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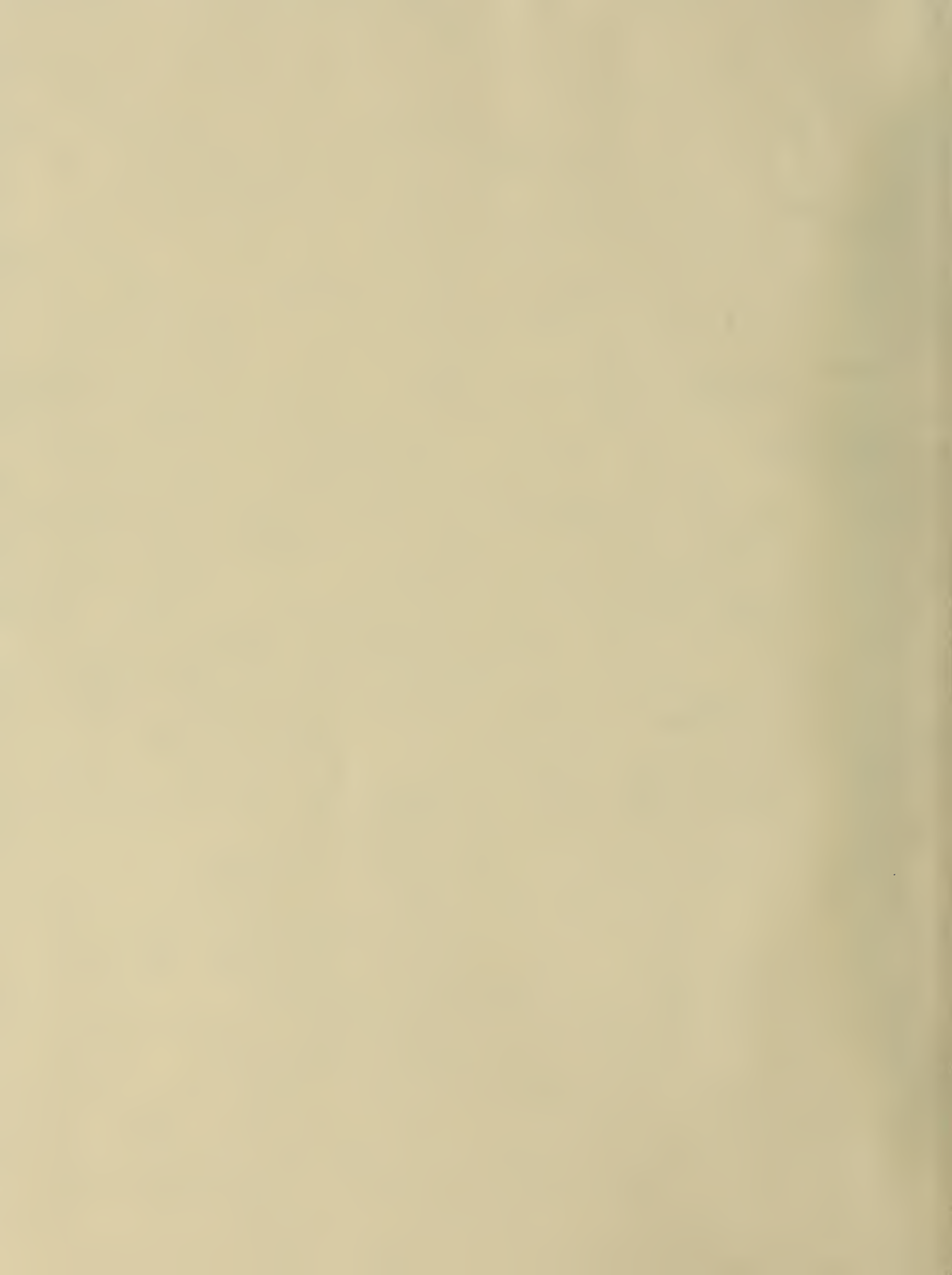
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Census of Construction Industries

CC82-A-6

GEOGRAPHIC AREA SERIES

East South Central States

Alabama, Kentucky, Mississippi, Tennessee



The publications
from the 1982 Economic and
Agriculture Censuses are dedicated
to the memory of Shirley Kallek,
Associate Director for Economic Fields.
During her career at the Bureau of the
Census (1955 to 1983), she continually
directed efforts to improve
the timeliness and accuracy of
economic statistics.

Census
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CC82-A-6

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East South Central States

Alabama, Kentucky, Mississippi, Tennessee

Issued April 1985



U.S. Department of Commerce
Malcolm Baldrige, Secretary
Clarence J. Brown, Deputy Secretary
Sidney Jones, Under Secretary for
Economic Affairs

BUREAU OF THE CENSUS
John G. Keane,
Director

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East South Central States

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ECONOMIC CENSUSES OVER TIME

The early beginnings of America's industrial output were first measured in the United States in the 1810 Decennial Census and again in 1820, when questions on manufacturing were included with those for population. Beginning with the 1840 Decennial Census, there were enumerations of manufactures and mineral industries at 10-year intervals up to and including the year 1900 for manufactures and 1940 for mineral industries. The latter census was taken again for 1954, 1958, 1963, and 1967.

Because of the increasing dominance of manufacturing in the early 20th century, Congress directed that quinquennial censuses of manufactures be taken beginning in 1905. However, from 1919 through 1939, these censuses were conducted every 2 years. The need for war-related current surveys in the early 1940's postponed the next census of manufactures until 1948 (for 1947). That census was again taken for 1954, 1958, 1963, and 1967.

Retail and wholesale trade data were first collected in 1930, and in 1933 information on selected service industries was added to the data-collection operation. These business censuses, as they were called, were again taken for 1935, 1939 (as part of the 1940 decennial program), 1948, 1954, 1958, 1963, and 1967.

Information on construction industries was first obtained in 1930 and again for 1935 and 1939. Data for the full spectrum of construction industries were not gathered again until 1968 (for 1967).

The need for transportation data to supplement information available from existing governmental or private sources was recognized by Congress in the late 1950's and early 1960's. The census of transportation (consisting of several surveys) was first taken for 1963 and again for 1967.

Since 1967, all of the above censuses have been taken quinquennially as part of the Census Bureau's economic census program. (For the 1977 censuses, the coverage of the service

industries was broadened from "selected services" to all services, except religious organizations and private households. A total of 41 additional four-digit standard industrial classifications¹ (SIC's) in 7 SIC major groups was added to the scope of the census. While most of the industries included for the first time for 1977 were covered again for 1982, some were not, i.e., hospitals; elementary and secondary schools; colleges, universities, and professional schools; junior colleges and technical institutes; labor unions and similar labor organizations; and political organizations.)

The first manufacturing census for an outlying area was conducted in Puerto Rico for the year 1909. Thereafter, with the exception of 1929, a census was taken at 10-year intervals through 1949. The first censuses of retail trade, wholesale trade, and selected service industries in Puerto Rico were conducted for 1939. These censuses also were taken for the years 1949, 1954, 1958, 1963, and 1967. A census of construction industries was first introduced in Puerto Rico for 1967. These censuses of Puerto Rico have been taken since then for the years 1972, 1977, and 1982.

Censuses of manufactures, retail trade, wholesale trade, and selected service industries were conducted in Guam and the Virgin Islands of the United States for 1958, 1963, 1967, 1972, 1977, and 1982. Censuses of mineral industries were taken in the Virgin Islands of the United States for the years 1958, 1963, and 1967 but not since that time. A census of construction industries was also undertaken in these areas for 1972, 1977, and 1982.

Retail trade, wholesale trade, selected service industries, manufacturing, and construction industries were canvassed for the first time in the Northern Mariana Islands in 1983 (for 1982).

For 1982, the economic censuses and agriculture censuses were conducted concurrently.

USES OF THE ECONOMIC CENSUSES

The economic censuses are the major source for facts about the structure and functioning of the Nation's economy and provide essential information for government, business, industry, and the general public. They provide an important part of the framework for such composite measures as the gross national product, input-output measures, indexes of industrial production, and indexes measuring productivity and price levels. Information from the censuses is used to establish sampling frames and as benchmarks for current surveys of business activity, which are essential for measuring short-term economic conditions.

¹Standard Industrial Classification Manual: 1972. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Stock No.041-001-00066-6. 1977 Supplement. Stock No. 003-005-00176-0.

State and local governments use census data to assess business activities within their jurisdictions. The private sector uses the data to forecast general economic conditions; analyze sales performance; lay out sales territories; allocate funds for advertising; decide on locations for new plants, warehouses, or stores; and measure potential markets in terms of size, geographic areas, kinds of business, and kinds of products made or sold.

Following every census, thousands of businesses and other users purchase reports. Likewise, census facts are widely disseminated by trade associations, business journals, and newspapers. Volumes containing census statistics are available in most major public and college libraries. All 1982 data are available on microfiche from the U.S. Government Printing Office and most data on computer tape from the Census Bureau. Finally, the more than 50 State Data Centers also are suppliers of economic census statistics.

AUTHORITY AND SCOPE OF THE ECONOMIC CENSUSES

The economic censuses are required by law under title 13 of the United States Code, sections 131, 191, and 224, which directs that they be taken at 5-year intervals for the years ending in 2 and 7. The 1982 Economic Censuses covered manufacturing, mining, construction industries, retail trade, wholesale trade, service industries, and selected transportation activities. Special programs also cover minority-owned and women-owned businesses. The next economic censuses are scheduled to be taken in 1988 for the year 1987.

METHOD OF ACCOUNTING AND TIME COVERED

For the census report, respondents could use any system of accounting by which they maintained their books. Therefore, reports could be based on cash, accrual, or completion of contract methods of accounting.

A report was supposed to cover the calendar year 1982. If that involved considerable costs, fiscal year reporting was permitted if it did not produce great differences. However, all payroll and employment figures had to be reported for the calendar year.

CENSUS OF CONSTRUCTION INDUSTRIES—SCOPE AND CLASSIFICATION

The 1982 Census of Construction Industries covers all employer establishments (establishments with payroll) primarily engaged in contract construction, construction on their own account for sale, or in subdividing real property into lots as defined in the 1972 Standard Industrial Classification (SIC) Manual.¹ 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, (2) other construction by general contractors, and (3) construction by special trade contractors.

1. **Building construction by general contractors**—General building contractors are primarily engaged in the construction of dwellings, office buildings, stores, farm buildings, and other projects of a similar character.
2. **Other construction by general contractors**—Often referred to as heavy construction contractors, these contractors are primarily engaged in the construction of highways, streets, bridges, and tunnels; docks and piers; dams and water projects; sewage collection, treatment, and disposal facilities; storm sewer systems; air fields; and other heavy construction which involves either earth moving or the erection of structures and appurtenances, other than buildings.
3. **Construction by special trade contractors**—Special trade contractors are primarily engaged in specialized construction activities such as plumbing, painting, electrical work, carpentry, etc.

General contractors in both the building and the heavy construction field usually assume responsibility for an entire construction project, but may subcontract to others 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.

Construction on their own account, for sale—Operative builders are primarily engaged in constructing buildings or other structures on their own account, acting as their own general contractor. These structures are generally sold when completed. Investment builders, primarily engaged in construction on their own account for rent or lease, were not included within the scope of the construction census.

