*313	1 689	11	8	41	16
Power and communication transmission lines, towers, and related facilities	25 286	14 920	2 415	7 950	8	6	9	18
Sewers, water mains, and related facilities	82 115	56 517	12 818	12 779	6	7	5	15
Sewers, sewer lines, septic systems, and related facilities	38 634	25 515	5 692	7 426	6	6	6	24
Water mains and related facilities	43 481	31 002	7 125	5 353	8	10	5	11
Pipeline construction other than sewer or water lines	43 063	26 618	2 104	*14 340	17	2	18	52
Oilfields	7 333	3 733	526	3 074	6	7	18	4
Other nonbuilding construction	166 589	112 580	34 418	63 978	(NA)	(NA)	(NA)	(NA)
Construction work, n.s.k.	97 749	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

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

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:44:24 EPCV23 TLP:J_EV_AREATAB.TLP;12 3/ 25/ 96 13:43:21 DATA:J_EV_T1_35.TXT;2 3/ 25/ 96 13:33:11 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 7
TSF:TIPS92-13435374.DAT;1 3/ 25/ 96 13:43:56 UTF:TIPS93-13435374.DAT;1 3/ 25/ 96 13:43:56 META:TIPS96-13435374.DAT;1 3/ 25/ 96 13:44:17

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
15, 16, 17	**Construction industries**	**4 001**	**24 969**	**22 788**	**25 179**	**26 999**	**24 910**	**1**	**2**	**2**	**2**	**2**	**2**
15	**Building construction—General contractors and operative builders:**												
152	General contractors, residential buildings:												
1521	Single-family houses	1 015	2 742	2 432	2 647	3 189	2 698	4	7	7	6	11	8
1522	Other residential buildings	28	93	78	103	89	*103	39	39	39	33	34	60
1531	Operative builders	125	386	337	392	422	392	16	16	15	16	16	17
154	General contractors, nonresidential buildings:												
1541	Industrial buildings and warehouses	70	386	340	386	370	448	28	22	24	23	25	19
1542	Nonresidential buildings, n.e.c.	233	2 819	2 526	2 770	3 154	2 826	12	5	4	6	5	5
16	**Heavy construction other than building construction—contractors:**												
1611	Highway and street construction	51	1 885	1 697	2 010	2 012	1 820	21	3	3	3	3	3
162	Heavy construction, except highway:												
1622	Bridge, tunnel, and elevated highway construction	(S)	118	124	126	111	110	(S)	19	18	22	15	20
1623	Water, sewer, and utility lines	80	2 469	2 036	2 494	2 811	2 536	18	4	5	6	5	4
1629	Heavy construction, n.e.c.	112	1 001	1 057	1 077	839	1 031	18	14	13	13	24	12
17	**Special trade contractors:**												
1711	Plumbing, heating, and air-conditioning	498	2 538	2 330	2 567	2 704	2 550	5	5	5	6	6	6
1721	Painting and paper hanging	158	511	427	516	546	558	7	8	10	9	10	10
1731	Electrical work	518	3 128	3 028	3 101	3 182	3 200	4	3	3	3	3	4
174	Masonry, stonework, tile setting, and plastering:												
1741	Masonry, stone setting, and other stonework	108	692	633	712	762	660	15	14	10	12	17	18
1742	Plastering, drywall, and insulation work	169	1 347	1 272	1 408	1 481	1 229	11	15	17	17	18	12
1743	Terrazzo, tile, marble, and mosaic work	33	(S)	(S)	75	(S)	54	23	(S)	(S)	20	(S)	(Z)
175	Carpentry and floor work:												
1751	Carpentry	139	632	667	661	651	547	13	15	16	15	15	17
1752	Floor laying and other floor work	56	125	117	114	134	134	9	16	17	17	14	15
1761	Roofing, siding, and sheet metal work	141	969	869	932	1 126	949	4	8	9	9	10	9
1771	Concrete work	139	835	756	855	860	869	12	11	12	10	12	12
1781	Water well drilling	55	138	121	132	161	139	21	12	11	10	10	11
179	Miscellaneous special trade contractors:												
1791	Structural steel erection	23	347	359	358	339	334	25	24	21	24	26	27
1793	Glass and glazing work	31	79	75	80	82	80	27	18	19	18	17	18
1794	Excavation work	60	420	353	456	453	420	18	27	21	28	28	27
1795	Wrecking and demolition work	3	(D)	(D)	(D)	(D)	(D)	(Z)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	16	263	219	239	277	315	22	12	14	13	11	10
1799	Special trade contractors, n.e.c.	136	(D)	(D)	(D)	(D)	(D)	15	(D)	(D)	(D)	(D)	(D)

[1]Construction workers during pay periods including 12th of March, May, August, and November.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:44:24 EPCV23 TLP:J_EV_AREATAB.TLP;12 3/ 25/ 96 13:43:21 DATA:J_EV_T1_35.TXT;2 3/ 25/ 96 13:33:11 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 8
TSF:TIPS92-13435374.DAT;1 3/ 25/ 96 13:43:56 UTF:TIPS93-13435374.DAT;1 3/ 25/ 96 13:43:56 META:TIPS96-13435374.DAT;1 3/ 25/ 96 13:44:17

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 subcontracted out to others	Value of construction work subcontracted in from others	Rental cost for machinery, equipment, and buildings
15, 16, 17	**Construction industries**	**7.7**	**19.7**	**111.7**	**.219**	**.313**	**.229**	**.269**	**.016**
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	3.5	14.3	119.8	.153	.365	.272	.029	.008
1522	Other residential buildings	4.8	12.9	118.4	.157	.431	.302	(S)	*.010
1531	Operative builders	5.3	24.9	597.7	.072	.205	.391	.001	.003
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	7.0	19.5	84.0	.297	(D)	.353	*.155	(S)
1542	Nonresidential buildings, n.e.c.	16.0	26.8	224.7	.158	.220	.466	.031	.009
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	42.5	22.5	114.0	.226	.366	.169	.091	.025
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	*18.1	(D)	157.2	(D)	.394	(D)	*.220	–
1623	Water, sewer, and utility lines	35.3	22.9	80.3	.325	.250	.116	.143	.058
1629	Heavy construction, n.e.c.	10.7	19.4	84.3	.274	.266	.117	*.256	.025
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	6.7	19.7	96.1	.267	.389	.108	.678	.016
1721	Painting and paper hanging	3.7	14.3	48.0	.339	.289	.027	.671	.014
1731	Electrical work	7.7	22.5	97.7	.294	.368	.077	.539	.012
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	7.0	13.1	(D)	(D)	(D)	(D)	(D)	(D)
1742	Plastering, drywall, and insulation work	9.2	15.8	50.9	.361	.352	.048	.885	.012
1743	Terrazzo, tile, marble, and mosaic work	3.0	14.6	(S)	.235	.453	.022	.964	.008
175	Carpentry and floor work:								
1751	Carpentry	5.4	15.0	74.2	.240	.353	(S)	(S)	(S)
1752	Floor laying and other floor work	2.8	16.0	109.7	.181	.477	.059	.715	.019
1761	Roofing, siding, and sheet metal work	8.2	15.2	68.5	.266	.411	.033	.521	.015
1771	Concrete work	7.2	16.5	74.3	.266	.412	.067	.777	.019
1781	Water well drilling	3.0	19.6	97.2	.241	.462	.010	.404	.009
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	17.6	17.9	60.3	.338	.482	.023	.488	.025
1793	Glass and glazing work	3.3	21.3	113.1	.241	.499	(D)	.707	.024
1794	Excavation work	8.2	15.8	71.3	.260	.325	(S)	*.309	*.030
1795	Wrecking and demolition work	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	19.6	16.5	53.6	.368	.320	(D)	.537	.013
1799	Special trade contractors, n.e.c.	(D)	(D)	(D)	.251	.375	.044	.507	(D)

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

[Not applicable]

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:44:24 EPCV23 TLP:J_EV_AREATAB.TLP;12 3/ 25/ 96 13:43:21 DATA:J_EV_T1_35.TXT;2 3/ 25/ 96 13:33:11 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 9
TSF:TIPS92-13435374.DAT;1 3/ 25/ 96 13:43:56 UTF:TIPS93-13435374.DAT;1 3/ 25/ 96 13:43:56 META:TIPS96-13435374.DAT;1 3/ 25/ 96 13:44:17

Contents
Utah

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

Page

Summary of Findings 2

FIGURES

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

TABLES

Statistics for Establishments With and Without Payroll

1. Summary Statistics by Industry: 1992 and 1987 5

Statistics for Establishments With Payroll

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

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:47:04 EPCV23 TLP:J_EV_FINAL.TLP;7 3/ 25/ 96 13:46:40 DATA:J_EV_T1_49.TXT;2 3/ 25/ 96 13:33:26 UPF:CON_CENPROD:[CEN.DATA]J_EV_A PAGE: 1
TSF:TIPS92-13464113.DAT;1 3/ 25/ 96 13:46:45 UTF:TIPS93-13464113.DAT;1 3/ 25/ 96 13:46:45 META:TIPS96-13464113.DAT;1 3/ 25/ 96 13:47:00

Summary of Findings

This report provides results from the 1992 Census of Construction Industries for Utah. 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 13,811 establishments in this State operating in the construction industries. These establishments accounted for $4.2 billion in total dollar value of business done.

Most of the 13,811 construction establishments were small. Of the total, 9,445 were nonemployers, and over half of the employer establishments had less than 5 employees. The 1,917 construction establishments with 5 employees or more, while representing only 14 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 $3.9 billion in total dollar value of business done. Of this amount, $3.8 billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to $1.1 billion, leaving net value of construction work of $2.7 billion. In addition, these establishments paid out $1.3 billion for the cost of materials, fuels, power, rental of equipment and buildings, and the cost of selected purchased services. Value added for 1992 was $1.6 billion. (See Introduction and appendixes for explanation of terms.)

There were 4,366 establishments with total employment averaging 34,950 during the year. Total payroll for 1992 was $775 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 9,445 establishments with no payroll classified as construction. According to administrative records of the Federal Government, their dollar value of business done during 1992 was $349 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.

[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.

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

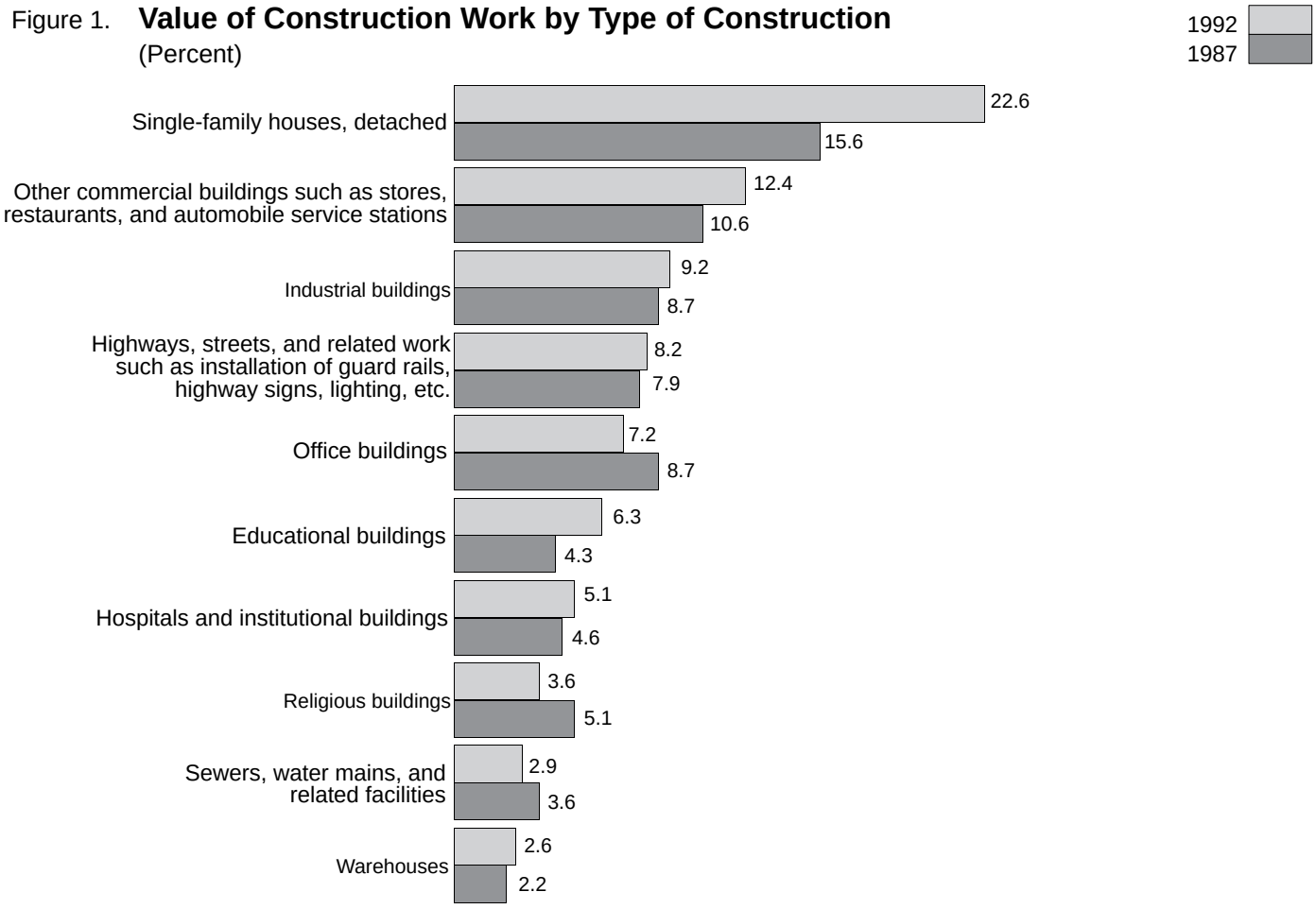


Figure 2. **Selected Costs per Dollar Value of Business Done**
(Percent)