Subdividers and developers, except cemeteries—The SIC manual defines subdividers and developers, except cemeteries, as establishments engaged in subdividing real property into lots, except cemetery lots, and in developing it for resale on their own account or for others.

In this system, each establishment is assigned an industry code on the basis of its major activity.

Each establishment receiving a questionnaire was requested to report the percent of total business receipts for each kind-of-business activity engaged in during 1982. 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 receipts to total business receipts 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, but in only a few instances do the SIC industry categories take into consideration combinations of activities. An example is SIC 1711, which includes establishments primarily engaged in plumbing, heating, air conditioning, ventilation, and refrigeration work. It is necessary, however, to assign a single industry code to the establishment based on its major activity.

¹Standard Industrial Classification Manual: 1972. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Stock No. 041-001-00066-6. 1977 Supplement. Stock No. 003-005-00176-0.

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 structure of the Standard Industrial Classification System makes it possible to classify or tabulate establishments by major group (two-digit), industry group (three-digit), or industry (four-digit) according to the degree of detail available and needed.

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 which has been established for the management of more than a single project or job and is expected to be maintained on a continuing basis. Such "establishment" activities include, but are not limited to, estimating, bidding, scheduling, purchasing, supervising, and operating the actual construction work being conducted at one or more construction sites.

Exceptions to the "relatively permanent office" rule were that: (1) in case of joint ventures, a separate establishment report was required covering the joint venture entity even though established to undertake only a single project; and (2) to the extent that separate legal entities were set up to carry out only a given project or part of a project, then a separate establishment report was also required for each legal entity.

To the extent that several companies shared or operated out of a single office or place of business, each such legal entity engaged in construction was considered a separate establishment and each was requested to file the necessary "establishment" report covering the activities it conducted in or from that common office.

Companies with more than one construction establishment were required to submit a separate report for each such establishment operated during all or any part of 1982.

Separate construction reports were not required for each project or construction site. Aggregated information was included in the report of the construction establishment responsible for the work of the construction projects and sites.

If an establishment engaged in two or more distinctly different lines of economic activity (wholesale or retail trade, service, manufacturing, construction, mining, etc.) at the same place of business, it was requested to file a separate report appropriate to 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 1982 gross receipts from construction activities exceeded the gross receipts from each of its other activities.

An establishment is not necessarily identical with a "company" or "enterprise," which may consist of one or more establishments. The census of construction industries figures represent a summary of records for individual establishments rather than for companies. The census tabulations, therefore, differ from those prepared on a company basis.

Construction businesses with no payroll during 1982 (nonemployers) were not required to file census reports. Collection and tabulation of data for these businesses are described in the section on "Sample Design." Foreign construction activities were not included in this census.

SAMPLE DESIGN, ESTIMATION PROCEDURES, AND RELIABILITY OF ESTIMATES

The firms included in the 1982 Census of Construction Industries were identified as part of an operation common to all 1982 Economic Censuses. Construction firms were divided into employers (firms with payroll) and nonemployers (firms 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 them were obtained from administrative records of other agencies of the Federal Government based on information supplied directly to the agencies.

Employer Firms

Developing the sampling frame for employer firms—This operation started with obtaining a list of all construction firms in the active records of the Internal Revenue Service (IRS) which were subject to payment of Federal Insurance Contributions Act taxes. The basic source for this list has been the Internal Revenue Service Business Master File, a comprehensive list of firms engaged in business activities in the United States. The file contains the name, address, and form of ownership of each firm and also indicates whether or not the firm is subject to the Federal Insurance Contributions Act. Each firm 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 firm. 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 firms. However, for the 1982 Economic Censuses the basic reporting unit is the "establishment." Therefore, steps were taken to identify the individual establishments of those firms 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 firms and large single-establishment firms. Thus, the 1982 Economic Census list for single-establishment employer firms was obtained from the IRS-SSA, but the list of establishments of multi-establishment employer companies was obtained directly from those companies in the COS.

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

For 1982, some data will be published for Standard Consolidated Statistical Areas (SCSA's) and selected Standard Metropolitan Statistical Areas (SMSA's). Therefore, each establishment was assigned to an SMSA code or to the balance of a State. The balance of the State was considered to be a separate cell for the selection process. In States where none of the SMSA's had more than 500,000 inhabitants in the 1970 Decennial Census, all establishments were assigned to the balance of the State.

Selecting the employer sample—A construction universe of about 464,000 single establishment employer firms and 6,500 multiestablishment employers, accounting for another 13,000 construction establishments, was developed by the procedures described above. From this universe, a sample of 172,000 employer establishments was selected. This sample was generally organized by standard industrial classification (SIC) in State sequence. The sample was designed to provide publishable estimates for the most construction industries at the State and selected SMSA level. It consisted of all construction establishments in multiestablishment companies, all single-establishment companies with the payroll equivalent of 20 employees or more, and a sample of single-establishment companies with less than 20 employees. There were three SIC's for which this standard plan was not used: 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.

The number of establishments classified in each of these three industries is very small and consequently, all single-unit establishments in these three industries were included in the sample. For sampling purposes, the number of employees was estimated from the 1981 payroll data in the administrative records, using an industry average wage per employee. The sampling was accomplished using a systematic method within each four-digit SIC. If the SIC code for an establishment was not complete, it was sampled as part of a two-digit group (e.g., 1520 was sampled as 1500, 1620 as part of 1600) except for non-classifiable cases in two-digit group 17. These were sampled as part of 1799 which is Special Trade Contractors, Not Elsewhere Classified. For the establishments with less than 20 employees, the sample was selected by sorting the establishments into State by SMSA by SIC by payroll sequences, and drawing a systematic sample of at least two establishments within each cell, with the probability of selection being proportional to the 1981 payroll. If the State-SMSA-SIC cell had two or less establishments in the frame, all establishments were selected (a 100-percent sample). A 100-percent sample was taken of the construction firms identified from the NC-9923, General Report, and of the transfers from other census trade areas. These latter cases were identified during the processing stages. These were caused either by changes of activity in the firm since the last updating of the classification file, or errors in the mailout classification. These cases were all added to the construction census, with certainty.

Estimation procedures for 1982 and 1977 data—Since all larger employer firms and some smaller ones were included in the census, sample estimation was required only for the universe of firms not selected with certainty. The published statistics are the totals of the estimates for the sampled firms and the

aggregates for the certainty (larger) firms. All estimates for 1982 and 1977 published here are simple unbiased estimates of the form:

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

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.

This method of estimation was used for all 1982 and 1977 characteristics. Before this formula was applied, it was necessary to convert into dollars those distributions of construction receipts which had been reported by the establishments as percentages—construction receipts by type of project, location of project, etc.

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 estimates 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.

Although relative standard errors have been calculated for all of the published statistics, they are shown for each statistic only in the tables presenting detailed statistics. The other tables show relative standard errors only for some characteristics because of lack of space.

Separate measures of reporting and processing errors are not available. However, estimates which were subject to large errors of these types are likely to have been detected and corrected, or withheld from publication in the process of the review of the data for reasonableness and consistency. Other specific qualifications of the published data are indicated in footnotes to the tables.

The statistics in this report were based on data received by the time of final publication. Data were imputed for

establishments that did not report by that date. Selected establishments were contacted again to obtain as much information on the telephone as possible. Late data received in early 1984 were substituted for imputed data when the difference between the two was significant. Some publication cells in which more than 50 percent of the data were imputed have been suppressed.

Nonemployer Firms

General—As described earlier, the information derived from the business income tax returns of all firms 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 firms without payroll were treated as nonemployers. The nonemployer construction firms 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. In 1982, this group accounted for 60 percent of the total number of construction establishments, but accounted for only 8 percent of all business receipts of all construction establishments.

Qualifications to the nonemployer data—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.

CENSUS REPORT FORMS

Information for the 1982 Census of Construction Industries was obtained from employer establishments primarily through the use of eight questionnaires, determined by industry classification and size. Standard forms and short forms were developed for each of the three two-digit SIC groups (15, 16, and 17), and for the establishments classified in SIC 6552. Establishments with 50 or more employees all received the standard form. A sub-sample of establishments with fewer than 50 employees received short forms instead of the standard forms. The short forms covered only major items and omitted most of the detail found in the longer forms.

In reviewing and developing the questionnaires, comments and recommendations were solicited from construction trade associations and appropriate advisory groups. The Census Bureau surveyed several thousand firms representing all economic activities to gain insight into the way companies maintain records and to see whether new information could be collected.

DATA PROCESSING

The 1982 census report forms were mailed out in December 1982. Collection of these report forms, also by mail, was essentially completed in July 1983. They were mailed from and

returned to the Census Bureau's Data Preparation Division in Jeffersonville, Ind., where routine editing and coding of the report forms were also accomplished.

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 in Washington, D.C.

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 the small number of reports not received in time for tabulation. The imputation was performed on an industry (or industry group)-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 1982 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. Separate State codes were assigned based on this information.

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

DUPLICATION IN RECEIPTS

The aggregate of construction receipts 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 (and the receipts) of one firm may be subcontracted to other construction firms and also be included in the subcontractors' receipts. To avoid this duplication, a "net construction receipts" figure has been derived for each establishment by subtracting the payments made for construction work subcontracted to others from the total construction receipts.

Duplication in receipts between other construction and non-construction 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 1982 Census of Construction Industries as equal to all business receipts less payments for construction work subcontracted to others and payments for materials, components, supplies, and fuels. However, for SIC 6552 and SIC 1531 where land receipts are significant, value added is defined as equal to all business receipts less land receipts, payments for construction work subcontracted to others, and payments for materials, components, supplies, and fuels.

SPECIAL TABULATIONS

Special tabulations of data collected in the 1982 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, Construction Statistics Division, Bureau of the Census, Washington, D.C., 20233.

To discuss a special tabulation before submitting specifications, call 301-763-5435.

RELATIONSHIPS OF THE ECONOMIC CENSUSES TO CURRENT SURVEYS

The Census Bureau also conducts current surveys (monthly, quarterly, and annually) to keep abreast of the rapid changes in business conditions, new processes, new materials, and shifting demands of goods and services. The census universe provides the sampling frame, weights, and benchmarks on which some of these current surveys are based. The accuracy of the measures derived from these current surveys is directly related to the completeness of information provided in the censuses.

COMPARABILITY OF CENSUS OF CONSTRUCTION INDUSTRIES DATA WITH OTHER DATA

Data contained in the reports of the 1982 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, but only for establishments classified in the construction industry. Force account construction activity—construction work performed by the labor force of a nonconstruction company for itself, or by other entities (Federal, State, or local governments) for themselves, or by property owners for themselves—probably accounts for more than half of the difference in the data of the two series of reports. Other factors contributing to the difference are that the census data do not include: (1) the value of materials supplied by the owners of projects, (2) the value of separate architectural and engineering services and, to a lesser extent, (3) the value of construction work performed for others by firms outside the scope of construction (manufacturers who install, lumber yards and other businesses, etc.).

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. Their effect is not fully known.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in this publication:

- * Sampling error exceeds 40 percent.
- ** All employees (average) is the sum of construction workers during pay period including 12th of March, May, August, and November divided by 4, added to all others, March 12th.
- Represents zero.
- † Represents total construction receipts less payments for construction work subcontracted to others. (See Duplication in Receipts.)
- †† Represents all business receipts less payments for construction work subcontracted to others, and payments for materials, components, supplies, and fuels. In SIC's 1531 and 6552, land receipts are also subtracted from "all business receipts." (See Duplication in Receipts.)
- ‡ Possible duplication in data. (See Duplication in Receipts.)
- (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 standard error, or a consistency review.
- (W) Greater than zero but less than 1 percent.
- n.s.k. Not specified by kind.

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

Statistics	By State	By industry	By employ- ment size	By receipts size	By type, class, ownership, kind of business, and location of construction ¹	By SCSA and SMSA ²
Assets and depreciation (gross book value):						
Beginning of year—structures, machinery and equipment	5					
End of year—total	3, 5	3	7	8		
End of year—structures, machinery and equipment	5					
Depreciation charges during the year— structures, machinery and equipment	5					
Capital expenditures:						
Total capital expenditures	3, 5	3	7	8		12
New structures—machinery and equipment	5					
Used structures—machinery and equipment	5					
Communication services, payments for	4					
Employees:						
All employees—average number	1, 3	3	7	8		12
Construction workers—average number	3, 4, 10	3, 10				
Other employees—March	4					
Employer costs for fringe benefits—legally required and voluntary expenditures	4					
Establishments:						
Number in business at end of year	4					
Number in business during the year:						
All	1			2		
With payroll	1, 3, 4, 6, 10	3, 10	7	2, 8		12
Without payroll	1			2		
Hours—construction workers:						
Total	3, 4, 10	3, 10	7	8		
Quarterly	4, 10	10				
Inventories	6					
Materials, components, supplies, and fuels— payments for	3, 4	3	7	8		12
Payroll:						
First quarter, all employees	4					
Annual:						
All employees	3, 4	3	7	8		12
Construction workers	3, 4	3				
Other employees	4					
Power, fuels, and lubricants—payments for	4					
Proprietors and working partners:						
All establishments	1			2		
Establishments with payroll	1, 4			2		
Establishments without payroll	1			2		
Ratios, industry	11	11				
Receipts:						
All business receipts:						
All establishments	1			2		
Establishments with payroll	1, 4		7	2, 8		
Establishments without payroll	1			2		
Construction receipts, total	3, 4, 6	3	7	8	4, 9	12
For work subcontracted in from others	4					
Other business receipts and land receipts	4					
Net construction receipts	3, 4	3	7	8		12
Value added	3, 4	3	7	8		12
Rental payments:						
Total	3, 4	3	7	8		
For machinery and equipment	4					
For structures	4					
Repairs to structures and related facilities	4					
Repairs to machinery and equipment	4					
Storage capacity for fuels ³	4					
Subcontract work to others, payments for	3, 4	3	7	8		12

Note: Data for 1977 and earlier years are also available in some of these tables.

¹Type—buildings, roads, etc. Class—new construction or maintenance and repair work. Ownership—private or government owned.

²SCSA—Standard Consolidated Statistical Area; SMSA—Standard Metropolitan Statistical Area.

³Storage capacity for fuels shown only for SIC's 1611, 1622, 1623, and 1629.

Alabama

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SUMMARY OF FINDINGS

During 1982, 16,699 establishments in Alabama operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$4.9 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 10,917 establishments in this State with no payroll accounted for about 9 percent of all business receipts for all construction establishments in Alabama. On the other hand, 5,782 establishments classified as "employers" accounted for 91 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$4.5 billion, of which \$4.4 billion were receipts for construction work. These establishments paid \$1.3 billion for construction work subcontracted to others, leaving net construction receipts of about \$3.0 billion. Value added for these establishments amounted to \$1.7 billion. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Alabama paid \$1.3 billion for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$86.8 million were also made for selected power, fuels, and

lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Alabama was 67.4 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 21.7 million hours, while hours worked during the third quarter were 24.5 million hours.

Total payroll for 1982 was \$1.0 billion. Payments of \$187 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Alabama are based on a sample of about 2,382 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[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**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K		
1982														
	Construction Industries and subdividers and developers.....	16 699	12 695	87 397	4 926 895	10 917	10 829	437 510	5 782	2 066	87 397	4 489 385	1	1
15,16,17	Construction Industries ¹	16 314	12 508	(D)	4 840 360	10 607	10 447	369 751	5 707	2 061	(D)	4 470 609	-	1
15	General building contractors and operative builders.....	4 054	2 694	24 446	2 330 373	2 459	2 278	170 702	1 595	416	24 446	2 159 671	2	1
18	Heavy construction, general contractors ..	619	319	(D)	1 024 523	189	192	12 344	430	127	(D)	1 012 179	-	1
17	Special trade contractors.....	11 641	9 495	29 271	1 485 464	7 959	7 977	186 705	3 682	1 518	29 271	1 298 759	2	2
1711	Plumbing, heating, and air conditioning....	1 578	1 067	6 020	358 923	759	765	28 771	819	302	6 020	330 152	4	3
1731	Electrical work.....	924	578	4 487	220 907	474	472	11 637	450	106	4 487	209 270	5	4
6552	Subdividers and developers, n.e.c. ²	376	183	(D)	(S)	310	182	67 759	66	1	(D)	(S)	-	-
1977														
	Construction Industries and subdividers and developers.....	18 122	15 567	80 752	3 862 148	10 722	10 733	245 527	7 400	4 834	80 752	3 616 621	1	1
15,16,17	Construction Industries ¹	17 856	15 360	80 194	3 814 278	10 546	10 564	230 566	7 310	4 796	80 194	3 583 712	1	1
15	General building contractors and operative builders.....	4 603	3 396	30 005	1 956 492	2 021	1 932	120 272	2 582	1 464	30 005	1 836 220	3	2
18	Heavy construction, general contractors ..	926	682	16 834	744 976	363	363	11 488	563	319	16 834	733 488	2	1
17	Special trade contractors.....	12 327	11 282	33 355	1 112 810	8 162	8 269	98 806	4 165	3 013	33 355	1 014 004	2	1
1711	Plumbing, heating, and air conditioning....	1 625	1 359	8 826	323 741	754	775	14 951	871	584	8 826	308 790	3	3
1731	Electrical work.....	1 028	808	5 397	178 496	543	545	8 127	485	263	5 397	170 369	4	3
6552	Subdividers and developers, n.e.c. ²	272	207	560	47 876	176	169	14 961	96	38	560	32 915	20	20

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.
²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977

[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]

Receipts size	All establishments				Establishments without payroll ¹			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts	J	K
	A	B	C	D	E	F	G	H	I	J	K	J	K
1982													
The State -----	16 699	12 695	67 397	4 926 895	10 917	10 629	437 510	5 782	2 066	67 397	4 489 385	1	1
\$10,000,000 or more -----	53	4	18 324	(D)	2	2	(D)	51	2	18 324	(D)	(W)	-
\$5,000,000 to \$9,999,999 -----	85	11	6 216	(D)	2	-	(D)	83	11	6 216	(D)	(W)	-
\$2,500,000 to \$4,999,999 -----	145	23	7 010	2 974 594	10	17	82 519	135	6	7 010	2 892 075	(W)	(W)
\$1,000,000 to \$2,499,999 -----	429	44	10 259	674 058	24	21	39 162	405	23	10 259	634 896	3	4
\$500,000 to \$999,999 -----	605	122	8 154	438 103	47	35	31 693	558	87	8 154	406 410	5	6
\$250,000 to \$499,999 -----	839	231	6 027	288 975	120	100	41 127	719	131	6 027	247 848	7	6
\$100,000 to \$249,999 -----	1 737	902	6 111	275 119	501	427	74 061	1 236	475	6 111	201 058	7	5
\$50,000 to \$99,999 -----	1 857	1 367	2 660	131 554	877	831	60 273	980	536	2 660	71 281	8	6
\$25,000 to \$49,999 -----	2 061	1 670	1 548	72 550	1 354	1 316	46 998	707	354	1 548	25 552	9	7
Less than \$25,000 -----	8 886	8 319	1 086	71 941	7 980	7 880	61 677	906	439	1 086	10 264	7	7
\$10,000 to \$24,999 -----	(NA)	(NA)	(NA)	(NA)	2 556	2 530	39 444	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	2 230	2 203	15 127	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,000 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	2 040	2 009	5 952	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,000 -----	(NA)	(NA)	(NA)	(NA)	1 154	1 138	1 154	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977													
The State -----	18 122	15 567	80 752	3 862 148	10 722	10 733	245 527	7 400	4 834	80 752	3 616 621	1	1
\$10,000,000 or more -----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 ² -----	86	23	23 057	(D)	2	3	(D)	84	20	23 057	1 388 275	3	(W)
\$2,500,000 to \$4,999,999 -----	137	17	8 992	1 878 237	1	-	17 638	136	17	8 992	472 324	(W)	1
\$1,000,000 to \$2,499,999 -----	391	72	12 226	593 422	6	4	8 961	385	68	12 226	584 461	1	3
\$500,000 to \$999,999 -----	708	188	9 988	493 026	48	36	31 269	660	152	9 988	461 757	4	5
\$250,000 to \$499,999 -----	978	464	8 472	340 355	64	49	21 526	914	415	8 472	318 829	4	6
\$100,000 to \$249,999 -----	1 764	1 215	8 555	280 642	278	253	42 493	1 486	962	8 555	238 149	5	5
\$50,000 to \$99,999 -----	1 802	1 575	4 717	126 823	445	445	30 625	1 357	1 130	4 717	96 198	7	7
\$25,000 to \$49,999 -----	1 960	1 780	2 711	70 013	870	904	29 969	1 090	876	2 711	40 044	9	9
Less than \$25,000 -----	10 298	10 234	(S)	79 628	9 008	9 039	63 046	(S)	(S)	(S)	16 582	-	10
\$10,000 to \$24,999 -----	3 284	3 260	1 529	(D)	2 394	2 419	35 977	890	841	1 529	(D)	12	-
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	2 711	2 713	18 211	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	2 659	2 666	7 889	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 -----	(NA)	(NA)	(NA)	(NA)	1 244	1 241	969	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[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	1982							
		Number of establishments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
			A	B	C	D			
	Construction industries and subdividers and developers	5 782	67 397	54 729	1 029 730	776 988	92 712	4 374 981	3 043 654
15,16,17	Construction industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses	841	5 094	3 808	50 394	32 931	5 763	301 196	205 229
1522	Other residential buildings	115	1 265	1 057	17 598	13 012	1 772	138 306	76 047
1531	Operative builders	237	1 445	827	18 349	8 649	1 425	1126 446	73 536
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	108	8 429	7 303	175 495	143 540	15 417	629 783	(D)
1542	Nonresidential buildings, n.e.c.	294	8 213	6 580	127 833	89 683	11 333	929 748	398 511
16	Heavy construction general contractors:								
1611	Highway and street construction	138	2 907	2 482	40 665	30 543	4 345	227 213	182 349
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	23	1 518	1 347	22 150	17 420	2 025	102 033	77 856
1623	Water, sewer, and utility lines	125	3 147	2 780	43 736	35 257	4 883	145 801	124 780
1629	Heavy construction, n.e.c.	144	5 815	4 551	143 738	101 510	8 167	499 235	340 764
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning.....	819	6 020	4 762	88 771	67 166	7 984	325 998	293 928
1721	Painting, paper hanging, and decorating	265	1 719	1 500	21 265	17 524	2 287	51 553	48 509
1731	Electrical work	450	4 487	3 613	64 179	51 421	6 321	204 512	200 644
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework	220	1 465	1 393	12 458	11 116	1 559	27 653	26 142
1742	Plastering, drywall, and insulation work	209	2 194	1 886	29 340	23 478	2 820	91 589	86 779
1743	Terrazzo, tile, marble, and mosaic work	50	242	210	2 926	2 310	320	10 209	9 942
175	Carpentering and flooring:								
1751	Carpentering	326	1 056	1 007	8 163	7 533	1 379	30 495	26 740
1752	Floor laying and other floorwork.....	84	359	279	4 308	3 084	437	18 609	(D)
1761	Roofing and sheet metal work	319	3 289	2 659	36 405	28 495	3 994	117 551	112 186
1771	Concrete work	162	1 523	1 348	18 213	15 242	1 737	62 201	57 678
1781	Water well drilling	42	184	1 450	2 288	1 632	278	12 696	12 175
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	74	1 298	1 132	17 993	14 923	2 059	51 633	45 023
1793	Glass and glazing work	66	429	267	7 158	3 663	244	26 103	25 770
1794	Excavating and foundation work	210	2 465	1 633	30 948	23 977	2 715	114 993	102 771
1795	Wrecking and demolition work	13	61	50	705	543	78	1 831	1 783
1796	Installing building equipment, n.e.c.	65	1 121	896	26 450	20 801	1 439	63 336	59 071
1799	Special trade contractors, n.e.c.	308	(D)	1 067	14 220	10 087	1 670	53 332	50 348
6552	Subdividers and developers, n.e.c.	66	(D)	(S)	(S)	(S)	(S)	(S)	(S)