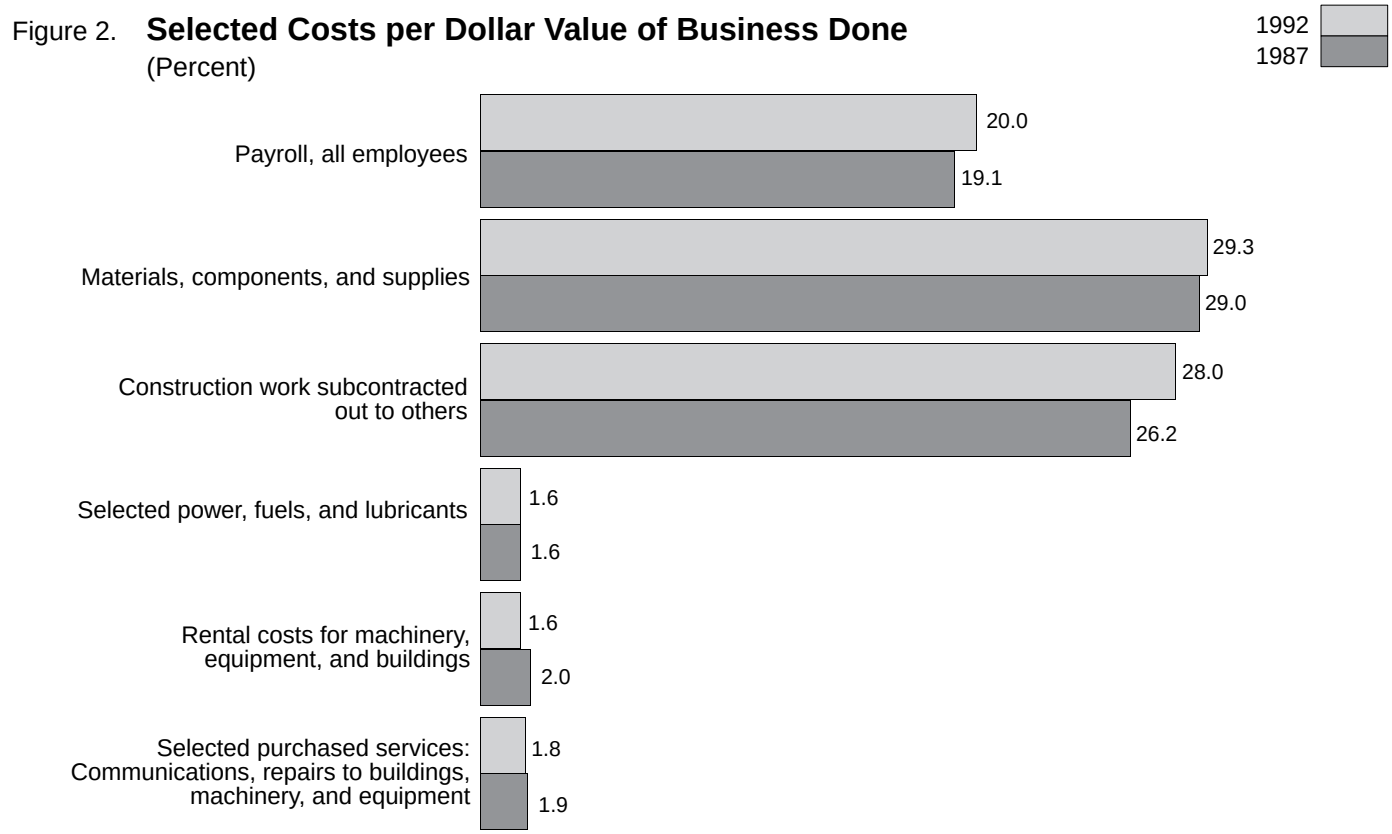


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1992 and 1987

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

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done[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	K
	1992													
15, 16, 17	**Construction industries**	**13 811**	**11 590**	**34 950**	**4 222 479**	**9 445**	**9 295**	**349 029**	**4 366**	**2 295**	**34 950**	**3 873 450**	**1**	**1**
15	**Building construction—General contractors and operative builders**	**2 796**	**2 058**	**9 158**	**1 837 974**	**1 524**	**1 421**	**140 472**	**1 272**	**637**	**9 158**	**1 697 502**	**3**	**3**
16	**Heavy construction other than building construction—contractors**	**473**	**270**	**5 945**	**695 173**	**168**	**158**	**7 822**	**305**	**112**	**5 945**	**687 351**	**3**	**2**
17	**Special trade contractors**	**10 542**	**9 261**	**19 847**	**1 689 331**	**7 753**	**7 716**	**200 735**	**2 789**	**1 545**	**19 847**	**1 488 596**	**2**	**2**
1711	Plumbing, heating, and air-conditioning	1 181	879	4 480	464 491	606	601	24 211	575	278	4 480	440 280	3	3
1731	Electrical work	855	667	3 278	284 441	501	496	11 774	354	(S)	3 278	272 667	5	3
	1987													
15, 16, 17	**Construction industries[2]**	**14 950**	**12 119**	**27 287**	**3 345 984**	**11 110**	**11 003**	**550 629**	**3 840**	**1 116**	**27 287**	**2 795 355**	**2**	**2**
15	**Building construction—General contractors and operative builders**	**3 639**	**2 651**	**(D)**	**1 350 265**	**2 528**	**2 390**	**210 038**	**1 111**	**261**	**(D)**	**1 140 227**	**(D)**	**4**
16	**Heavy construction other than building construction—contractors**	**495**	**262**	**(D)**	**532 607**	**224**	**224**	**16 705**	**271**	**38**	**(D)**	**515 902**	**(D)**	**2**
17	**Special trade contractors**	**10 459**	**8 902**	**16 212**	**1 386 371**	**8 063**	**8 102**	**262 847**	**2 396**	**800**	**16 212**	**1 123 524**	**3**	**2**
1711	Plumbing, heating, and air-conditioning	1 182	820	3 774	342 937	720	726	35 127	462	94	3 774	307 810	7	3
1731	Electrical work	831	655	2 612	211 512	508	504	16 057	323	151	2 612	195 455	4	5

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

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:46:26 EPCV23 TLP:J_EV_AREATAB.TLP;14 3/ 25/ 96 13:44:58 DATA:J_EV_T1_49.TXT;2 3/ 25/ 96 13:33:26 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 1
TSF:TIPS92-13453603.DAT;1 3/ 25/ 96 13:45:40 UTF:TIPS93-13453603.DAT;1 3/ 25/ 96 13:45:40 META:TIPS96-13453603.DAT;1 3/ 25/ 96 13:46:14

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							
			Employees**		Payroll				
		Number of establishments	All	Construction workers	All employees	Construction workers	Value of construction work	Net value of construction work†	Value added††
		A	B	C	D	E	F	G	H
15, 16, 17	**Construction industries**[1]	**4 366**	**34 950**	**27 708**	**775 340**	**581 218**	**3 774 719**	**2 691 420**	**1 592 868**
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	850	3 683	2 869	59 887	44 630	415 066	286 142	156 335
1522	Other residential buildings	43	210	150	3 349	2 428	17 197	11 408	*6 612
1531	Operative builders	104	616	393	13 613	6 793	185 144	106 147	56 120
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	57	759	606	20 442	15 047	113 257	60 796	28 984
1542	Nonresidential buildings, n.e.c.	218	3 891	2 830	99 344	64 474	934 192	361 116	216 246
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	75	2 514	2 058	67 241	50 953	299 262	224 831	141 384
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	*9	137	117	3 564	2 656	21 760	10 710	6 154
1623	Water, sewer, and utility lines	81	1 523	1 220	36 245	28 005	131 398	117 992	70 541
1629	Heavy construction, n.e.c.	140	1 771	1 469	47 341	37 698	192 050	159 246	104 349
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	575	4 480	3 485	112 188	85 044	428 277	369 042	203 812
1721	Painting and paper hanging	234	1 104	918	16 532	13 796	52 127	50 823	36 432
1731	Electrical work	354	3 278	2 601	85 349	66 740	270 236	260 857	158 854
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	210	1 134	1 013	20 491	18 081	(D)	(D)	40 054
1742	Plastering, drywall, and insulation work	216	2 244	1 952	41 311	33 317	128 771	120 730	65 368
1743	Terrazzo, tile, marble, and mosaic work	70	428	336	7 651	5 850	21 808	21 432	12 244
175	Carpentry and floor work:								
1751	Carpentry	255	865	697	12 939	10 286	43 879	38 511	25 902
1752	Floor laying and other floor work	63	242	184	3 820	2 965	24 254	21 085	9 877
1761	Roofing, siding, and sheet metal work	191	1 786	1 421	30 857	22 244	117 990	113 487	64 996
1771	Concrete work	246	1 423	1 170	24 991	19 985	89 697	85 658	49 912
1781	Water well drilling	17	*75	*66	*1 219	*1 063	*5 813	*5 699	*3 540
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	51	565	460	19 108	14 933	57 168	49 285	28 750
1793	Glass and glazing work	18	99	66	2 155	1 506	10 059	(D)	(D)
1794	Excavation work	86	530	447	10 716	8 743	41 409	38 950	31 446
1795	Wrecking and demolition work	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	37	288	222	6 476	5 350	26 229	26 000	15 340
1799	Special trade contractors, n.e.c.	166	(D)	(D)	(D)	(D)	(D)	80 413	54 499

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

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:46:26 EPCV23 TLP:J_EV_AREATAB.TLP;14 3/ 25/ 96 13:44:58 DATA:J_EV_T1_49.TXT;2 3/ 25/ 96 13:33:26 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 2
TSF:TIPS92-13453603.DAT;1 3/ 25/ 96 13:45:40 UTF:TIPS93-13453603.DAT;1 3/ 25/ 96 13:45:40 META:TIPS96-13453603.DAT;1 3/ 25/ 96 13:46:14

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 contruction 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	
1 197 283	**1 083 299**	**1 157 015**	**63 675**	**87 670**	**610 777**	**27 287**	**2 698 609**	**1 181 307**	**1**	**1**	**5**	**15, 16, 17**
												15
												152
138 183	128 923	14 394	1 936	5 005	29 896	1 495	166 365	57 224	7	7	17	1521
6 209	5 789	*798	127	483	1 285	283	32 014	15 853	29	19	22	1522
58 378	78 997	*2 220	1 097	(S)	8 017	(D)	(D)	23 197	14	13	(S)	1531
												154
31 924	52 461	6 125	5 699	3 759	20 299	726	109 874	32 195	12	10	17	1541
159 264	573 076	9 945	6 775	7 335	51 195	3 152	636 672	175 794	4	4	15	1542
												16
118 421	74 431	61 151	10 802	17 357	175 181	2 076	245 015	140 650	4	2	11	1611
												162
4 556	11 050	6 127	517	660	5 974	(D)	(D)	5 057	19	20	16	1622
51 252	13 407	18 453	8 458	9 549	49 795	1 321	108 597	62 338	8	7	36	1623
(D)	32 804	(D)	5 010	8 086	56 252	1 227	124 332	79 102	8	5	12	1629
												17
177 233	59 235	282 731	6 207	6 010	46 186	3 774	301 199	140 228	3	3	18	1711
16 037	1 305	33 950	462	1 369	6 044	750	31 233	21 617	13	12	38	1721
104 434	9 379	183 166	3 880	6 650	39 100	2 612	192 262	100 874	5	3	12	1731
												174
(D)	(D)	51 248	888	(D)	6 770	955	45 818	28 688	8	(D)	(D)	1741
55 751	(S)	119 126	1 643	1 899	10 258	1 663	93 514	52 744	7	6	18	1742
9 195	377	17 054	254	201	(S)	258	15 734	7 829	7	7	24	1743
												175
(S)	5 368	25 717	353	556	3 949	600	36 597	18 700	8	8	20	1751
11 290	*3 169	16 201	432	381	1 605	161	11 672	5 136	11	22	39	1752
50 798	4 502	67 575	1 092	1 238	12 393	1 501	100 378	49 933	8	6	25	1761
36 891	4 039	39 465	*2 833	2 381	15 026	1 479	78 415	48 728	11	11	18	1771
*2 159	(S)	(S)	80	(S)	*4 329	20	930	601	50	49	(S)	1781
												179
20 674	7 883	52 129	*848	*1 870	*9 297	483	58 887	26 323	12	8	65	1791
6 787	(D)	8 051	95	178	1 450	91	5 540	3 288	10	(D)	15	1793
7 574	2 460	36 542	1 351	3 145	30 998	545	55 406	33 884	15	15	23	1794
(D)	(D)	(D)	(D)	(D)	(D)	162	5 491	3 611	(D)	(D)	(D)	1795
10 985	229	*15 490	*748	*1 206	*5 512	152	11 704	7 817	30	24	48	1796
(D)	(D)	58 230	(D)	2 939	(D)	1 006	53 546	35 389	(D)	11	32	1799