†Land receipts for SIC 1531 were \$16,334.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††	B	H	M	
I	J	K	L	M	N	O	P	Q				
1 725 329	1 409 915	1 331 327	46 947	70 781	752 925	80 752	3 495 064	1 515 343	1	1	3	15,16, 17
104 771 40 531	109 185 35 768	95 966 62 258	2 064 523	4 924 903	38 805 8 028	7 857 725	336 307 53 379	103 602 11 153	7 8	5 5	7 12	152 1521 1522
29 989	44 606	52 910	539	1 635	19 019	3 663	333 477	120 853	10	9	18	1531
244 421 171 836	(D) 231 932	(D) 531 237	2 873 4 280	2 802 5 963	24 880 70 236	10 116 7 644	450 506 591 198	179 178 133 264	1 2	- 2	6 2	154 1541 1542
108 194	87 166	44 864	4 339	9 819	136 824	6 565	328 449	168 530	4	3	1	1611
38 647 74 374 218 764	39 716 52 118 144 664	24 177 21 021 158 471	1 688 5 513 4 960	3 132 6 013 6 591	35 771 55 026 74 908	689 4 384 5 196	28 815 138 954 222 767	13 063 76 067 135 789	5 4 2	6 5 1	(W) 5 12	162 1622 1623 1629
150 337	147 744	32 070	3 062	4 890	60 056	8 826	304 385	148 076	4	3	7	1711
36 169	13 620	3 044	1 021	1 536	10 838	1 847	43 121	32 612	7	6	19	1721
106 264	99 138	3 867	1 610	2 334	34 983	5 397	169 186	101 367	5	4	7	1731
16 363 46 597 5 421	9 835 47 277 (D)	1 510 4 809 *267	611 675 *9	345 1 547 109	5 619 11 633 1 266	2 788 2 048 543	39 463 63 042 12 936	27 069 36 191 7 754	9 8 20	6 4 22	9 12 11	174 1741 1742 1743
16 510 8 768	11 147 (D)	3 754 (D)	159 137	849 *635	4 780 3 285	1 280 615	29 626 18 366	13 899 9 803	12 14	11 -	23 44	175 1751 1752
63 012	49 559	5 365	878	1 609	16 868	2 895	80 643	43 505	7	5	21	1761
34 039	23 702	4 523	1 105	2 142	23 082	1 177	24 296	13 124	11	7	14	1771
(D)	(D)	521	354	850	5 707	304	14 681	7 378	24	28	35	1781
34 088 14 589 66 052 1 775 46 948 32 250	12 815 (D) 37 738 310 15 127 22 540	6 610 333 12 222 48 4 265 2 984	1 246 272 7 244 130 677 910	3 100 322 6 405 116 478 1 486	12 608 5 867 61 211 1 104 11 544 11 143	1 569 346 1 520 134 573 1 493	51 177 11 508 46 486 2 206 36 839 42 864	30 419 6 991 33 710 2 075 25 195 24 665	7 16 4 7 4 -	5 14 4 15 2 10	6 39 3 (W) (W) 23	179 1791 1793 1794 1795 1796 1799
(S)	(S)	(S)	(S)	(S)	(S)	560	20 394	10 018	-	-	-	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 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	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year	5 782	7 400	6 541	4 920	2	3	3	3
Number of establishments in business at end of year	5 609	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Proprietors and working partners.....	2 066	4 834	4 844	3 939	5	5	5	5
All employees**	67 397	80 752	65 510	54 420	1	1	2	2
Construction workers:								
March.....	52 158	65 793	53 355	45 472	1	1	2	2
May.....	54 903	71 465	57 634	49 521	1	1	2	3
August.....	56 804	76 029	60 685	51 458	1	1	2	2
November.....	53 026	68 921	55 987	47 535	1	1	2	2
Average.....	54 729	70 589	57 600	49 004	1	1	2	2
Other employees:								
March.....	12 584	9 776	7 740	5 396	2	3	3	3
Construction worker hours (thousands):								
January to March	21 736	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
April to June.....	23 790	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
July to September.....	24 516	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
October to December.....	22 668	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Total hours worked.....	92 712	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Payroll, all employees	1 029 730	844 281	488 532	278 565	1	1	2	1
Payroll, construction workers	776 988	683 932	405 152	232 723	1	1	2	1
Payroll, other employees	252 741	160 348	83 380	45 872	1	3	2	2
First quarter payroll, all employees	235 588	179 990	(NA)	(NA)	1	1	(NA)	(NA)
Employer costs for fringe benefits.....	186 625	133 470	(NA)	(NA)	1	1	(NA)	(NA)
Legally required expenditures.....	137 051	89 155	(NA)	(NA)	1	1	(NA)	(NA)
Voluntary expenditures.....	49 574	44 315	(NA)	(NA)	1	1	(NA)	(NA)
All business receipts.....	4 489 385	3 616 621	2 073 766	1 180 394	1	1	2	1
Total construction receipts	4 374 981	3 495 064	2 022 463	1 155 195	1	1	2	1
Receipts for work subcontracted in from others	788 020	684 140	367 939	184 818	2	1	3	4
Land receipts ¹	22 812	(NA)	(NA)	(NA)	11	(NA)	(NA)	(NA)
Other business receipts.....	91 591	121 557	51 303	25 214	3	9	8	5
Net construction receipts†.....	3 043 654	2 620 646	1 525 708	863 900	1	1	2	1
Value added††	1 725 329	1 515 343	849 437	499 981	1	1	2	1
Selected payments	2 741 243	2 054 710	1 208 952	670 808	1	1	2	2
Materials, components, and supplies ²	1 323 104	1 107 660	712 197	379 756	1	1	3	2
Construction work subcontracted to others.....	1 331 327	874 419	496 755	291 305	1	1	3	2
Selected power, fuels, and lubricants.....	86 811	72 631	(NA)	(NA)	2	4	(NA)	(NA)
Electricity.....	12 058	9 847	(NA)	(NA)	2	4	(NA)	(NA)
Natural gas.....	3 583	4 988	(NA)	(NA)	3	11	(NA)	(NA)
Gasoline and diesel fuel (including gasohol).....	63 671	46 356	(NA)	(NA)	2	3	(NA)	(NA)
Other, including lubricating oils and greases.....	7 497	11 440	(NA)	(NA)	4	9	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³	1 740	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures	46 947	38 277	(NA)	(NA)	2	3	(NA)	(NA)
For machinery and equipment	38 116	32 713	18 780	13 477	2	3	3	2
For structures.....	8 831	5 564	(NA)	(NA)	4	4	(NA)	(NA)
Selected purchased services	70 267	66 089	(NA)	(NA)	1	2	(NA)	(NA)
Communication services	18 219	14 074	(NA)	(NA)	2	3	(NA)	(NA)
Repairs to structures and related facilities	3 292	2 953	(NA)	(NA)	4	4	(NA)	(NA)
Repairs to machinery and equipment.....	48 755	49 062	(NA)	(NA)	2	2	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts	4 374 981	3 495 064	2 022 463	1 155 195	1	1	2	1
Government owned	1 210 899	897 455	678 941	490 296	2	1	2	2
Privately owned	3 164 082	2 597 609	1 343 522	664 899	1	1	3	2

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 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	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets	721 951	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land	70 781	116 088	56 922	26 835	3	5	13	4
New	49 040	98 754	47 463	19 934	3	6	14	4
Used	21 740	17 333	9 459	6 901	7	6	9	8
Retirements and disposition of depreciable assets	39 807	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	752 925	620 083	316 155	(NA)	2	2	4	(NA)
Depreciation charges during year	94 185	67 933	39 353	(NA)	2	2	3	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets	124 156	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Capital expenditures, other than land	10 214	26 840	16 366	4 800	6	16	34	20
New structures and related facilities	8 033	25 605	13 727	2 619	7	22	50	20
Used structures and related facilities	2 181	1 235	2 639	2 181	3	10	18	20
Retirements and disposition of depreciable assets	7 615	(NA)	(NA)	(NA)	9	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	126 756	123 279	73 857	(NA)	4	7	13	(NA)
Depreciation charges during year	10 378	6 201	4 526	(NA)	3	7	12	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets	597 794	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land	60 566	89 249	40 556	22 035	3	4	6	5
New machinery and equipment, including automobiles and trucks	41 007	73 150	33 736	17 315	3	2	5	4
New automobiles and trucks, intended primarily for highway use	14 886	26 581	(NA)	(NA)	5	4	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks	19 559	16 099	6 820	4 720	7	6	8	7
Retirements and disposition of depreciable assets	32 192	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	626 169	496 805	242 298	(NA)	2	1	3	(NA)
Depreciation charges during year	83 806	61 732	34 827	(NA)	2	1	3	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

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

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	5 782	2
Total construction receipts	4 374 981	1
Establishments with inventories:		
Number	1 387	10
Total construction receipts	1 165 362	2
Inventories¹:		
End of 1982, total	63 308	9
Value for establishments with LIFO reserve	*1 431	44
Amount of LIFO reserve	*1 091	58
Value for establishments with no LIFO reserve	61 877	9
End of 1981, total	50 957	9
Value for establishments with LIFO reserve	1 099	26
Amount of LIFO reserve	762	35
Value for establishments with no LIFO reserve	49 858	9
Establishments with no inventories:		
Number	4 395	2
Total construction receipts	3 209 619	1