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:46:26 EPCV23 TLP:J_EV_AREATAB.TLP;14 3/ 25/ 96 13:44:58 DATA:J_EV_T1_49.TXT;2 3/ 25/ 96 13:33:26 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 3
TSF:TIPS92-13453603.DAT;1 3/ 25/ 96 13:45:40 UTF:TIPS93-13453603.DAT;1 3/ 25/ 96 13:45:40 META:TIPS96-13453603.DAT;1 3/ 25/ 96 13:46:14

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					Relative standard error of estimate (percent)			
	1992	1987	1982	1977	1992	1987	1982	1977
Number of establishments in business during year	4 366	3 840	3 715	4 389	1	2	3	4
Proprietors and working partners	2 295	1 116	1 409	2 773	3	7	5	6
All employees**	34 950	27 287	29 501	34 603	1	2	2	2
Construction workers:								
March	24 305	19 414	21 167	25 508	1	2	2	2
May	28 258	21 516	24 699	30 258	2	2	2	2
August	30 324	23 387	27 481	33 246	1	2	2	2
November	27 945	21 874	24 111	30 974	1	2	2	2
Average	27 708	21 548	24 680	30 018	1	2	2	2
Other employees:								
March	7 084	5 631	4 628	4 365	2	2	2	3
May	7 196	5 624	(NA)	(NA)	2	2	(NA)	(NA)
August	7 428	6 086	(NA)	(NA)	2	4	(NA)	(NA)
November	7 258	5 624	(NA)	(NA)	2	2	(NA)	(NA)
Average	7 242	5 741	(NA)	(NA)	2	2	(NA)	(NA)
Payroll, all employees	775 340	535 088	512 402	425 914	1	1	1	1
Payroll, construction workers	581 218	402 087	410 477	349 978	1	1	1	1
Payroll, other employees	194 121	133 001	101 925	75 936	2	2	2	2
First-quarter payroll, all employees	162 953	115 557	109 025	85 817	2	2	2	1
Fringe benefits, all employees	173 875	115 764	96 406	75 658	2	2	1	1
Legally required expenditures	124 370	79 867	68 336	42 884	2	2	1	2
Voluntary expenditures	49 505	35 896	28 070	32 774	2	3	2	1
Dollar value of business done	3 873 450	2 795 355	2 281 233	1 828 645	1	2	1	2
Value of construction work	3 774 719	2 698 609	2 206 144	1 742 122	1	2	1	2
Value of construction work subcontracted in from others	1 157 015	639 002	530 050	443 115	3	5	3	2
Other business receipts	98 730	70 650	55 125	86 523	4	4	4	5
Net value of construction†	2 691 420	1 966 934	1 621 730	1 299 582	1	2	2	2
Value added††	1 592 868	1 181 307	979 248	753 766	1	2	1	1
Selected costs	2 280 582	1 587 952	1 282 021	1 037 685	2	2	2	2
Materials, components, and supplies	1 134 295	810 498	644 852	563 169	2	2	2	2
Construction work subcontracted out to others	1 083 299	731 675	584 414	442 540	2	3	2	3
Selected power, fuels, and lubricants	62 988	45 778	52 755	31 977	2	2	3	2
Electricity	7 061	5 518	5 634	3 386	4	4	6	4
Natural gas	3 577	2 145	2 816	2 255	7	4	5	5
Gasoline and diesel fuel	48 077	34 785	41 101	22 488	2	2	2	2
On highway use	33 292	21 966	(NA)	(NA)	3	2	(NA)	(NA)
Off highway use	14 786	12 818	(NA)	(NA)	3	3	(NA)	(NA)
Other, including lubricating oils and greases	4 272	3 329	3 204	3 848	3	4	4	5
Rental cost for machinery, equipment, and buildings	63 675	54 986	33 535	24 966	5	4	4	2
For machinery and equipment	47 540	40 279	25 734	21 447	6	4	5	2
For buildings	16 135	14 706	7 801	3 520	6	4	4	5
Selected purchased services	71 348	52 778	47 692	31 864	4	3	2	2
Communication services	17 565	10 852	8 801	6 188	5	4	3	3
Repairs to buildings and other structures	4 472	2 198	1 506	1 629	12	11	5	8
Repairs to machinery and equipment	49 312	39 727	37 385	24 047	4	4	3	2
Ownership of construction projects:								
Value of construction work	3 774 719	2 698 609	2 206 144	1 742 122	1	2	1	2
Government owned	1 160 001	907 520	415 649	305 463	4	4	5	1
Federal	362 077	373 219	(NA)	(NA)	4	8	(NA)	(NA)
State and local	797 924	534 301	(NA)	(NA)	6	4	(NA)	(NA)
Privately owned	2 614 718	1 791 089	1 790 495	1 436 659	3	3	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.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:46:26 EPCV23 TLP:J_EV_AREATAB.TLP;14 3/ 25/ 96 13:44:58 DATA:J_EV_T1_49.TXT;2 3/ 25/ 96 13:33:26 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 4
TSF:TIPS92-13453603.DAT;1 3/ 25/ 96 13:45:40 UTF:TIPS93-13453603.DAT;1 3/ 25/ 96 13:45:40 META:TIPS96-13453603.DAT;1 3/ 25/ 96 13:46:14

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	548 972	507 266	3	3
Capital expenditures, other than land	87 670	50 893	5	5
New	60 329	35 850	5	4
Used	27 341	15 043	15	11
Retirements and disposition of depreciable assets	25 866	36 945	3	8
End-of-year gross book value of depreciable assets	610 777	521 214	3	3
Depreciation charges during year	62 075	57 333	3	4
Buildings and Other Structures, Additions, and Related Facilities				
Beginning-of-year gross book value of depreciable assets	64 347	79 207	12	9
Capital expenditures, other than land	8 455	9 913	14	12
New buildings and other structures	6 848	7 045	17	7
Used buildings and other structures	(S)	2 867	(S)	35
Retirements and disposition of depreciable assets	2 173	7 768	9	29
End-of-year gross book value of depreciable assets	70 630	81 351	11	9
Depreciation charges during year	4 768	5 118	11	9
Machinery and Equipment				
Beginning-of-year gross book value of depreciable assets	484 625	428 059	3	3
Capital expenditures, other than land	79 215	40 980	6	5
New machinery and equipment, including automobiles and trucks	53 481	28 804	5	5
New automobiles and trucks, intended primarily for highway use	19 694	11 030	7	8
Used machinery and equipment, including automobiles and trucks	25 734	12 175	16	10
Retirements and disposition of depreciable assets	23 693	29 176	3	8
End-of-year gross book value of depreciable assets	540 147	439 863	3	3
Depreciation charges during year	57 307	52 215	4	4

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

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

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

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	4 366	1
Value of construction work	3 774 719	1
Establishments with inventories:		
Number	1 490	3
Value of construction work	1 734 283	2
Inventories[1]:		
End of 1992, materials and supplies	32 492	7
End of 1991, materials and supplies	31 008	6
Establishments with no inventories:		
Number	1 537	4
Value of construction work	1 526 135	2
Establishments not reporting:		
Number	1 340	3
Value of construction work	514 301	5

[1]Inventories at cost or market prior to any adjustment to correct to LIFO values.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:46:26 EPCV23 TLP:J_EV_AREATAB.TLP;14 3/ 25/ 96 13:44:58 DATA:J_EV_T1_49.TXT;2 3/ 25/ 96 13:33:26 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 5
TSF:TIPS92-13453603.DAT;1 3/ 25/ 96 13:45:40 UTF:TIPS93-13453603.DAT;1 3/ 25/ 96 13:45:40 META:TIPS96-13453603.DAT;1 3/ 25/ 96 13:46:14

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	4 366	(S)	1 064	505	254	67	24	3	–	–
All employees**	34 950	4 932	6 836	6 758	7 520	4 485	3 412	1 005	–	–
Payroll, all employees	775 340	70 979	120 217	136 673	183 963	120 412	110 743	32 353	–	–
Dollar value of business done	3 873 450	429 474	589 722	645 861	869 991	559 959	578 089	200 353	–	–
Value of construction work	3 774 719	424 347	576 244	638 429	859 495	550 932	525 367	199 905	–	–
Net value of construction work†	2 691 420	347 405	456 296	468 775	615 893	369 887	433 164	(D)	–	–
Value added††	1 592 868	195 369	247 753	255 129	377 164	223 126	249 928	44 399	–	–
Cost of materials, components, supplies, and fuels	1 197 283	157 163	222 021	221 079	249 225	155 788	192 007	(D)	–	–
Cost of construction work subcontracted out to others	1 083 299	76 942	119 948	169 654	243 603	181 045	292 108	(D)	–	–
Rental cost for machinery, equipment, and buildings	63 675	6 160	9 550	12 745	13 854	9 310	10 498	1 558	–	–
Capital expenditures, other than land	87 670	12 292	9 846	15 588	22 284	13 765	13 896	(D)	–	–
End-of-year gross book value of depreciable assets	610 777	59 683	82 049	100 426	122 886	83 083	162 650	(D)	–	–
1987										
All employees**	27 287	4 786	5 242	5 547	5 817	3 682	2 212	(D)	–	–
Value of construction work	2 698 609	445 036	371 985	531 203	621 621	429 527	299 235	(D)	–	–
Value added††	1 181 307	170 568	179 666	220 486	280 453	178 247	151 886	(D)	–	–
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	5	7	7	4	(Z)	(Z)	(Z)	–	–
Net value of construction work†	1	6	7	6	3	(Z)	(Z)	(D)	–	–
Capital expenditures, other than land	5	14	15	16	14	(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	4 366	(S)	(S)	(S)	1 166	820	647	358	168	78	53
All employees**	34 950	(S)	(S)	(S)	3 699	4 464	5 725	5 831	4 742	3 423	5 597
Payroll, all employees	775 340	(S)	(S)	(S)	50 012	71 807	104 663	123 963	129 692	98 830	182 552
Dollar value of business done	3 873 450	(S)	(S)	(S)	190 864	288 016	431 663	543 063	587 563	546 389	1 231 080
Value of construction work	3 774 719	(S)	(S)	(S)	187 737	282 282	427 553	530 556	580 032	537 123	1 175 563
Net value of construction work†	2 691 420	(S)	(S)	(S)	169 133	257 204	366 140	425 895	452 775	370 193	600 448
Value added††	1 592 868	(S)	(S)	(S)	105 582	149 732	210 616	254 933	256 186	202 559	383 135
Cost of materials, components, supplies, and fuels	1 197 283	(S)	(S)	(S)	66 678	113 206	159 634	183 469	204 120	176 901	272 830
Cost of construction work subcontracted out to others	1 083 299	(S)	(S)	(S)	18 604	25 078	61 413	104 661	127 257	166 930	575 115
Rental cost for machinery, equipment, and buildings	63 675	(S)	(S)	(S)	3 088	5 426	10 475	8 556	11 330	9 705	14 461
Capital expenditures, other than land	87 670	(S)	(S)	(S)	6 618	7 737	12 787	14 662	13 439	12 351	18 893
End-of-year gross book value of depreciable assets	610 777	(S)	(S)	(S)	34 353	57 198	80 810	77 708	81 847	78 318	192 831
1987											
All employees**	27 287	(S)	(S)	(S)	(S)	4 033	4 173	4 903	3 341	2 295	3 570
Value of construction work	2 698 609	(S)	(S)	(S)	(S)	236 747	298 613	463 257	401 885	388 857	683 743
Value added††	1 181 307	(S)	(S)	(S)	(S)	118 951	145 742	195 693	194 630	144 943	261 921
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	1	(S)	(S)	(S)	7	8	7	6	2	2	(Z)
Net value of construction work†	1	(S)	(S)	(S)	7	8	7	7	4	4	1
Capital expenditures, other than land	5	(S)	(S)	(S)	17	19	17	23	7	2	(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.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:46:26 EPCV23 TLP:J_EV_AREATAB.TLP;14 3/ 25/ 96 13:44:58 DATA:J_EV_T1_49.TXT;2 3/ 25/ 96 13:33:26 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 6
TSF:TIPS92-13453603.DAT;1 3/ 25/ 96 13:45:40 UTF:TIPS93-13453603.DAT;1 3/ 25/ 96 13:45:40 META:TIPS96-13453603.DAT;1 3/ 25/ 96 13:46:14

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

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

Type of construction	Value of construction work				Relative standard error of estimate (percent) for column—			
	Total	New construction	Additions, alterations, or reconstruction	Maintenance and repair				
	A	B	C	D	A	B	C	D
1992								
Value of construction work	**3 774 719**	**2 655 308**	**725 026**	**301 478**	**1**	**2**	**3**	**3**
Building construction	2 879 733	2 112 098	585 309	182 326	2	2	3	4
Single-family houses	924 501	715 308	154 014	55 180	4	5	8	8
Single-family houses, detached	853 306	665 205	140 793	47 308	5	6	8	8
Single-family houses, attached, including townhouses and townhouse-type condominiums	71 195	50 102	13 221	(S)	11	16	12	(S)
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	55 201	28 944	15 993	10 264	7	8	17	13
Other residential buildings, including hotels, motels, and tourist cabins	43 124	22 870	12 860	(S)	7	8	17	(S)
Office buildings	272 944	160 263	89 913	22 768	4	4	8	8
Other commercial buildings such as stores, restaurants, and automobile service stations	466 819	327 136	107 857	31 827	4	4	5	9
Industrial buildings and warehouses	443 954	332 990	79 404	31 560	3	3	4	8
Industrial buildings	346 700	253 266	65 511	27 923	4	4	4	8
Warehouses	97 254	79 724	13 893	3 637	5	5	9	12
Religious buildings	137 608	102 247	29 360	6 001	11	14	10	8
Educational buildings	239 003	178 944	52 350	7 708	5	5	7	16
Hospitals and institutional buildings	193 203	157 265	28 704	7 234	4	4	10	20
Amusement, social, and recreational buildings, indoors	31 146	26 271	*4 016	859	7	5	44	17
Other nonresidential buildings	(S)	(S)	10 839	1 530	(S)	(S)	2	16
Nonbuilding construction	802 080	543 210	139 717	119 152	2	3	4	6
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	308 041	191 586	66 919	49 535	3	3	5	7
Private driveways and parking areas	32 020	15 186	*4 860	*11 974	25	31	40	41
Bridges, tunnels, and elevated highways	23 355	16 098	3 472	3 785	14	6	30	32
Conservation and development construction	38 514	30 580	3 299	4 635	14	18	30	21
Power and communication transmission lines, towers, and related facilities	42 356	28 639	11 892	*1 825	7	6	20	55
Sewers, water mains, and related facilities	108 509	88 277	8 454	11 778	9	10	10	20
Sewers, sewer lines, septic systems, and related facilities	55 772	45 550	3 674	6 547	12	13	14	29
Water mains and related facilities	52 737	42 727	4 780	5 231	9	9	11	23
Pipeline construction other than sewer or water lines	38 523	28 442	4 973	5 108	5	6	13	10
Blast furnaces, petroleum refineries, chemical complexes, etc.	46 024	18 036	14 853	13 134	6	7	7	12
Sewage treatment and water treatment plants	63 027	51 759	10 354	913	1	1	(Z)	7
Sewage treatment plants	43 435	(D)	(D)	(D)	1	(D)	(D)	(D)
Water treatment plants	19 591	(D)	(D)	(D)	2	(D)	(D)	(D)
Other nonbuilding construction	101 712	74 605	10 641	16 465	7	8	14	14
Construction work, n.s.k.	92 907	(NA)	(NA)	(NA)	8	(NA)	(NA)	(NA)
1987								
Value of construction work	**2 698 609**	**1 806 139**	**526 667**	**231 373**	**2**	**2**	**4**	**3**
Building construction	1 894 356	1 330 611	413 049	137 175	2	3	4	4
Single-family houses	476 016	360 174	72 502	43 338	7	8	8	9
Single-family houses, detached	421 652	325 235	61 871	34 545	7	9	8	9
Single-family houses, attached, including townhouses and townhouse-type condominiums	54 364	34 939	10 631	8 793	11	15	22	25
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	84 080	61 249	15 677	7 153	10	12	17	13
Other residential buildings, including hotels, motels, and tourist cabins	60 373	40 684	12 451	7 237	11	15	9	18
Office buildings	236 042	168 074	51 349	16 617	6	8	11	7
Other commercial buildings such as stores, restaurants, and automobile service stations	285 152	208 119	56 810	20 222	5	7	4	11
Industrial buildings and warehouses	293 832	200 262	68 664	24 905	4	5	8	7
Industrial buildings	235 574	163 347	54 410	17 816	4	5	8	9
Warehouses	58 258	36 915	14 254	7 089	11	16	18	8
Religious buildings	137 896	94 118	38 748	5 030	7	7	16	12
Educational buildings	115 495	69 074	41 678	4 743	9	9	15	4
Hospitals and institutional buildings	124 899	90 002	29 990	4 906	3	1	13	6
Amusement, social, and recreational buildings, indoors	8 295	4 892	2 501	901	12	14	22	19
Other nonresidential buildings	72 271	47 090	22 686	2 493	(NA)	(NA)	(NA)	(NA)
Nonbuilding construction	668 176	462 394	113 605	92 176	2	2	6	4
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	213 834	127 249	52 796	33 788	3	4	3	4
Private driveways and parking areas	25 645	16 896	5 691	3 058	15	15	29	24
Bridges, tunnels, and elevated highways	18 066	13 957	*2 115	1 993	6	2	46	9
Conservation and development construction	51 989	43 139	*3 959	4 890	6	3	61	7
Power and communication transmission lines, towers, and related facilities	42 625	35 833	2 577	4 214	10	12	8	30
Sewers, water mains, and related facilities	97 785	77 726	14 467	5 591	8	8	33	25
Sewers, sewer lines, septic systems, and related facilities	49 347	41 206	6 480	1 659	10	11	38	18
Water mains and related facilities	48 438	36 520	7 987	3 931	8	7	28	34
Pipeline construction other than sewer or water lines	24 559	17 439	1 688	5 431	2	2	15	1
Blast furnaces, petroleum refineries, chemical complexes, etc.	43 780	28 212	3 200	12 368	2	1	1	7
Sewage treatment and water treatment plants	45 666	38 895	5 212	1 558	4	4	21	26
Sewage treatment plants	42 606	36 291	5 189	1 124	4	3	21	32
Water treatment plants	3 060	2 604	(S)	*433	22	19	(S)	41
Other nonbuilding construction	104 227	63 047	21 922	19 391	(NA)	(NA)	(NA)	(NA)
Construction work, n.s.k.	136 076	(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.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:46:26 EPCV23 TLP:J_EV_AREATAB.TLP;14 3/ 25/ 96 13:44:58 DATA:J_EV_T1_49.TXT;2 3/ 25/ 96 13:33:26 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 7
TSF:TIPS92-13453603.DAT;1 3/ 25/ 96 13:45:40 UTF:TIPS93-13453603.DAT;1 3/ 25/ 96 13:45:40 META:TIPS96-13453603.DAT;1 3/ 25/ 96 13:46:14

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
15, 16, 17	**Construction industries**	**4 366**	**27 708**	**24 305**	**28 258**	**30 324**	**27 945**	**1**	**1**	**1**	**2**	**1**	**1**
15	**Building construction—General contractors and operative builders:**												
152	General contractors, residential buildings:												
1521	Single-family houses	850	2 869	2 512	2 884	3 176	2 906	4	7	8	7	7	7
1522	Other residential buildings	43	150	154	133	177	135	31	29	32	26	32	25
1531	Operative builders	104	393	333	377	446	417	16	15	16	15	16	14
154	General contractors, nonresidential buildings:												
1541	Industrial buildings and warehouses	57	606	556	591	675	603	24	13	11	9	15	14
1542	Nonresidential buildings, n.e.c.	218	2 830	2 556	2 779	3 027	2 956	10	4	4	4	4	4
16	**Heavy construction other than building construction—contractors:**												
1611	Highway and street construction	75	2 058	1 464	2 299	2 581	1 888	9	4	5	5	5	3
162	Heavy construction, except highway:												
1622	Bridge, tunnel, and elevated highway construction	*9	117	103	108	120	138	51	19	17	16	15	19
1623	Water, sewer, and utility lines	81	1 220	920	1 206	1 413	1 343	14	7	7	6	7	8
1629	Heavy construction, n.e.c.	140	1 469	1 216	1 705	1 523	1 430	13	8	6	13	8	8
17	**Special trade contractors:**												
1711	Plumbing, heating, and air-conditioning	575	3 485	3 242	3 478	3 764	3 458	3	3	3	3	4	3
1721	Painting and paper hanging	234	918	791	989	1 002	889	7	11	13	14	12	11
1731	Electrical work	354	2 601	2 458	2 592	2 667	2 688	4	4	4	4	5	5
174	Masonry, stonework, tile setting, and plastering:												
1741	Masonry, stone setting, and other stonework	210	1 013	880	1 028	1 093	1 052	7	8	9	10	9	11
1742	Plastering, drywall, and insulation work	216	1 952	1 846	1 925	1 994	2 044	8	7	7	7	7	7
1743	Terrazzo, tile, marble, and mosaic work	70	336	328	328	349	340	12	9	8	8	10	11
175	Carpentry and floor work:												
1751	Carpentry	255	697	626	735	758	671	7	8	9	9	8	9
1752	Floor laying and other floor work	63	184	179	170	195	193	5	11	14	12	12	11
1761	Roofing, siding, and sheet metal work	191	1 421	1 212	1 401	1 574	1 497	8	9	9	9	9	11
1771	Concrete work	246	1 170	900	1 264	1 386	1 129	6	10	11	10	9	10
1781	Water well drilling	17	*66	*57	*63	*74	*70	19	52	49	44	55	58
179	Miscellaneous special trade contractors:												
1791	Structural steel erection	51	460	448	458	526	406	18	12	11	11	16	11
1793	Glass and glazing work	18	66	64	69	68	61	8	10	12	12	10	9
1794	Excavation work	86	447	406	470	490	422	19	16	19	16	15	15
1795	Wrecking and demolition work	2	(D)	(D)	(D)	(D)	(D)	(Z)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	37	222	223	223	221	222	25	28	28	28	29	29
1799	Special trade contractors, n.e.c.	166	(D)	(D)	(D)	(D)	(D)	13	(D)	(D)	(D)	(D)	(D)

[1]Construction workers during pay periods including 12th of March, May, August, and November.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:46:26 EPCV23 TLP:J_EV_AREATAB.TLP;14 3/ 25/ 96 13:44:58 DATA:J_EV_T1_49.TXT;2 3/ 25/ 96 13:33:26 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 8
TSF:TIPS92-13453603.DAT;1 3/ 25/ 96 13:45:40 UTF:TIPS93-13453603.DAT;1 3/ 25/ 96 13:45:40 META:TIPS96-13453603.DAT;1 3/ 25/ 96 13:46:14

Table 10. **Selected Industry Ratios for Establishments With Payroll in This State: 1992**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

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 subcontracted out to others	Value of construction work subcontracted in from others	Rental cost for machinery, equipment, and buildings
15, 16, 17	**Construction industries**	**8.0**	**22.2**	**136.2**	**.205**	**.317**	**.287**	**.307**	**.017**
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	4.3	16.3	144.7	.144	.333	.311	.035	.005
1522	Other residential buildings	4.9	15.9	114.7	.195	.361	.337	.046	.007
1531	Operative builders	5.9	22.1	471.1	.074	.315	.427	*.012	.006
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	13.3	26.9	186.9	.180	.282	.463	.054	.050
1542	Nonresidential buildings, n.e.c.	17.8	25.5	330.1	.106	.170	.613	.011	.007
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	33.4	26.7	145.4	.225	.396	.249	.204	.036
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	15.8	26.0	186.0	.164	.209	.508	.282	.024
1623	Water, sewer, and utility lines	18.9	23.8	107.7	.276	.390	.102	.140	.064
1629	Heavy construction, n.e.c.	12.6	26.7	130.7	.247	(D)	.171	(D)	.026
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	7.8	25.0	122.9	.262	.414	.138	.660	.014
1721	Painting and paper hanging	4.7	15.0	56.8	.317	.308	.025	.651	.009
1731	Electrical work	9.3	26.0	103.9	.316	.386	.035	.678	.014
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	5.4	18.1	(D)	(D)	(D)	(D)	(D)	(D)
1742	Plastering, drywall, and insulation work	10.4	18.4	66.0	.321	.433	(S)	.925	.013
1743	Terrazzo, tile, marble, and mosaic work	6.2	17.9	64.9	.351	.422	.017	.782	.012
175	Carpentry and floor work:								
1751	Carpentry	3.4	15.0	63.0	.295	(S)	.122	.586	.008
1752	Floor laying and other floor work	3.9	15.8	131.8	.157	.465	.131	.668	.018
1761	Roofing, siding, and sheet metal work	9.4	17.3	83.0	.262	.431	.038	.573	.009
1771	Concrete work	5.8	17.6	76.7	.279	.411	.045	.440	*.032
1781	Water well drilling	4.5	16.2	88.1	.210	.371	(S)	(S)	.014
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	11.1	33.8	124.3	.334	.362	.138	.912	.015
1793	Glass and glazing work	5.5	21.8	152.4	.214	.675	(D)	.800	.009
1794	Excavation work	6.2	20.2	92.6	.259	.183	.059	.882	.033
1795	Wrecking and demolition work	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	7.9	22.5	118.1	.247	.419	.009	*.591	.029
1799	Special trade contractors, n.e.c.	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:46:26 EPCV23 TLP:J_EV_AREATAB.TLP;14 3/ 25/ 96 13:44:58 DATA:J_EV_T1_49.TXT;2 3/ 25/ 96 13:33:26 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 9
TSF:TIPS92-13453603.DAT;1 3/ 25/ 96 13:45:40 UTF:TIPS93-13453603.DAT;1 3/ 25/ 96 13:45:40 META:TIPS96-13453603.DAT;1 3/ 25/ 96 13:46:14