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

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

[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
1982										
Number of establishments	5 782	3 358	1 070	695	484	103	50	11	5	4
All employees**	87 397	8 598	6 989	9 556	14 754	7 073	7 479	4 194	3 651	7 103
Payroll, all employees	1 029 730	56 103	72 350	118 019	216 358	119 924	127 827	72 447	246 700	(D)
Construction worker hours (thousands)	92 712	7 985	7 992	11 689	19 814	10 356	10 753	6 276	17 844	(D)
All business receipts	4 489 385	318 647	333 183	501 441	1 524 356	(D)	610 789	1 200 969	(D)	(D)
Total construction receipts	4 374 981	305 256	324 458	486 818	912 309	570 988	583 314	328 124	863 714	(D)
Net construction receipts†	3 043 654	248 933	264 858	379 082	693 882	378 516	343 836	211 795	179 973	344 777
Value added††	1 725 329	132 644	145 417	212 361	382 899	211 733	189 875	115 946	334 452	(D)
Payments for materials, components, supplies, and fuels	1 409 915	118 945	124 862	175 983	338 423	174 986	181 436	295 278	(D)	(D)
Payments for construction work subcontracted to others	1 331 327	58 323	59 599	107 735	218 427	192 472	239 478	116 329	338 964	(D)
Rental payments for machinery, equipment, and structures	46 947	3 043	4 106	5 016	9 667	6 894	7 505	1 418	9 297	(D)
Capital expenditures, other than land	70 781	4 702	7 486	9 787	17 945	7 371	13 787	3 429	2 509	3 763
End-of-year gross book value of depreciable assets	752 925	66 786	80 848	103 564	186 996	83 448	132 629	34 149	64 504	(D)
1977										
All employees**	80 752	8 709	10 546	11 594	15 271	9 694	6 769	6 699	3 963	7 506
Total construction receipts	3 495 064	343 081	388 420	430 118	657 135	425 946	387 751	433 969	176 015	252 630
Value added††	1 515 343	134 533	167 152	173 724	273 164	181 901	160 778	171 218	88 666	164 207
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	3	5	5	3	(W)	(W)	(W)	(W)	(W)
Net construction receipts†	1	4	5	5	2	(W)	(W)	(W)	(W)	(W)
Capital expenditures, other than land	3	13	13	14	2	(W)	(W)	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

[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 all business receipts of—									
		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
1982											
Number of establishments	5 782	906	707	980	1 236	719	558	405	135	83	51
All employees**	67 397	1 086	1 548	2 660	6 111	6 027	8 154	10 259	7 010	6 216	18 324
Payroll, all employees	1 029 730	3 165	7 103	18 363	50 856	67 200	102 496	157 926	109 136	111 308	402 175
Construction worker hours (thousands)	92 712	981	1 395	2 754	6 742	7 261	10 275	14 185	10 346	9 528	29 240
All business receipts	4 489 385	10 264	25 552	71 281	201 058	247 848	406 410	634 896	2 892 075	(D)	1 856 474
Total construction receipts	4 374 981	9 953	25 166	89 989	197 595	237 125	392 647	616 141	457 762	547 981	1 820 621
Net construction receipts†	3 043 654	8 759	22 595	63 493	177 271	205 560	322 576	484 878	338 527	373 275	1 046 718
Value added††	1 725 329	5 311	13 914	36 173	95 990	119 735	179 020	270 247	195 068	202 292	607 575
Payments for materials, components, supplies, and fuels	1 409 915	3 618	8 885	28 040	83 050	93 389	152 684	226 651	152 734	185 865	474 995
Payments for construction work subcontracted to others	1 331 327	1 193	2 571	6 495	20 323	31 565	70 071	131 263	119 235	174 706	773 903
Rental payments for machinery, equipment, and structures	46 947	191	360	529	2 136	2 708	4 582	7 521	5 113	8 348	15 456
Capital expenditures, other than land	70 781	*124	296	1 008	3 863	4 864	11 180	11 692	6 748	14 030	16 972
End-of-year gross book value of depreciable assets	752 925	3 169	8 158	17 399	55 286	57 636	91 050	131 311	81 362	105 382	202 168
1977											
All employees**	80 752	(S)	2 711	4 717	8 555	8 472	9 988	12 226	8 992	123 057	(NA)
Total construction receipts	3 495 064	(S)	39 819	94 552	231 517	309 520	441 793	561 051	450 957	1 349 380	(NA)
Value added††	1 515 343	(S)	21 976	45 922	105 500	130 785	188 588	239 379	194 482	1579 517	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	1	7	9	8	7	7	5	3	(W)	(W)	(W)
Net construction receipts†	1	7	8	7	5	5	5	4	(W)	(W)	(W)
Capital expenditures, other than land	3	44	30	26	14	15	15	7	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

*Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[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	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair	A	B	C
	A	B	C	A	B	C
1982						
Total construction receipts†	4 374 981	3 724 745	850 236	1	1	2
Building construction	2 901 036	2 505 070	395 966	1	1	2
Single-family houses	582 290	467 191	115 098	3	4	5
Single-family houses, detached	516 157	408 865	107 292	3	4	4
Single-family houses, attached	66 133	58 326	7 806	8	9	11
Apartment buildings with two or more apartments	202 409	185 225	17 183	3	3	8
Other residential buildings	71 633	59 491	12 142	4	3	18
Office and bank buildings	295 787	250 597	45 189	2	2	10
Office buildings	249 310	212 663	36 646	3	2	12
Bank buildings and other financial institutions	46 476	37 933	8 542	2	3	6
Industrial buildings and warehouses	882 220	774 598	107 622	1	1	4
Industrial buildings	804 789	709 514	95 274	1	1	5
Warehouses	77 431	65 083	12 347	4	4	21
Stores, restaurants, public garages, and automobile service stations	291 607	242 667	48 939	2	3	6
Religious buildings	32 161	27 670	4 491	6	6	16
Educational buildings	162 861	147 767	15 093	4	5	9
Hospitals and institutional buildings	288 645	271 053	17 591	1	1	8
Amusement, social, and recreational buildings	18 282	16 427	1 855	9	11	13
Other nonresidential buildings	73 136	62 378	10 757	3	2	17
Nonbuilding construction	1 161 386	962 182	199 204	1	1	1
Highways, streets, and related facilities	275 939	187 287	88 652	3	4	3
Outdoor swimming pools	2 070	1 338	732	22	24	39
Bridges, tunnels, and elevated highways	82 665	78 956	3 709	7	7	2
Marine construction	88 503	86 666	1 837	1	1	14
Power and communication transmission lines, towers, and related facilities	34 293	25 409	8 883	5	6	4
Sewers, water mains, and related facilities	120 391	108 457	11 933	6	6	7
Sewers, sewer lines, and related facilities	74 795	67 559	7 236	7	8	8
Water mains and related facilities	45 595	40 897	4 697	10	8	16
Pipeline, other than sewer or water lines	50 408	44 921	5 487	(W)	(W)	(W)
Sewage treatment and water treatment plants	186 505	182 274	4 231	1	1	1
Sewage treatment plants	163 801	162 977	823	1	1	4
Water treatment plants	22 704	19 297	3 407	(W)	(W)	(W)
Blast furnaces, petroleum refineries, and chemical complexes	128 674	104 379	24 295	1	(W)	2
Power plants	82 726	71 704	11 022	(W)	(W)	1
Other nonbuilding construction	109 182	70 764	38 415	9	10	21
Construction work, n.s.k.	312 578	257 512	55 066	3	3	4
1977						
Total construction receipts†	3 495 064	3 011 831	483 233	1	1	2
Building construction	2 383 187	2 025 978	357 211	1	1	2
Single-family houses	797 113	685 294	111 819	3	4	6
Apartment buildings with two or more apartments	92 447	79 043	13 404	3	3	6
Other residential buildings	51 236	45 275	5 961	1	1	3
Office and bank buildings	178 466	147 173	31 293	2	1	7
Industrial buildings and warehouses	604 528	487 503	117 025	1	1	2
Stores, restaurants, public garages, and automobile service stations	207 860	182 885	24 975	2	2	5
Religious buildings	52 158	45 728	6 430	2	2	4
Educational buildings	165 356	154 021	11 335	3	3	4
Hospitals and institutional buildings	168 085	145 507	22 578	1	1	4
Amusement, social, and recreational buildings	34 528	30 781	3 747	7	5	26
Other nonresidential buildings	31 411	22 768	8 643	6	7	8
Nonbuilding construction	889 042	789 433	99 609	1	1	3
Highways, streets, and related facilities	297 694	250 397	47 297	2	2	2
Bridges, tunnels, and elevated highways	42 076	39 259	2 817	2	1	17
Power and communication transmission lines, towers, and related facilities	25 377	17 846	7 531	9	2	30
Sewers, water mains, and related facilities	115 105	109 619	5 486	5	5	18
Pipeline, other than sewer or water lines	48 321	41 193	7 128	1	1	1
Sewage treatment and water treatment plants	73 804	70 496	3 308	2	2	2
Blast furnaces, petroleum refineries, and chemical complexes	45 164	38 284	6 880	1	2	(W)
Power plants	83 828	81 461	2 367	1	1	1
Power plants, nuclear	31 799	31 799	-	(W)	(W)	-
Power plants, except nuclear	52 029	49 662	2 367	1	1	1
Other nonbuilding construction	157 673	140 878	16 795	2	2	7
Construction work, n.s.k.	222 864	196 415	26 449	4	4	4

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

[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 worker hours (thousands)	January to March		April to June	
					Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)
					A	B	C	D
	Construction Industries and subdividers and developers -----	5 782	54 729	92 712	52 158	21 736	54 897	23 790
15,16, 17	Construction Industries:							
15	General building contractors and operative builders:							
152	General contractors, residential buildings:							
1521	Single-family houses -----	841	3 808	5 763	3 511	1 345	3 691	1 382
1522	Other residential buildings -----	115	1 057	1 772	1 086	429	1 078	455
1531	Operative builders -----	237	827	1 425	733	325	816	364
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses -----	108	7 303	15 417	7 524	4 009	8 247	4 320
1542	Nonresidential buildings, n.e.c. -----	294	6 580	11 333	6 420	2 618	6 582	2 885
16	Heavy construction general contractors:							
1611	Highway and street construction -----	138	2 482	4 345	2 076	805	2 470	1 114
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction -----	23	1 347	2 025	1 265	443	1 312	494
1623	Water, sewer, and utility lines -----	125	2 780	4 883	2 638	1 132	2 827	1 255
1629	Heavy construction, n.e.c. -----	144	4 551	8 167	4 037	1 810	4 112	1 940
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning -----	819	4 762	7 984	4 538	1 921	4 638	2 007
1721	Painting, paper hanging, and decorating ----	265	1 500	2 287	1 330	484	1 553	649
1731	Electrical work -----	450	3 613	6 321	3 379	1 443	3 484	1 532
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework -----	220	1 393	1 559	1 242	346	1 316	380
1742	Plastering, drywall, and insulation work ---	209	1 886	2 820	2 054	713	1 843	727
1743	Terrazzo, tile, marble, and mosaic work ---	50	210	320	189	75	225	83
175	Carpentering and flooring:							
1751	Carpentering -----	326	1 007	1 379	941	339	919	322
1752	Floor laying and other floorwork -----	84	279	437	269	105	257	106
1761	Roofing and sheet metal work -----	319	2 659	3 994	2 521	906	2 679	1 022
1771	Concrete work -----	162	1 348	1 737	1 153	348	1 290	422
1781	Water well drilling -----	42	1 450	278	(D)	72	(D)	71
179	Miscellaneous special trade contractors:							
1791	Structural steel erection -----	74	1 132	2 059	1 152	505	1 108	504
1793	Glass and glazing work -----	66	267	244	231	51	262	61
1794	Excavating and foundation work -----	210	1 633	2 715	1 369	577	1 638	691
1795	Wrecking and demolition work -----	13	50	78	60	22	51	20
1796	Installing building equipment, n.e.c. -----	65	896	1 439	1 163	473	991	401
1799	Special trade contractors, n.e.c. -----	308	1 067	1 670	971	364	1 207	496
6552	Subdividers and developers, n.e.c. -----	66	(S)	(S)	(S)	(S)	(S)	(S)