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	C	D	E	F	G	H	I	B	E
	SALT LAKE CITY–OGDEN, UT MSA											
15,16, 17	**Construction industries**	**2 707**	**23 990**	**560 317**	**2 772 085**	**1 898 262**	**1 105 519**	**857 348**	**873 823**	**55 833**	**2**	**1**
15	**Building construction—General contractors and operative builders:**											
152	General contractors, residential buildings:											
1521	Single-family houses	(S)	2 037	33 900	220 517	160 465	95 389	71 168	60 052	2 602	10	11
1522	Other residential buildings	(S)	102	2 138	10 646	(D)	(D)	(D)	(D)	383	23	(D)
1531	Operative builders	71	331	8 598	117 095	66 113	26 020	(S)	50 982	(D)	22	19
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	43	536	15 417	85 268	43 694	20 926	22 805	41 574	3 362	15	12
1542	Nonresidential buildings, n.e.c.	145	3 379	89 229	841 590	313 990	195 391	131 163	527 600	5 437	4	3
16	**Heavy construction other than building construction—contractors:**											
1611	Highway and street construction	35	1 189	34 796	180 093	125 434	73 785	70 677	54 659	8 618	5	3
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	*7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines	40	857	21 990	73 068	67 097	42 816	26 697	5 970	6 803	8	6
1629	Heavy construction, n.e.c.	56	617	19 015	85 663	62 021	35 726	29 633	23 642	(S)	9	8
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	381	3 629	93 582	353 540	302 378	165 193	148 689	51 162	4 029	3	3
1721	Painting and paper hanging	(S)	792	12 077	37 757	36 869	26 077	12 247	889	868	18	17
1731	Electrical work	230	2 450	65 743	207 110	200 108	118 384	82 594	7 002	3 761	5	4
174	Masonry, stone work, tile setting, and plastering:											
1741	Masonry, stone setting, and other stone work	124	693	12 549	36 240	35 803	23 267	12 542	(S)	836	12	11
1742	Plastering, drywall, and insulation work	144	1 560	29 988	90 528	83 453	42 813	40 989	(S)	1 065	8	7
1743	Terrazzo, tile, marble, and mosaic work	(S)	383	7 053	19 353	19 004	10 979	8 032	*350	163	7	8
175	Carpentry and floor work:											
1751	Carpentry	152	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1752	Floor laying and other floor work	43	194	3 237	20 433	17 554	8 226	9 409	*2 879	*269	14	26
1761	Roofing, siding, and sheet metal work	131	1 417	25 655	96 944	93 210	53 463	41 006	3 735	1 069	8	6
1771	Concrete work	164	1 023	19 151	68 450	65 368	38 154	27 665	3 082	1 646	13	13
1781	Water well drilling	11	*64	(D)	*4 963	(D)	*3 073	*1 832	(D)	1 805	58	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	36	469	16 516	50 331	42 541	23 639	18 937	7 790	1 738	14	9
1793	Glass and glazing work	11	65	1 575	(D)	(D)	2 924	4 865	(D)	137	16	(D)
1794	Excavation work	(S)	310	6 241	21 368	20 458	15 727	4 800	911	(S)	22	23
1795	Wrecking and demolition work	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	36	(D)	(D)	(D)	(D)	(D)	(D)	229	(D)	(D)	(D)
1799	Special trade contractors, n.e.c.	112	1 000	23 080	69 188	64 708	43 512	22 512	4 480	2 816	13	12

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:46:26 EPCV23 TLP:J_EV_AREATAB.TLP;14 3/ 25/ 96 13:44:58 DATA:J_EV_T1_49.TXT;2 3/ 25/ 96 13:33:26 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 10
TSF:TIPS92-13453603.DAT;1 3/ 25/ 96 13:45:40 UTF:TIPS93-13453603.DAT;1 3/ 25/ 96 13:45:40 META:TIPS96-13453603.DAT;1 3/ 25/ 96 13:46:14

Contents
Wyoming

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

Page

Summary of Findings 2

FIGURES

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

TABLES

Statistics for Establishments With and Without Payroll

1. Summary Statistics by Industry: 1992 and 1987 5

Statistics for Establishments With Payroll

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

-- Not applicable for this report.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:49:13 EPCV23 TLP:J_EV_FINAL.TLP;8 3/ 25/ 96 13:48:58 DATA:J_EV_T1_56.TXT;1 3/ 25/ 96 13:33:37 UPF:CON_CENPROD:[CEN.DATA]J_EV_A PAGE: 1
TSF:TIPS92-13485945.DAT;1 3/ 25/ 96 13:49:02 UTF:TIPS93-13485945.DAT;1 3/ 25/ 96 13:49:02 META:TIPS96-13485945.DAT;1 3/ 25/ 96 13:49:11

Summary of Findings

This report provides results from the 1992 Census of Construction Industries for Wyoming. 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 4,533 establishments in this State operating in the construction industries. These establishments accounted for $1.0 billion in total dollar value of business done.

Most of the 4,533 construction establishments were small. Of the total, 2,841 were nonemployers, and over half of the employer establishments had less than 5 employees. The 533 construction establishments with 5 employees or more, while representing only 12 percent of all establishments, accounted for more than 75 percent of the total dollar value of business done.

ESTABLISHMENTS WITH PAYROLL

During 1992, the establishments with paid employees accounted for $942 million in total dollar value of business done. Of this amount, $916 million were for the value of construction work. Their payments for construction work subcontracted to others amounted to $173 million, leaving net value of construction work of $743 million. In addition, these establishments paid out $373 million for the cost of materials, fuels, power, rental of equipment and buildings, and the cost of selected purchased services. Value added for 1992 was $450 million. (See Introduction and appendixes for explanation of terms.)

There were 1,692 establishments with total employment averaging 10,948 during the year. Total payroll for 1992 was $235 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 2,841 establishments with no payroll classified as construction. According to administrative records of the Federal Government, their dollar value of business done during 1992 was $59 million. Most of these establishments, about 80 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.

[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.

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

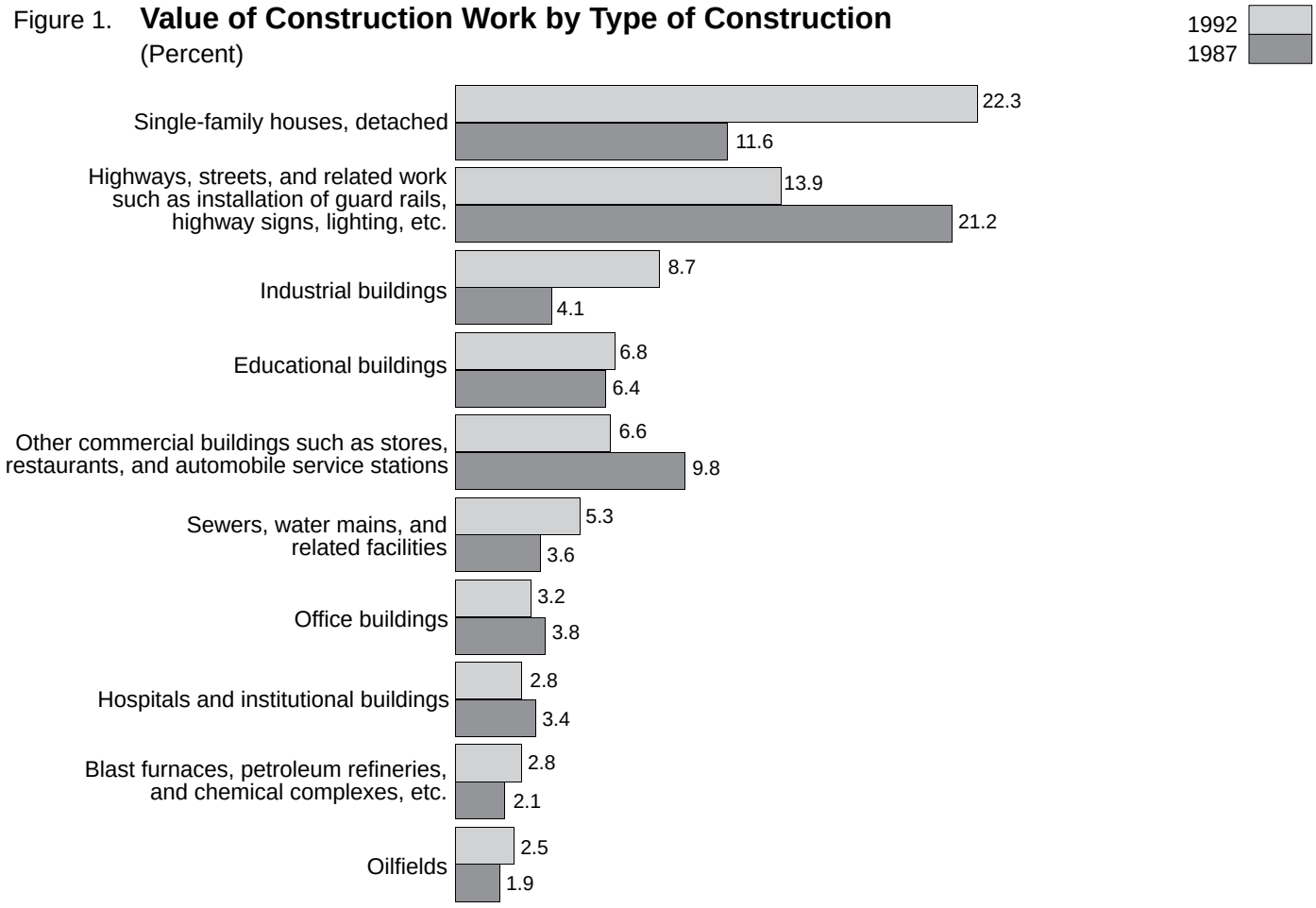


Figure 2. **Selected Costs per Dollar Value of Business Done**
(Percent)

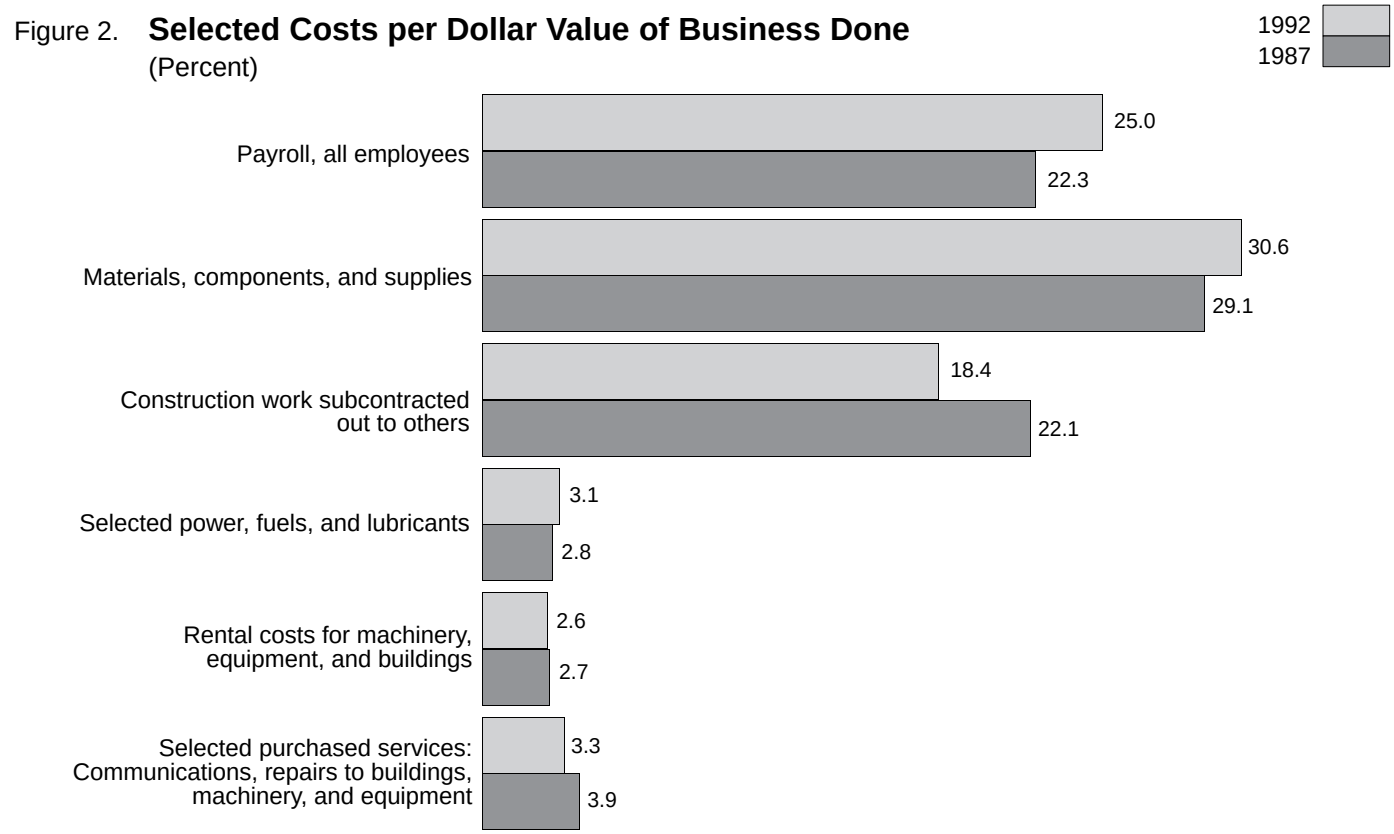


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1992 and 1987

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

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done[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	K
	1992													
15, 16, 17	**Construction industries**	**4 533**	**3 843**	**10 948**	**1 000 886**	**2 841**	**2 816**	**59 180**	**1 692**	**1 027**	**10 948**	**941 706**	**2**	**2**
15	**Building construction—General contractors and operative builders**	**935**	**717**	**2 709**	**318 275**	**420**	**409**	**15 089**	**515**	**(S)**	**2 709**	**303 186**	**5**	**5**
16	**Heavy construction other than building construction— contractors**	**364**	**222**	**3 333**	**312 362**	**142**	**133**	**3 284**	**222**	**89**	**3 333**	**309 078**	**4**	**3**
17	**Special trade contractors**	**3 234**	**2 904**	**4 907**	**370 249**	**2 279**	**2 274**	**40 807**	**955**	**630**	**4 907**	**329 442**	**3**	**3**
1711	Plumbing, heating, and air-conditioning	321	251	877	87 945	129	128	4 685	192	123	877	83 260	7	9
1731	Electrical work	282	181	1 154	92 508	114	111	3 452	168	70	1 154	89 056	4	5
	1987													
15, 16, 17	**Construction industries[2]**	**4 716**	**3 775**	**8 952**	**854 485**	**3 410**	**3 396**	**100 937**	**1 306**	**379**	**8 952**	**753 548**	**2**	**2**
15	**Building construction—General contractors and operative builders**	**1 037**	**798**	**1 836**	**251 476**	**709**	**678**	**28 115**	**328**	**120**	**1 836**	**223 361**	**6**	**7**
16	**Heavy construction other than building construction— contractors**	**377**	**194**	**(D)**	**(D)**	**140**	**143**	**7 671**	**237**	**51**	**(D)**	**(D)**	**(D)**	**(D)**
17	**Special trade contractors**	**3 175**	**2 667**	**(D)**	**(D)**	**2 444**	**2 462**	**57 661**	**731**	**205**	**(D)**	**(D)**	**(D)**	**(D)**
1711	Plumbing, heating, and air-conditioning	317	207	761	59 715	166	167	6 023	151	40	761	53 692	10	13
1731	Electrical work	295	182	969	65 345	157	156	7 250	138	26	969	58 095	8	8

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

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:48:49 EPCV23 TLP:J_EV_AREATAB.TLP;16 3/ 25/ 96 13:47:17 DATA:J_EV_T1_56.TXT;1 3/ 25/ 96 13:33:37 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 1
TSF:TIPS92-13480988.DAT;1 3/ 25/ 96 13:48:15 UTF:TIPS93-13480988.DAT;1 3/ 25/ 96 13:48:15 META:TIPS96-13480988.DAT;1 3/ 25/ 96 13:48:41

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							
			Employees**		Payroll				
		Number of establishments	All	Construction workers	All employees	Construction workers	Value of construction work	Net value of construction work†	Value added††
		A	B	C	D	E	F	G	H
15, 16, 17	**Construction industries**[1]	**1 692**	**10 948**	**9 012**	**235 264**	**183 942**	**915 974**	**742 521**	**450 239**
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	377	1 525	1 245	25 914	21 380	137 324	100 651	47 837
1522	Other residential buildings	*13	*67	*58	*1 525	*1 131	*6 148	*3 350	*2 643
1531	Operative builders	18	(S)	(S)	(S)	(S)	*5 889	(S)	(S)
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	22	461	386	15 304	12 681	51 192	35 032	25 767
1542	Nonresidential buildings, n.e.c.	85	628	484	12 558	9 040	96 251	41 346	23 775
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	66	1 222	1 041	31 392	24 533	131 040	109 695	65 992
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	*8	211	172	4 421	3 174	20 359	15 302	8 841
1623	Water, sewer, and utility lines	37	860	716	19 039	14 578	68 232	62 909	37 572
1629	Heavy construction, n.e.c.	111	1 039	865	29 950	22 047	83 579	74 709	54 892
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	192	877	662	20 037	15 138	80 693	72 736	40 638
1721	Painting and paper hanging	79	290	254	(D)	3 509	10 992	(D)	8 775
1731	Electrical work	168	1 154	891	29 007	22 406	84 949	81 987	51 170
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	50	228	198	3 169	2 745	11 621	11 263	8 060
1742	Plastering, drywall, and insulation work	55	305	245	6 163	4 848	18 323	18 068	12 210
1743	Terrazzo, tile, marble, and mosaic work	*17	29	22	503	343	1 845	1 804	1 077
175	Carpentry and floor work:								
1751	Carpentry	74	174	158	2 683	2 462	8 910	8 243	5 759
1752	Floor laying and other floor work	17	37	32	409	328	1 507	1 442	(D)
1761	Roofing, siding, and sheet metal work	53	458	395	6 833	5 213	23 778	22 415	10 426
1771	Concrete work	73	412	367	7 290	6 404	(D)	(D)	(D)
1781	Water well drilling	20	74	57	(D)	1 065	(D)	4 959	3 002
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	6	41	(D)	(D)	(D)	(D)	(D)	(D)
1793	Glass and glazing work	3	(D)	(D)	412	(D)	(D)	(D)	1 060
1794	Excavation work	42	148	*129	*2 516	*2 283	10 127	9 293	6 878
1795	Wrecking and demolition work	–	–	–	–	–	–	–	–
1796	Installing building equipment, n.e.c.	*9	(D)	40	(D)	1 499	3 916	3 916	2 545
1799	Special trade contractors, n.e.c.	97	610	528	7 671	5 984	23 195	20 245	14 177

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

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:48:49 EPCV23 TLP:J_EV_AREATAB.TLP;16 3/ 25/ 96 13:47:17 DATA:J_EV_T1_56.TXT;1 3/ 25/ 96 13:33:37 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 2
TSF:TIPS92-13480988.DAT;1 3/ 25/ 96 13:48:15 UTF:TIPS93-13480988.DAT;1 3/ 25/ 96 13:48:15 META:TIPS96-13480988.DAT;1 3/ 25/ 96 13:48:41

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 contruction 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	
318 013	**173 454**	**193 974**	**24 341**	**30 970**	**255 917**	**8 952**	**731 687**	**344 334**	**2**	**2**	**10**	**15, 16, 17**
												15
												152
54 681	36 674	4 901	(S)	1 599	12 703	(S)	(S)	(S)	8	11	26	1521
767	(S)	–	*32	–	(S)	*107	10 690	4 076	68	55	–	1522
*1 952	*2 253	(S)	(S)	*97	294	(S)	(S)	(S)	(S)	(S)	62	1531
												154
9 536	16 159	3 665	2 245	560	5 508	153	20 108	5 795	10	6	22	1541
21 756	54 905	(S)	*1 192	*914	11 160	1 057	134 633	30 947	13	11	45	1542
												16
45 628	21 346	15 969	5 738	7 477	81 885	1 768	168 028	86 992	8	4	18	1611
												162
7 087	5 057	3 537	506	1 109	*9 848	(D)	(D)	(D)	22	19	39	1622
27 573	5 322	11 497	3 198	6 069	30 813	528	57 373	35 387	11	8	39	1623
20 897	8 870	7 556	4 902	4 840	40 712	915	77 565	40 882	7	9	26	1629
												17
34 665	7 957	29 471	1 228	2 382	14 527	761	50 939	27 566	7	9	20	1711
(D)	(D)	6 448	85	254	2 358	119	5 452	4 831	14	(D)	36	1721
34 923	2 962	40 180	1 492	2 216	13 509	969	56 090	33 298	4	5	18	1731
												174
3 203	358	8 202	108	(D)	*3 303	137	5 124	2 736	12	13	(D)	1741
5 936	256	10 332	413	281	2 100	232	8 054	5 360	15	16	32	1742
767	*41	*1 761	*32	51	345	(D)	840	420	27	29	30	1743
												175
(S)	(S)	4 730	40	276	2 195	(S)	(S)	(S)	15	14	18	1751
839	64	886	36	61	304	(D)	(D)	(D)	5	6	5	1752
12 086	1 363	12 640	275	512	(D)	417	21 284	11 041	17	9	23	1761
12 198	(D)	11 969	313	(D)	3 705	224	12 062	7 794	7	(D)	(D)	1771
(D)	(D)	246	55	*188	(S)	74	4 247	2 102	11	9	43	1781
												179
1 506	(D)	(D)	(D)	(D)	496	92	6 706	4 341	(Z)	(D)	(D)	1791
(D)	(D)	(D)	(D)	(D)	716	57	(D)	2 014	(D)	(D)	(D)	1793
*2 427	*834	4 373	*218	*386	*3 506	(S)	(S)	(S)	38	38	51	1794
–	–	–	–	–	–	–	–	–	–	–	–	1795
1 371	–	(D)	(D)	64	(D)	(D)	(S)	(S)	(D)	13	34	1796
9 288	2 950	7 369	1 217	850	6 938	359	13 422	8 403	11	18	26	1799

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:48:49 EPCV23 TLP:J_EV_AREATAB.TLP;16 3/ 25/ 96 13:47:17 DATA:J_EV_T1_56.TXT;1 3/ 25/ 96 13:33:37 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 3
TSF:TIPS92-13480988.DAT;1 3/ 25/ 96 13:48:15 UTF:TIPS93-13480988.DAT;1 3/ 25/ 96 13:48:15 META:TIPS96-13480988.DAT;1 3/ 25/ 96 13:48:41