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column--										SIC code
Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)	B	C	D	E	F	G	H	I	J	K	
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
56 804	24 518	53 026	22 668	1	1	1	1	1	1	1	1	1	1	15,18,17
														15
3 734 1 084	1 449 456	4 073 961	1 585 431	7 8	6 8	7 7	7 7	8 7	7 7	7 12	7 12	10 10	11 9	152 1521 1522
849	386	865	349	11	12	12	15	12	14	13	15	12	13	1531
7 331 6 988	3 911 3 094	8 041 6 239	3 178 2 734	1 2	1 1	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	154 1541 1542
														18
2 692	1 250	2 651	1 174	4	3	4	4	4	4	4	4	5	4	1611
														162
1 423 2 864 5 133	552 1 318 2 136	1 376 2 742 4 869	535 1 177 2 280	4 4 2	4 4 2	4 4 2	4 4 2	4 5 2	5 5 2	5 4 2	5 4 2	5 4 2	3 4 2	1622 1623 1629
														17
4 762	2 009	4 810	2 045	4	4	4	4	4	4	4	5	5	5	1711
1 540	589	1 500	563	7	7	9	9	7	8	8	9	8	8	1721
3 733	1 709	3 642	1 636	5	5	6	7	5	8	8	8	8	5	1731
														174
1 686 1 753 220	483 723 83	1 303 1 770 196	349 656 77	10 8 22	6 5 25	10 17 22	12 7 31	11 7 22	10 8 28	12 8 23	13 6 29	11 12 22	10 8 30	1741 1742 1743
994 278	365 114	1 028 276	351 110	12 15	13 16	12 15	18 21	13 15	18 20	15 15	17 20	15 16	17 21	175 1751 1752
2 772	1 085	2 562	980	8	8	7	7	8	7	6	7	6	7	1761
1 568	539	1 331	426	12	7	12	11	11	8	11	7	14	8	1771
(D)	70	(D)	64	24	24	-	29	-	29	-	30	-	30	1781
1 240 275 1 747 45 726 1 065	567 64 739 17 290 445	1 021 279 1 655 42 685 571	481 87 707 17 273 363	7 20 8 8 4 13	8 18 8 9 3 11	7 21 6 7 3 13	7 27 7 18 4 14	9 19 7 8 3 11	8 24 8 17 4 14	7 21 6 9 8 11	7 25 7 20 6 13	6 19 8 10 8 10	7 23 8 20 5 13	179 1791 1793 1794 1795 1796 1799
(S)	(S)	(S)	(S)	-	-	-	-	-	-	-	-	-	-	8552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

[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)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	Construction Industries and subdividers and developers -----	11.7	15.3	1.7	78.1	.235	.322	.304	.016	.011
15,16,17	Construction Industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses -----	6.1	9.9	1.5	79.1	.167	.363	.319	.016	.007
1522	Other residential buildings -----	11.0	13.9	1.7	130.8	.127	.259	.450	.007	.004
1531	Operative builders -----	6.1	12.7	1.7	152.9	.145	.353	.418	.013	.004
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses -----	78.0	20.8	2.1	86.2	.279	(D)	(D)	.004	.005
1542	Nonresidential buildings, n.e.c. -----	27.9	15.6	1.7	141.3	.137	.249	.571	.006	.005
16	Heavy construction general contractors:									
1611	Highway and street construction -----	21.1	14.0	1.8	91.5	.179	.384	.197	.043	.019
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction -----	66.0	14.6	1.5	75.7	.217	.389	.237	.031	.017
1623	Water, sewer, and utility lines -----	25.2	13.9	1.8	52.4	.300	.357	.144	.041	.038
1629	Heavy construction, n.e.c. -----	40.4	24.7	1.8	109.7	.288	.290	.317	.013	.010
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning -----	7.4	14.7	1.7	68.5	.272	.453	.098	.015	.009
1721	Painting, paper hanging, and decorating -----	6.5	12.4	1.5	34.4	.412	.264	.059	.030	.020
1731	Electrical work -----	10.0	14.3	1.7	56.6	.314	.485	.019	.011	.008
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework -----	6.7	8.5	1.1	19.9	.451	.356	.055	.012	.022
1742	Plastering, drywall, and insulation work -----	10.5	13.4	1.5	48.6	.320	.516	.053	.017	.007
1743	Terrazzo, tile, marble, and mosaic work -----	4.8	12.1	1.5	48.6	.287	(D)	*.026	.011	*.001
175	Carpentering and flooring:									
1751	Carpentering -----	3.2	7.7	1.4	30.3	.268	.366	.123	.028	.005
1752	Floor laying and other floorwork -----	4.3	12.0	1.6	66.7	.232	(D)	(D)	*.034	.007
1761	Roofing and sheet metal work -----	10.3	11.1	1.5	44.2	.310	.422	.046	.014	.007
1771	Concrete work -----	9.4	12.0	1.3	46.1	.293	.381	.073	.034	.018
1781	Water well drilling -----	4.4	12.4	.2	8.8	.180	(D)	.041	.067	.028
179	Miscellaneous special trade contractors:									
1791	Structural steel erection -----	17.5	13.9	1.8	45.6	.348	.248	.128	.060	.024
1793	Glass and glazing work -----	6.5	16.7	.9	97.8	.274	(D)	.013	.012	.010
1794	Excavating and foundation work -----	11.7	12.6	1.7	70.4	.269	.328	.106	.056	.063
1795	Wrecking and demolition work -----	4.7	11.6	1.6	36.6	.385	.169	.026	.063	.071
1796	Installing building equipment, n.e.c. -----	17.2	23.6	1.6	70.7	.418	.239	.067	.008	.011
1799	Special trade contractors, n.e.c. -----	(D)	(D)	1.6	(D)	.267	.423	.056	.028	.017
6552	Subdividers and developers, n.e.c. -----	(D)	(D)	(S)	(D)	(S)	(S)	(S)	(S)	(S)

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

[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. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added‡	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted 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
	BIRMINGHAM SMSA											
	Construction Industries and subdividers and developers..	1 309	23 812	404 454	1 712 465	1 221 503	689 304	575 345	490 962	24 663	1	1
15,16,17	Construction Industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	147	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1522	Other residential buildings	30	422	6 486	43 584	19 941	10 281	9 741	23 644	(D)	15	10
1531	Operative builders	75	537	6 257	36 221	24 231	11 438	13 217	11 990	563	17	13
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1542	Nonresidential buildings, n.e.c.	72	3 751	59 374	439 401	209 424	96 126	(D)	229 977	2 197	1	1
16	Heavy construction general contractors:											
1611	Highway and street construction	21	447	7 433	37 295	31 258	16 972	(D)	6 037	*443	6	6
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	4	(S)	(S)	(S)	(D)	(S)	(S)	(D)	(S)	-	-
1623	Water, sewer, and utility lines	44	1 410	15 804	55 695	50 610	31 298	20 137	5 085	2 211	7	11
1629	Heavy construction, n.e.c.	21	2 389	68 808	216 813	185 442	119 611	(D)	31 371	2 374	1	(W)
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	236	2 091	35 515	128 083	113 567	60 065	55 793	14 516	1 641	7	5
1721	Painting, paper hanging, and decorating	57	495	6 972	17 013	16 376	12 569	(D)	637	(D)	11	9
1731	Electrical work	124	975	14 851	60 055	59 318	27 987	34 168	738	659	10	8
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	43	560	5 796	13 747	(D)	8 301	5 070	(D)	75	8	-
1742	Plastering, drywall, and insulation work	43	852	14 505	49 523	46 596	22 680	28 392	2 928	783	6	4
1743	Terrazzo, tile, marble, and mosaic work	*6	31	440	991	991	606	(D)	-	-	29	25
175	Carpentering and flooring:											
1751	Carpentering	65	233	1 829	5 856	5 508	3 181	2 337	348	*427	30	26
1752	Floor laying and other floorwork	18	144	1 898	7 439	(D)	4 016	3 093	(D)	83	22	-
1761	Roofing and sheet metal work	55	882	9 352	31 042	29 992	18 668	11 367	1 050	221	20	7
1771	Concrete work	34	230	2 541	9 829	9 511	5 102	4 420	*318	*562	24	26
1781	Water well drilling	*8	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	26	493	9 539	28 481	23 779	18 678	(D)	4 702	(D)	11	4
1793	Glass and glazing work	*19	90	*1 296	*5 033	*4 953	*2 261	(D)	80	(S)	35	45
1794	Excavating and foundation work	49	1 369	17 419	53 599	49 086	30 847	18 679	4 513	2 938	2	4
1795	Wrecking and demolition work	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1796	Installing building equipment, n.e.c.	23	724	18 202	41 345	(D)	32 095	(D)	(D)	(D)	305	3
1799	Special trade contractors, n.e.c.	55	430	4 507	14 636	13 703	9 474	5 524	933	263	22	21
6552	Subdividers and developers, n.e.c.	22	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-

Kentucky

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SUMMARY OF FINDINGS

During 1982, 24,539 establishments in Kentucky operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$3.3 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 18,572 establishments in this State with no payroll, accounted for about 15 percent of all business receipts for all construction establishments in Kentucky. On the other hand, 5,967 establishments classified as "employers" accounted for 85 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$2.8 billion, of which \$2.7 billion were receipts for construction work. These establishments paid \$548 million for construction work subcontracted to others, leaving net construction receipts of about \$2.2 billion. Value added for these establishments amounted to \$1.3 billion. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Kentucky paid \$876 million for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$73.5 million were also made for selected power, fuels, and

lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Kentucky was 45 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 13.0 million hours, while hours worked during the third quarter were 16.3 million hours.