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					Relative standard error of estimate (percent)			
	1992	1987	1982	1977	1992	1987	1982	1977
Number of establishments in business during year	1 692	1 306	1 819	1 759	1	3	4	5
Proprietors and working partners	1 027	379	665	1 111	4	12	8	9
All employees**	10 948	8 952	14 851	13 175	2	2	2	3
Construction workers:								
March	7 625	5 659	11 675	9 559	2	3	2	3
May	9 072	7 452	12 630	12 024	2	3	2	3
August	10 288	8 574	13 447	13 472	2	2	2	3
November	9 065	7 158	11 509	11 617	2	3	2	3
Average	9 012	7 211	12 521	11 678	2	2	2	3
Other employees:								
March	1 863	1 680	2 316	1 370	3	4	4	5
May	1 910	1 664	(NA)	(NA)	3	4	(NA)	(NA)
August	2 002	1 882	(NA)	(NA)	4	5	(NA)	(NA)
November	1 969	1 736	(NA)	(NA)	4	4	(NA)	(NA)
Average	1 936	1 740	(NA)	(NA)	3	4	(NA)	(NA)
Payroll, all employees	235 264	168 001	253 400	151 945	1	2	2	2
Payroll, construction workers	183 942	128 734	204 582	130 005	2	2	2	2
Payroll, other employees	51 322	39 266	48 817	21 940	2	3	3	3
First quarter payroll, all employees	49 950	32 633	58 619	30 447	2	3	2	2
Fringe benefits, all employees	48 736	32 484	44 321	22 597	3	3	2	2
Legally required expenditures	37 594	23 043	34 614	14 818	3	3	2	2
Voluntary expenditures	11 143	9 441	9 706	7 779	5	5	3	1
Dollar value of business done	941 706	753 548	1 081 190	650 014	2	2	2	2
Value of construction work	915 974	731 687	1 038 734	630 497	2	2	2	2
Value of construction work subcontracted in from others	193 974	140 105	194 816	130 120	6	6	5	4
Other business receipts	25 732	20 071	36 800	19 517	9	7	5	8
Net value of construction†	742 521	565 131	808 260	519 838	2	2	2	2
Value added††	450 239	344 334	511 670	314 891	2	2	2	2
Selected costs	491 466	407 424	563 864	328 368	3	3	3	3
Materials, components, and supplies	288 547	219 594	300 384	194 023	4	4	2	3
Construction work subcontracted out to others	173 454	166 556	230 474	110 658	6	4	3	4
Selected power, fuels, and lubricants	29 465	21 274	33 006	23 686	3	2	3	2
Electricity	2 736	1 714	2 447	1 014	9	4	4	6
Natural gas	2 612	733	1 219	646	3	9	4	9
Gasoline and diesel fuel	22 019	17 049	27 115	18 700	3	2	3	2
On highway use	12 844	9 010	(NA)	(NA)	4	3	(NA)	(NA)
Off highway use	9 175	8 039	(NA)	(NA)	4	4	(NA)	(NA)
Other, including lubricating oils and greases	2 098	1 776	2 224	3 334	6	6	3	3
Rental cost for machinery, equipment, and buildings	24 341	20 390	24 840	10 805	5	4	3	4
For machinery and equipment	18 997	16 731	20 871	9 347	5	4	3	4
For buildings	5 344	3 658	3 969	1 458	12	8	6	6
Selected purchased services	30 724	29 594	27 595	30 324	4	3	3	2
Communication services	5 707	3 238	4 522	2 550	5	5	4	4
Repairs to buildings and other structures	1 395	708	730	841	10	18	6	12
Repairs to machinery and equipment	23 622	25 647	22 343	26 932	4	3	3	2
Ownership of construction projects:								
Value of construction work	915 974	731 687	1 038 734	630 497	2	2	2	2
Government owned	327 774	349 603	331 958	144 494	6	5	4	2
Federal	71 599	152 031	(NA)	(NA)	9	10	(NA)	(NA)
State and local	256 175	197 571	(NA)	(NA)	7	3	(NA)	(NA)
Privately owned	588 200	382 084	706 776	486 003	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.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:48:49 EPCV23 TLP:J_EV_AREATAB.TLP;16 3/ 25/ 96 13:47:17 DATA:J_EV_T1_56.TXT;1 3/ 25/ 96 13:33:37 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 4
TSF:TIPS92-13480988.DAT;1 3/ 25/ 96 13:48:15 UTF:TIPS93-13480988.DAT;1 3/ 25/ 96 13:48:15 META:TIPS96-13480988.DAT;1 3/ 25/ 96 13:48:41

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	258 436	224 604	6	5
Capital expenditures, other than land	30 970	16 236	10	7
New	18 655	10 563	16	8
Used	12 315	5 673	9	13
Retirements and disposition of depreciable assets	(S)	9 188	(S)	15
End-of-year gross book value of depreciable assets	255 917	231 653	6	5
Depreciation charges during year	27 332	24 361	6	6
Buildings and Other Structures, Additions, and Related Facilities				
Beginning-of-year gross book value of depreciable assets	(S)	30 094	(S)	14
Capital expenditures, other than land	1 440	1 709	20	38
New buildings and other structures	1 100	401	25	25
Used buildings and other structures	339	*1 307	13	48
Retirements and disposition of depreciable assets	(S)	232	(S)	27
End-of-year gross book value of depreciable assets	25 280	31 570	12	14
Depreciation charges during year	(S)	2 638	(S)	21
Machinery and Equipment				
Beginning-of-year gross book value of depreciable assets	215 127	194 510	6	5
Capital expenditures, other than land	29 530	14 527	10	6
New machinery and equipment, including automobiles and trucks	17 555	10 161	17	8
New automobiles and trucks, intended primarily for highway use	6 141	4 613	14	12
Used machinery and equipment, including automobiles and trucks	11 976	4 365	9	8
Retirements and disposition of depreciable assets	14 020	8 956	8	15
End-of-year gross book value of depreciable assets	230 637	200 082	6	5
Depreciation charges during year	24 217	21 723	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	1 692	1
Value of construction work	915 974	2
Establishments with inventories:		
Number	554	5
Value of construction work	413 149	3
Inventories[1]:		
End of 1992, materials and supplies	12 910	14
End of 1991, materials and supplies	12 349	15
Establishments with no inventories:		
Number	618	6
Value of construction work	318 103	6
Establishments not reporting:		
Number	520	5
Value of construction work	184 722	6

[1]Inventories at cost or market prior to any adjustment to correct to LIFO values.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:48:49 EPCV23 TLP:J_EV_AREATAB.TLP;16 3/ 25/ 96 13:47:17 DATA:J_EV_T1_56.TXT;1 3/ 25/ 96 13:33:37 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 5
TSF:TIPS92-13480988.DAT;1 3/ 25/ 96 13:48:15 UTF:TIPS93-13480988.DAT;1 3/ 25/ 96 13:48:15 META:TIPS96-13480988.DAT;1 3/ 25/ 96 13:48:41

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	1 692	1 158	270	157	82	16	6	2	–	–
All employees**	10 948	2 364	1 742	2 057	2 276	1 080	1 431	(D)	–	–
Payroll, all employees	235 264	37 057	28 972	43 810	55 481	31 469	38 476	(D)	–	–
Dollar value of business done	941 706	192 179	137 280	176 539	203 666	114 363	117 680	(D)	–	–
Value of construction work	915 974	189 172	132 078	172 519	193 720	111 169	117 317	(D)	–	–
Net value of construction work†	742 521	155 087	107 418	137 762	154 949	86 957	100 346	(D)	–	–
Value added††	450 239	87 989	62 075	86 150	97 001	51 176	65 848	(D)	–	–
Cost of materials, components, supplies, and fuels	318 013	70 105	50 545	55 633	67 894	38 975	34 861	(D)	–	–
Cost of construction work subcontracted out to others	173 454	34 084	(S)	34 756	38 770	24 212	16 971	(D)	–	–
Rental cost for machinery, equipment, and buildings	24 341	(S)	2 105	4 227	6 690	4 202	4 501	(D)	–	–
Capital expenditures, other than land	30 970	4 969	3 356	5 486	10 825	2 795	3 540	(D)	–	–
End-of-year gross book value of depreciable assets	255 917	36 613	32 831	56 898	63 569	28 388	37 618	(D)	–	–
1987										
All employees**	8 952	(S)	1 481	1 746	1 887	1 403	857	–	–	–
Value of construction work	731 687	(S)	82 957	144 370	192 462	208 892	(D)	–	–	–
Value added††	344 334	(S)	46 089	63 923	92 899	49 050	43 293	–	–	–
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	2	7	12	10	6	(Z)	(Z)	(D)	–	–
Net value of construction work†	2	9	13	9	4	(Z)	(Z)	(D)	–	–
Capital expenditures, other than land	10	21	17	14	23	(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	1 692	(S)	(S)	(S)	533	287	197	115	45	15	9
All employees**	10 948	(S)	(S)	410	1 511	1 602	1 627	1 919	1 467	1 003	1 221
Payroll, all employees	235 264	(S)	(S)	4 805	22 050	25 743	32 132	44 779	41 102	25 518	37 721
Dollar value of business done	941 706	(S)	(S)	(S)	87 337	101 919	135 074	184 514	155 868	101 869	150 549
Value of construction work	915 974	(S)	(S)	(S)	85 028	100 036	132 568	177 852	147 482	100 074	148 523
Net value of construction work†	742 521	(S)	(S)	17 345	74 756	88 075	111 392	147 180	121 186	68 551	108 861
Value added††	450 239	(S)	(S)	10 551	44 123	53 162	70 791	87 338	72 539	44 118	64 617
Cost of materials, components, supplies, and fuels	318 013	(S)	(S)	(S)	32 942	36 795	43 107	66 504	57 032	26 228	46 270
Cost of construction work subcontracted out to others	173 454	(S)	(S)	(S)	(S)	(S)	21 176	30 672	26 296	31 523	39 662
Rental cost for machinery, equipment, and buildings	24 341	(S)	(S)	(S)	1 297	1 411	2 284	6 683	3 481	4 245	4 475
Capital expenditures, other than land	30 970	(S)	(S)	684	3 226	2 474	3 575	8 360	6 217	2 107	4 248
End-of-year gross book value of depreciable assets	255 917	(S)	(S)	3 640	18 501	27 726	45 292	49 624	39 199	28 126	42 840
1987											
All employees**	8 952	(S)	(S)	(S)	1 029	1 119	1 103	1 687	1 347	901	928
Value of construction work	731 687	(S)	(S)	(S)	50 940	69 987	72 914	132 214	103 371	123 525	149 588
Value added††	344 334	(S)	(S)	(S)	28 430	36 351	38 337	67 650	52 065	43 108	61 772
1992 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	2	(S)	(S)	13	10	13	10	9	2	2	(Z)
Net value of construction work†	2	(S)	(S)	12	10	13	11	10	3	2	(Z)
Capital expenditures, other than land	10	(S)	(S)	32	30	21	19	30	3	7	(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.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:48:49 EPCV23 TLP:J_EV_AREATAB.TLP;16 3/ 25/ 96 13:47:17 DATA:J_EV_T1_56.TXT;1 3/ 25/ 96 13:33:37 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 6
TSF:TIPS92-13480988.DAT;1 3/ 25/ 96 13:48:15 UTF:TIPS93-13480988.DAT;1 3/ 25/ 96 13:48:15 META:TIPS96-13480988.DAT;1 3/ 25/ 96 13:48:41

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

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

Type of construction	Value of construction work				Relative standard error of estimate (percent) for column—			
	Total	New construction	Additions, alterations, or reconstruction	Maintenance and repair				
	A	B	C	D	A	B	C	D
1992								
Value of construction work	**915 974**	**516 742**	**235 719**	**114 427**	**2**	**4**	**3**	**5**
Building construction	518 981	343 848	119 224	55 910	4	5	4	9
Single-family houses	216 529	152 675	41 528	22 326	7	9	8	15
Single-family houses, detached	204 130	145 398	38 296	20 436	7	9	8	15
Single-family houses, attached, including townhouses and townhouse-type condominiums	12 399	7 277	*3 232	1 891	22	20	46	21
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	10 284	5 763	2 437	2 084	25	33	36	17
Other residential buildings, including hotels, motels, and tourist cabins	7 912	4 522	2 449	941	17	23	16	19
Office buildings	29 379	10 804	(S)	6 062	12	14	(S)	18
Other commercial buildings such as stores, restaurants, and automobile service stations	60 038	37 809	15 162	7 067	8	10	12	17
Industrial buildings and warehouses	89 265	66 001	13 634	9 630	7	8	6	18
Industrial buildings	79 446	58 203	11 956	9 287	8	8	7	19
Warehouses	9 819	7 798	(S)	343	28	35	(S)	34
Religious buildings	5 969	1 827	2 879	1 263	10	4	13	23
Educational buildings	62 410	46 772	11 600	4 038	19	24	12	19
Hospitals and institutional buildings	25 844	10 733	13 864	1 247	13	30	7	34
Other nonresidential buildings	11 351	6 940	3 158	1 253	12	16	21	21
Nonbuilding construction	347 907	172 895	116 495	58 517	3	5	3	6
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	127 443	35 165	72 856	19 422	4	7	3	9
Airport runways and related work	7 406	(D)	1 923	(D)	5	(D)	(Z)	(D)
Private driveways and parking areas	6 623	(D)	2 227	(D)	9	(D)	6	(D)
Recreational facilities	(S)	1 416	(S)	–	(S)	39	(S)	–
Bridges, tunnels, and elevated highways	20 127	(D)	(D)	–	22	(D)	(D)	–
Conservation and development construction	20 270	12 198	*2 923	*5 148	19	20	48	48
Power and communication transmission lines, towers, and related facilities	19 818	16 094	(D)	(D)	7	9	(D)	(D)
Sewers, water mains, and related facilities	48 117	35 059	8 577	4 481	11	13	9	23
Sewers, sewer lines, septic systems, and related facilities	16 651	11 397	3 490	1 764	13	12	19	28
Water mains and related facilities	31 466	23 662	5 087	2 718	13	15	7	33
Pipeline construction other than sewer or water lines	20 778	14 532	2 057	4 188	19	26	10	21
Blast furnaces, petroleum refineries, chemical complexes, etc.	25 522	8 779	7 303	9 439	6	2	2	13
Oilfields	23 305	10 951	(D)	(D)	7	12	(D)	(D)
Other nonbuilding construction	23 430	16 085	2 912	4 433	17	15	38	25
Construction work, n.s.k.	49 086	(NA)	(NA)	(NA)	11	(NA)	(NA)	(NA)
1987								
Value of construction work	**731 687**	**400 840**	**209 808**	**83 284**	**2**	**4**	**3**	**5**
Building construction	347 376	217 197	81 255	47 178	4	6	7	10
Single-family houses	91 696	64 379	17 048	10 267	14	18	17	14
Single-family houses, detached	84 801	60 495	15 224	9 081	15	20	18	14
Single-family houses, attached, including townhouses and townhouse-type condominiums	6 895	3 884	*1 824	1 186	20	15	47	29
Apartment buildings with two or more units, including rentals, apartment-type condominiums, and cooperatives	6 209	2 460	1 572	2 176	10	23	6	12
Other residential buildings, including hotels, motels, and tourist cabins	12 366	3 934	*3 871	4 561	20	20	51	24
Office buildings	27 780	14 667	9 096	4 016	14	12	35	8
Other commercial buildings such as stores, restaurants, and automobile service stations	71 595	52 096	12 596	6 902	6	6	15	17
Industrial buildings and warehouses	34 562	21 637	7 537	5 386	7	10	13	4
Industrial buildings	29 830	19 036	5 900	4 893	7	11	12	3
Warehouses	4 732	2 601	*1 637	493	30	27	43	16
Religious buildings	9 736	6 964	1 356	1 415	11	14	6	30
Educational buildings	46 632	28 280	14 823	3 528	4	6	4	22
Hospitals and institutional buildings	24 561	11 051	8 581	4 929	17	23	17	38
Other nonresidential buildings	18 965	11 459	4 770	3 119	(NA)	(NA)	(NA)	(NA)
Nonbuilding construction	346 557	181 943	128 553	36 060	2	4	2	6
Highways, streets, and related work such as installation of guard rails, highway signs, lighting, etc.	155 194	47 901	98 001	9 292	2	4	1	8
Private driveways and parking areas	6 473	4 379	781	1 311	19	19	20	26
Bridges, tunnels, and elevated highways	9 227	1 691	5 703	1 832	5	1	(Z)	27
Conservation and development construction	15 207	10 755	3 228	1 223	28	38	27	10
Power and communication transmission lines, towers, and related facilities	32 631	24 010	7 227	1 394	9	2	27	20
Sewers, water mains, and related facilities	26 544	21 928	1 928	2 687	7	7	6	28
Sewers, sewer lines, septic systems, and related facilities	13 965	10 960	995	2 010	8	6	12	33
Water mains and related facilities	12 579	10 968	933	*677	12	12	(Z)	42
Pipeline construction other than sewer or water lines	5 431	4 283	*444	702	16	12	41	23
Blast furnaces, petroleum refineries, chemical complexes, etc.	15 533	8 010	1 333	6 190	5	(Z)	3	12
Oilfields	13 946	9 582	2 387	1 975	9	10	8	8
Other nonbuilding construction	66 371	49 404	9 878	18 279	(NA)	(NA)	(NA)	(NA)
Construction work, n.s.k.	37 753	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