Total payroll for 1982 was \$702 million. Payments of \$125 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Kentucky are based on a sample of about 2,365 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[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**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K		
1982														
	Construction industries and subdividers and developers.....	24 539	20 796	45 497	3 342 249	18 572	18 537	510 584	5 967	2 259	45 497	2 831 665	1	1
15,16,17	Construction industries ¹	24 109	20 454	45 311	3 302 809	18 212	18 210	482 157	5 897	2 244	45 311	2 820 652	1	1
15	General building contractors and operative builders	4 327	3 151	10 511	1 048 136	2 753	2 665	152 781	1 574	486	10 511	895 355	1	3
16	Heavy construction, general contractors ..	1 294	947	8 903	702 065	857	863	40 037	437	84	8 903	662 028	3	2
17	Special trade contractors	18 488	16 356	25 897	1 552 608	14 602	14 682	289 339	3 886	1 674	25 897	1 263 269	1	2
1711	Plumbing, heating, and air conditioning....	2 232	1 613	6 748	452 186	1 337	1 337	48 555	895	276	6 748	403 631	2	2
1731	Electrical work	1 589	1 246	3 789	220 204	1 100	1 106	33 409	489	140	3 789	186 795	4	4
6552	Subdividers and developers, n.e.c. ²	424	340	178	39 437	360	327	28 427	64	13	178	11 010	19	15
1977														
	Construction industries and subdividers and developers.....	23 518	21 384	55 757	2 806 924	16 078	16 395	313 520	7 440	4 989	55 757	2 493 404	1	1
15,16,17	Construction industries ¹	23 152	20 980	55 699	2 765 332	15 767	15 995	289 539	7 377	4 985	55 757	2 475 793	1	1
15	General building contractors and operative builders	5 352	4 617	16 695	1 119 614	2 823	2 791	130 889	2 529	1 826	16 695	988 725	3	3
16	Heavy construction, general contractors ..	1 207	937	10 977	597 632	716	741	13 030	491	196	10 977	584 602	1	1
17	Special trade contractors	16 593	15 426	28 027	1 048 086	12 228	12 463	145 620	4 357	2 963	27 902	902 466	2	2
1711	Plumbing, heating, and air conditioning....	1 950	1 630	6 653	304 216	1 081	1 106	25 221	869	524	6 653	278 995	4	3
1731	Electrical work	1 486	1 255	3 869	166 254	949	974	16 718	537	281	3 869	149 536	5	5
6552	Subdividers and developers, n.e.c. ²	374	404	183	41 596	311	400	23 981	63	4	183	17 615	27	21

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977

[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]

Receipts size	All establishments				Establishments without payroll ¹			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts	J	K
	A	B	C	D	E	F	G	H	I	J	K	J	K
1982													
The State -----	24 539	20 796	45 497	3 342 249	18 572	18 537	510 584	5 967	2 259	45 497	2 831 665	1	1
\$10,000,000 or more -----	35	2	4 954	(D)	2	-	(D)	33	2	4 954	(D)	(W)	-
\$5,000,000 to \$9,999,999 -----	56	4	3 517	(D)	2	2	(D)	54	2	3 517	(D)	(W)	-
\$2,500,000 to \$4,999,999 -----	118	5	5 279	1 389 948	3	2	54 002	115	3	5 279	1 335 946	(W)	(W)
\$1,000,000 to \$2,499,999 -----	354	32	8 007	566 124	7	5	11 197	347	27	8 007	554 927	2	4
\$500,000 to \$999,999 -----	513	109	5 771	355 274	47	35	30 823	466	74	5 771	324 451	5	5
\$250,000 to \$499,999 -----	894	277	5 884	319 845	159	135	53 595	735	142	5 884	266 250	5	5
\$100,000 to \$249,999 -----	2 116	1 225	6 694	331 364	675	654	99 868	1 441	571	6 694	231 496	5	4
\$50,000 to \$99,999 -----	2 430	1 899	2 960	170 021	1 255	1 280	86 479	1 175	619	2 960	83 542	7	5
\$25,000 to \$49,999 -----	2 757	2 502	1 335	97 353	2 088	2 107	72 458	669	395	1 335	24 895	7	7
Less than \$25,000 -----	15 264	14 738	1 094	112 318	14 334	14 317	102 162	930	421	1 094	10 156	6	7
\$10,000 to \$24,999 -----	(NA)	(NA)	(NA)	(NA)	4 039	4 076	62 495	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	3 826	3 808	25 822	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,000 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	3 954	3 930	11 330	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,000 -----	(NA)	(NA)	(NA)	(NA)	2 515	2 503	2 515	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977													
The State -----	23 518	21 384	55 757	2 806 924	16 078	16 395	313 520	7 440	4 989	55 757	2 493 404	1	1
\$10,000,000 or more -----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 ² -----	60	7	7 517	585 916	-	-	60	60	7	7 517	585 916	(W)	(W)
\$2,500,000 to \$4,999,999 -----	96	8	5 696	(D)	1	1	(D)	95	7	5 696	321 447	1	1
\$1,000,000 to \$2,499,999 -----	352	49	9 343	857 264	7	9	12 113	345	40	9 343	523 704	1	3
\$500,000 to \$999,999 -----	571	173	7 821	393 697	50	53	33 999	521	120	7 821	359 698	3	5
\$250,000 to \$499,999 -----	824	463	6 644	291 190	95	76	32 694	729	387	6 644	258 496	5	6
\$100,000 to \$249,999 -----	2 155	1 613	9 084	333 244	361	366	53 874	1 794	1 247	9 084	279 370	5	5
\$50,000 to \$99,999 -----	2 074	1 925	4 719	144 328	627	693	42 138	1 447	1 232	4 719	102 190	8	7
\$25,000 to \$49,999 -----	2 597	2 418	2 949	93 140	1 404	1 514	48 468	1 193	904	2 949	44 672	9	8
Less than \$25,000 -----	14 790	14 730	(S)	108 146	13 533	13 683	90 234	(S)	(S)	(S)	(S)	-	-
\$10,000 to \$24,999 -----	4 381	4 298	1 562	68 227	3 432	3 500	51 685	949	798	1 562	16 542	13	11
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	3 731	3 774	24 948	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	4 041	4 076	11 783	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 -----	(NA)	(NA)	(NA)	(NA)	2 329	2 333	1 818	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[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	1982							
		Number of establishments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction Industries and subdividers and developers	5 967	45 497	37 816	701 897	542 534	59 882	2 744 178	2 196 161
15,16,17	Construction Industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses.....	908	3 502	2 961	32 964	25 923	4 475	157 383	119 830
1522	Other residential buildings.....	98	687	570	10 060	7 259	817	58 877	30 777
1531	Operative builders.....	155	776	412	10 384	4 719	569	100 006	55 944
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses.....	113	1 890	1 516	35 702	27 761	2 620	189 297	112 270
1542	Nonresidential buildings, n.e.c.....	300	3 656	2 967	60 992	43 371	4 642	367 549	187 525
16	Heavy construction general contractors:								
1611	Highway and street construction.....	175	4 266	3 735	72 175	56 679	6 353	325 360	284 434
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction.....	25	973	856	19 462	16 003	1 515	93 995	77 955
1623	Water, sewer, and utility lines.....	136	2 018	1 735	31 695	26 003	3 152	105 158	94 566
1629	Heavy construction, n.e.c.....	101	1 646	1 363	35 970	29 370	2 207	110 847	97 824
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning.....	895	6 748	5 308	115 137	87 647	9 391	399 518	353 508
1721	Painting, paper hanging, and decorating.....	291	1 757	1 545	22 170	18 406	2 242	51 200	47 261
1731	Electrical work.....	489	3 789	2 996	65 374	50 340	4 918	179 450	55 944
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework.....	345	1 736	1 603	15 938	13 896	1 894	43 132	41 430
1742	Plastering, drywall, and insulation work.....	183	1 826	1 563	30 489	24 033	2 267	80 274	76 683
1743	Terrazzo, tile, marble, and mosaic work.....	40	211	191	2 810	2 358	236	8 964	8 915
175	Carpentering and flooring:								
1751	Carpentering.....	333	1 448	1 326	14 265	12 706	1 935	50 320	44 976
1752	Floor laying and other floorwork.....	69	278	237	2 953	2 359	392	10 464	10 344
1761	Roofing and sheet metal work.....	267	1 841	1 470	28 555	20 366	2 071	84 111	80 451
1771	Concrete work.....	278	1 869	1 684	23 960	18 294	2 290	92 658	87 236
1781	Water well drilling.....	26	(S)	(S)	(S)	(S)	(S)	(S)	(S)
179	Miscellaneous special trade contractors:								
1791	Structural steel erection.....	39	592	483	11 653	9 692	839	30 876	29 275
1793	Glass and glazing work.....	34	317	209	5 775	3 569	350	14 880	14 730
1794	Excavating and foundation work.....	299	1 341	1 178	19 067	15 109	1 753	79 733	63 260
1795	Wrecking and demolition work.....	9	(D)	13	(D)	131	17	504	478
1796	Installing building equipment, n.e.c.....	48	784	655	17 795	14 485	1 129	51 777	48 946
1799	Special trade contractors, n.e.c.....	241	1 215	1 002	12 859	9 607	1 393	42 644	40 594
6552	Subdividers and developers, n.e.c.	64	178	125	1 887	1 171	209	17 013	5 502