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

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:48:49 EPCV23 TLP:J_EV_AREATAB.TLP;16 3/ 25/ 96 13:47:17 DATA:J_EV_T1_56.TXT;1 3/ 25/ 96 13:33:37 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 7
TSF:TIPS92-13480988.DAT;1 3/ 25/ 96 13:48:15 UTF:TIPS93-13480988.DAT;1 3/ 25/ 96 13:48:15 META:TIPS96-13480988.DAT;1 3/ 25/ 96 13:48:41

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
15, 16, 17	**Construction industries**	**1 692**	**9 012**	**7 625**	**9 072**	**10 288**	**9 065**	**1**	**2**	**2**	**2**	**2**	**2**
15	**Building construction—General contractors and operative builders:**												
152	General contractors, residential buildings:												
1521	Single-family houses	377	1 245	1 015	1 280	1 396	1 290	6	9	9	9	9	9
1522	Other residential buildings	*13	*58	(S)	*49	*94	*40	52	69	(S)	73	65	65
1531	Operative builders	18	(S)	(S)	(S)	(S)	(S)	30	(S)	(S)	(S)	(S)	(S)
154	General contractors, nonresidential buildings:												
1541	Industrial buildings and warehouses	22	386	506	335	466	238	29	8	10	5	16	7
1542	Nonresidential buildings, n.e.c.	85	484	399	504	501	533	19	12	12	13	12	15
16	**Heavy construction other than building construction—contractors:**												
1611	Highway and street construction	66	1 041	689	1 178	1 415	883	20	7	5	6	9	7
162	Heavy construction, except highway:												
1622	Bridge, tunnel, and elevated highway construction	*8	172	98	169	264	159	50	25	27	16	31	23
1623	Water, sewer, and utility lines	37	716	598	660	758	848	23	12	14	10	11	12
1629	Heavy construction, n.e.c.	111	865	747	843	943	927	15	7	6	7	9	6
17	**Special trade contractors:**												
1711	Plumbing, heating, and air-conditioning	192	662	610	627	699	711	6	7	8	7	7	9
1721	Painting and paper hanging	79	254	166	274	318	256	6	14	12	14	17	17
1731	Electrical work	168	891	870	847	898	948	2	4	4	4	5	6
174	Masonry, stonework, tile setting, and plastering:												
1741	Masonry, stone setting, and other stonework	50	198	184	176	(S)	213	8	12	14	10	(S)	18
1742	Plastering, drywall, and insulation work	55	245	180	264	221	315	21	15	9	18	22	12
1743	Terrazzo, tile, marble, and mosaic work	*17	22	*26	*30	17	13	46	36	58	51	14	(Z)
175	Carpentry and floor work:												
1751	Carpentry	74	158	156	172	175	129	11	16	17	15	15	17
1752	Floor laying and other floor work	17	32	24	31	40	34	11	6	6	4	5	4
1761	Roofing, siding, and sheet metal work	53	395	323	357	485	415	10	19	17	18	22	16
1771	Concrete work	73	367	271	409	420	365	9	7	8	7	7	6
1781	Water well drilling	20	57	53	61	62	53	11	12	12	14	10	12
179	Miscellaneous special trade contractors:												
1791	Structural steel erection	6	(D)	(D)	(D)	(D)	(D)	(Z)	(D)	(D)	(D)	(D)	(D)
1793	Glass and glazing work	3	(D)	(D)	(D)	(D)	(D)	(Z)	(D)	(D)	(D)	(D)	(D)
1794	Excavation work	42	*129	80	*142	*149	*147	27	41	37	44	43	41
1795	Wrecking and demolition work	–	–	–	–	–	–	–	–	–	–	–	–
1796	Installing building equipment, n.e.c.	*9	40	37	39	46	37	61	26	30	28	24	15
1799	Special trade contractors, n.e.c.	97	528	481	556	629	447	18	12	11	12	14	11

[1]Construction workers during pay periods including 12th of March, May, August, and November.

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:48:49 EPCV23 TLP:J_EV_AREATAB.TLP;16 3/ 25/ 96 13:47:17 DATA:J_EV_T1_56.TXT;1 3/ 25/ 96 13:33:37 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 8
TSF:TIPS92-13480988.DAT;1 3/ 25/ 96 13:48:15 UTF:TIPS93-13480988.DAT;1 3/ 25/ 96 13:48:15 META:TIPS96-13480988.DAT;1 3/ 25/ 96 13:48:41

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 subcontracted out to others	Value of construction work subcontracted in from others	Rental cost for machinery, equipment, and buildings
15, 16, 17	**Construction industries**	**6.5**	**21.5**	**101.6**	**.257**	**.347**	**.189**	**.212**	**.027**
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	4.0	17.0	110.3	.189	.398	.267	.036	(S)
1522	Other residential buildings	*5.0	22.8	*106.0	*.248	*.125	*.455	–	.005
1531	Operative builders	(S)	(S)	(S)	(S)	.331	.383	(S)	(S)
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	21.2	33.2	132.6	.299	.186	.316	.072	.044
1542	Nonresidential buildings, n.e.c.	7.4	20.0	198.9	.130	.226	.570	(S)	.012
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	18.4	25.7	125.9	.240	.348	.163	.122	.044
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	27.8	21.0	118.4	.217	.348	.248	.174	.025
1623	Water, sewer, and utility lines	23.0	22.1	95.3	.279	.404	.078	.169	.047
1629	Heavy construction, n.e.c.	9.4	28.8	96.6	.358	.250	.106	.090	.059
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	4.6	22.8	121.9	.248	.430	.099	.365	.015
1721	Painting and paper hanging	3.7	(D)	43.3	(D)	(D)	(D)	.587	.008
1731	Electrical work	6.9	25.1	95.3	.341	.411	.035	.473	.018
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	4.6	13.9	58.7	.273	.276	.031	.706	.009
1742	Plastering, drywall, and insulation work	5.5	20.2	74.8	.336	.324	.014	.564	.023
1743	Terrazzo, tile, marble, and mosaic work	1.7	17.3	83.9	.273	.416	*.022	.954	.017
175	Carpentry and floor work:								
1751	Carpentry	2.4	15.4	56.4	.301	(S)	(S)	.531	.005
1752	Floor laying and other floor work	2.2	11.1	47.1	.271	.557	.043	.588	.024
1761	Roofing, siding, and sheet metal work	8.7	14.9	60.2	.287	.508	.057	.532	.012
1771	Concrete work	5.6	17.7	(D)	(D)	(D)	(D)	(D)	(D)
1781	Water well drilling	3.7	(D)	(D)	(D)	(D)	(D)	(D)	(D)
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	6.8	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1793	Glass and glazing work	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1794	Excavation work	3.5	17.0	78.5	.248	.240	*.082	.432	.022
1795	Wrecking and demolition work	–	–	–	–	–	–	–	–
1796	Installing building equipment, n.e.c.	(D)	(D)	97.9	(D)	.350	–	(D)	(D)
1799	Special trade contractors, n.e.c.	6.3	12.6	43.9	.331	.400	.127	.318	.052

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

[Not applicable]

TIPS UPF [MCD_CMCB,J_EVANS] 3/ 25/ 96 13:48:49 EPCV23 TLP:J_EV_AREATAB.TLP;16 3/ 25/ 96 13:47:17 DATA:J_EV_T1_56.TXT;1 3/ 25/ 96 13:33:37 UPF:CON_CENPROD:[CEN.DATA]J_EV_T PAGE: 9
TSF:TIPS92-13480988.DAT;1 3/ 25/ 96 13:48:15 UTF:TIPS93-13480988.DAT;1 3/ 25/ 96 13:48:15 META:TIPS96-13480988.DAT;1 3/ 25/ 96 13:48:41

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
15	**BUILDING CONSTRUCTION—GENERAL CONTRACTORS AND OPERATIVE BUILDERS**
152	**General Building Contractors—Residential Buildings**
1521	General Contractors—Single-Family Houses
1522	General Contractors—Residential Buildings, Other Than Single-Family
153	**Operative Builders**
1531	Operative Builders
154	**General Building Contractors—Nonresidential Buildings**
1541	General Contractors—Industrial Buildings and Warehouses
1542	General Contractors—Nonresidential Buildings, Other Than Industrial Buildings and Warehouses
16	**HEAVY CONSTRUCTION OTHER THAN BUILDING CONSTRUCTION—CONTRACTORS**
161	**Highway and Street Construction, Except Elevated Highways**
1611	Highway and Street Construction Contractors, Except Elevated Highways
162	**Heavy Construction, Except Highway and Street Construction**
1622	Bridge, Tunnel, and Elevated Highway Construction Contractors
1623	Water, Sewer, Pipeline, and Communications and Power Line Construction Contractors
1629	Heavy Construction Contractors, Not Elsewhere Classified
17	**CONSTRUCTION—SPECIAL TRADE CONTRACTORS**
171	**Plumbing, Heating, and Air-Conditioning Special Trade Contractors**
1711	Plumbing, Heating, and Air-Conditioning Special Trade Contractors
172	**Painting and Paper Hanging Special Trade Contractors**
1721	Painting and Paper Hanging Special Trade Contractors

SIC code	Industry titles
17	**CONSTRUCTION—SPECIAL TRADE CONTRACTORS—**Con.
173	**Electrical Work Special Trade Contractors**
1731	Electrical Work Special Trade Contractors
174	**Masonry, Stone Work, Tile Setting, and Plastering Special Trade Contractors**
1741	Masonry, Stone Setting, and Other Stone Work Special Trade Contractors
1742	Plastering, Drywall, Acoustical, and Insulation Work Special Trade Contractors
1743	Terrazzo, Tile, Marble, and Mosaic Work Special Trade Contractors
175	**Carpentry and Floor Work Special Trade Contractors**
1751	Carpentry Work Special Trade Contractors
1752	Floor Laying and Other Floor Work Special Trade Contractors, Not Elsewhere Classified
176	**Roofing, Siding, and Sheet Metal Work Special Trade Contractors**
1761	Roofing, Siding, and Sheet Metal Work Special Trade Contractors
177	**Concrete Work Special Trade Contractors**
1771	Concrete Work Special Trade Contractors
178	**Water Well Drilling Special Trade Contractors**
1781	Water Well Drilling Special Trade Contractors
179	**Miscellaneous Special Trade Contractors**
1791	Structural Steel Erection Special Trade Contractors
1793	Glass and Glazing Work Special Trade Contractors
1794	Excavation Work 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)
    - Allenstown 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
Naugatuck 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
- lWilmington–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.