†Land receipts for SIC 1531 were \$13,796; for SIC 6552 were \$3,657.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††	B	H	M	
I	J	K	L	M	N	O	P	Q				
1 318 744	949 450	548 017	43 340	55 078	675 265	55 757	2 404 759	1 100 065	1	1	3	15,16,17
61 190	60 142	37 552	1 178	3 190	28 359	7 792	292 669	99 308	7	6	8	152
16 707	14 487	28 100	432	1 389	6 946	446	24 836	3 924	9	10	10	1521
36 977	23 219	44 062	260	525	20 444	1 826	164 477	43 876	11	9	10	1531
72 655	40 019	77 027	1 683	1 143	15 920	2 121	116 717	41 882	7	5	10	154
108 510	80 884	180 024	2 601	3 133	36 732	4 510	345 886	87 995	4	4	7	1541
												16
152 935	150 061	40 925	13 838	12 657	183 185	4 873	283 936	141 814	2	1	1	1611
37 069	42 907	16 040	1 407	1 575	27 263	1 006	53 772	25 628	(W)	(W)	(W)	162
63 586	32 577	10 592	2 493	4 347	53 483	2 365	103 872	52 258	4	4	5	1622
63 163	39 147	13 022	3 358	2 958	35 797	2 733	127 085	76 199	4	4	3	1623
												1629
												17
199 829	157 791	46 009	4 237	6 786	66 230	6 653	274 890	137 626	3	2	5	1711
36 577	11 499	3 939	649	1 060	8 471	1 709	35 393	27 596	9	7	9	1721
106 162	74 541	6 091	1 149	2 940	31 099	3 869	145 002	81 545	4	4	10	1731
26 270	15 646	1 701	767	2 166	12 867	2 679	50 807	34 723	9	10	25	174
49 576	30 123	3 591	973	1 234	8 369	2 259	64 826	38 670	6	5	7	1741
5 514	3 529	49	58	302	1 024	221	6 404	3 454	15	13	21	1742
												1743
30 511	14 868	5 344	355	489	5 144	1 629	31 117	20 889	9	8	10	175
6 038	4 305	120	37	*234	906	267	8 547	4 568	28	24	41	1751
												1752
50 420	31 691	3 660	1 031	1 853	16 639	1 904	54 605	31 332	7	6	7	1761
48 137	44 485	5 422	2 035	1 418	23 239	1 281	35 852	19 326	8	7	14	1771
(S)	(S)	(S)	(S)	(S)	(S)	159	5 349	3 270	-	-	-	1781
21 306	8 945	1 601	556	572	7 605	641	19 485	12 348	12	12	4	179
8 777	9 488	150	117	228	1 538	287	12 970	5 571	11	11	15	1791
47 753	18 290	16 473	2 812	2 783	58 249	2 149	70 912	56 839	8	7	12	1793
437	58	26	21	7	169	92	2 489	1 952	-	(W)	(W)	1794
32 676	(D)	2 831	676	843	7 876	811	30 513	22 882	5	3	5	1795
25 391	17 719	2 049	436	809	7 396	1 417	34 609	21 477	14	11	12	1796
												1799
4 280	1 561	1 511	131	223	4 289	183	11 268	5 954	19	15	22	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 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	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year	5 967	7 440	6 317	5 166	2	3	3	4
Number of establishments in business at end of year	5 761	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Proprietors and working partners	2 259	4 989	4 469	4 285	4	5	5	5
All employees**	45 497	55 757	51 012	42 562	1	1	2	2
Construction workers:								
March	33 703	39 718	37 931	31 364	2	2	2	2
May	38 693	50 168	44 340	37 999	2	2	2	2
August	39 563	53 071	49 378	42 396	2	2	2	2
November	36 863	49 509	42 637	37 872	1	2	2	2
Average	37 816	48 150	44 238	37 898	1	2	2	2
Other employees:								
March	7 596	7 005	6 562	4 402	2	2	3	4
Construction worker hours (thousands):								
January to March	12 996	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
April to June	15 720	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
July to September	16 297	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
October to December	14 868	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Total hours worked	59 882	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Payroll, all employees	701 897	600 076	426 839	252 527	1	1	2	1
Payroll, construction workers	542 534	489 408	355 980	212 615	1	1	2	1
Payroll, other employees	159 362	110 669	70 859	39 810	1	1	2	2
First quarter payroll, all employees	155 112	110 452	(NA)	(NA)	1	1	(NA)	(NA)
Employer costs for fringe benefits	124 998	100 888	(NA)	(NA)	1	1	(NA)	(NA)
Legally required expenditures	97 502	68 087	(NA)	(NA)	1	1	(NA)	(NA)
Voluntary expenditures	27 495	32 801	(NA)	(NA)	2	1	(NA)	(NA)
All business receipts	2 831 665	2 493 404	1 630 889	1 035 330	1	1	2	2
Total construction receipts	2 744 178	2 404 759	1 573 249	1 008 456	1	1	2	2
Receipts for work subcontracted in from others	655 468	513 307	295 473	185 192	2	2	4	2
Land receipts ¹	17 453	(NA)	(NA)	(NA)	8	(NA)	(NA)	(NA)
Other business receipts	70 034	88 645	57 640	26 922	3	5	3	6
Net construction receipts†	2 196 161	1 944 503	1 253 532	787 794	1	1	2	2
Value added††	1 316 744	1 100 065	767 355	464 017	1	1	2	2
Selected payments	1 497 467	1 363 955	853 642	564 348	1	2	2	3
Materials, components, and supplies ²	875 984	854 928	533 925	342 697	1	2	2	2
Construction work subcontracted to others	548 017	460 256	319 717	220 711	2	2	3	4
Selected power, fuels, and lubricants	73 466	48 771	(NA)	(NA)	2	2	(NA)	(NA)
Electricity	8 392	4 978	(NA)	(NA)	3	3	(NA)	(NA)
Natural gas	4 094	1 915	(NA)	(NA)	2	6	(NA)	(NA)
Gasoline and diesel fuel (including gasohol)	56 724	35 991	(NA)	(NA)	2	2	(NA)	(NA)
Other, including lubricating oils and greases	4 255	5 887	(NA)	(NA)	4	4	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³	2 075	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures	43 340	32 811	(NA)	(NA)	2	1	(NA)	(NA)
For machinery and equipment	35 235	28 282	36 760	17 952	2	1	2	3
For structures	8 104	4 529	(NA)	(NA)	4	4	(NA)	(NA)
Selected purchased services	59 702	50 379	(NA)	(NA)	2	2	(NA)	(NA)
Communication services	12 690	9 925	(NA)	(NA)	2	2	(NA)	(NA)
Repairs to structures and related facilities	2 633	2 261	(NA)	(NA)	5	8	(NA)	(NA)
Repairs to machinery and equipment	44 379	38 194	(NA)	(NA)	2	2	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts	2 744 178	2 404 759	1 573 249	1 008 456	1	1	2	2
Government owned	763 478	637 474	586 854	421 313	3	1	2	3
Privately owned	1 980 700	1 767 285	986 395	587 143	2	2	2	3

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 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	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets	646 587	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land	55 078	97 257	53 541	35 918	3	3	4	3
New	38 998	76 302	38 677	30 264	3	3	4	4
Used	16 079	20 955	14 864	5 654	5	5	10	5
Retirements and disposition of depreciable assets	26 399	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	675 265	521 426	317 859	(NA)	2	2	3	(NA)
Depreciation charges during year	84 317	56 156	46 142	(NA)	2	2	16	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets	102 524	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Capital expenditures, other than land	6 438	12 127	7 715	9 421	5	18	10	11
New structures and related facilities	5 170	9 836	4 067	8 063	5	18	8	8
Used structures and related facilities	1 267	2 291	3 648	1 353	19	19	12	14
Retirements and disposition of depreciable assets	3 422	(NA)	(NA)	(NA)	9	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	105 540	111 109	51 281	(NA)	3	4	7	(NA)
Depreciation charges during year	9 488	6 055	3 933	(NA)	3	5	35	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets	544 082	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land	48 639	85 130	45 826	26 497	3	4	8	4
New machinery and equipment, including automobiles and trucks	33 828	66 466	34 610	22 196	3	3	4	4
New automobiles and trucks, intended primarily for highway use	11 441	21 566	(NA)	(NA)	5	3	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks	14 811	18 664	11 216	4 301	5	5	12	4
Retirements and disposition of depreciable assets	22 977	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	569 745	410 317	266 578	(NA)	2	1	3	(NA)
Depreciation charges during year	74 829	50 101	42 209	(NA)	2	2	17	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

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

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	5 967	2
Total construction receipts	2 744 178	1
Establishments with inventories:		
Number	1 752	8
Total construction receipts	1 296 024	2
Inventories¹:		
End of 1982, total	52 266	4
Value for establishments with LIFO reserve	2 003	5
Amount of LIFO reserve	524	18
Value for establishments with no LIFO reserve	50 263	4
End of 1981, total	48 975	5
Value for establishments with LIFO reserve	2 592	5
Amount of LIFO reserve	711	20
Value for establishments with no LIFO reserve	46 383	6
Establishments with no inventories:		
Number	4 215	2
Total construction receipts	1 448 154	2

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

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

[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
1982										
Number of establishments	5 967	3 605	1 259	649	338	81	30	7	-	-
All employees**	45 497	7 012	8 151	8 535	10 234	5 360	3 857	2 348	-	-
Payroll, all employees	701 897	60 869	95 124	129 665	180 614	110 969	77 580	47 076	-	-
Construction worker hours (thousands)	59 882	8 249	9 347	11 145	13 791	8 028	5 853	3 464	-	-
All business receipts	2 831 665	310 419	383 003	496 987	1 182 082	(D)	459 173	(D)	-	-
Total construction receipts	2 744 178	301 039	372 724	485 696	708 589	435 105	283 769	157 256	-	-
Net construction receipts†	2 196 161	254 528	311 927	391 968	547 538	326 967	224 228	139 004	-	-
Value added††	1 316 744	149 197	183 792	225 358	333 790	205 574	131 167	87 866	-	-
Payments for materials, components, supplies, and fuels	949 450	110 847	134 625	174 791	233 758	133 080	162 347	(D)	-	-
Payments for construction work subcontracted to others	548 017	46 511	60 798	93 727	161 051	108 138	59 541	18 252	-	-
Rental payments for machinery, equipment, and structures	43 340	3 149	4 384	7 431	9 075	10 543	6 038	2 718	-	-
Capital expenditures, other than land	55 078	6 288	7 485	9 116	13 668	5 478	10 073	2 968	-	-
End-of-year gross book value of depreciable assets	675 265	74 135	85 792	118 823	145 935	87 868	112 204	50 506	-	-
1977										
All employees**	55 757	10 058	9 527	9 916	12 180	6 785	3 611	3 679	(D)	-
Total construction receipts	2 404 759	368 746	333 899	380 431	573 308	352 085	201 146	195 044	(D)	-
Value added††	1 100 085	153 405	146 060	175 610	259 988	168 097	196 905	(D)	(D)	-
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	3	5	4	3	(W)	(W)	(W)	-	-
Net construction receipts†	1	4	5	4	1	(W)	(W)	(W)	-	-
Capital expenditures, other than land	3	13	11	10	2	(W)	(W)	(W)	-	-

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

[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 all business receipts of—									
		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
1982											
Number of establishments	5 967	930	669	1 175	1 441	735	466	347	115	54	33
All employees**	45 497	1 094	1 335	2 960	6 694	5 884	5 771	8 007	5 279	3 517	4 954
Payroll, all employees	701 897	3 023	6 765	20 808	64 865	75 700	89 780	149 092	104 671	83 935	103 256
Construction worker hours (thousands)	59 882	997	1 241	3 179	7 786	7 458	7 414	11 108	7 824	5 302	7 568
All business receipts	2 831 665	10 156	24 895	83 542	231 496	266 250	324 451	554 927	1 335 946	(D)	(D)
Total construction receipts	2 744 178	9 932	24 454	82 066	227 316	258 142	314 860	539 477	400 515	355 933	531 482
Net construction receipts†	2 196 161	8 897	22 721	74 960	205 965	225 682	265 786	437 405	317 135	265 352	372 257
Value added††	1 316 744	5 663	14 666	45 900	123 038	134 305	156 482	263 429	187 057	154 521	231 681
Payments for materials, components, supplies, and fuels	949 450	3 354	8 429	29 873	85 942	97 049	115 839	187 255	139 438	121 828	160 441
Payments for construction work subcontracted to others	548 017	1 035	1 733	7 105	21 351	32 460	49 073	102 072	83 380	90 581	159 225
Rental payments for machinery, equipment, and structures	43 340	164	188	674	2 889	3 521	4 150	7 993	6 983	9 109	7 666
Capital expenditures, other than land	55 078	*76	295	1 566	4 644	6 127	7 576	9 405	6 892	8 498	9 996
End-of-year gross book value of depreciable assets	875 265	3 740	5 150	19 365	56 599	73 632	80 884	102 473	102 204	70 194	161 021
1977											
All employees**	55 757	(S)	2 949	4 719	9 084	6 644	7 821	9 343	5 696	17 517	(NA)
Total construction receipts	2 404 759	(S)	43 888	100 787	272 171	251 143	345 483	495 612	307 956	1 570 025	(NA)
Value added††	1 100 065	(S)	26 097	51 563	126 814	116 028	162 285	219 310	142 964	1 244 356	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	1	6	7	7	5	5	5	2	(W)	(W)	(W)
Net construction receipts†	1	7	8	6	5	8	5	2	(W)	(W)	(W)
Capital expenditures, other than land	3	42	24	20	12	15	12	3	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

*Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[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	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair	A	B	C
	A	B	C	A	B	C
1982						
Total construction receipts†	2 744 178	2 057 551	686 826	1	1	2
Building construction	1 689 447	1 308 765	380 682	1	2	3
Single-family houses	414 042	303 376	110 666	3	5	5
Single-family houses, detached	365 076	267 112	97 963	4	4	6
Single-family houses, attached	48 966	36 264	12 702	9	9	11
Apartment buildings with two or more apartments	125 756	105 233	20 523	5	6	5
Other residential buildings	43 415	29 607	13 807	7	7	13
Office and bank buildings	217 323	180 695	36 627	2	2	3
Office buildings	176 979	149 833	27 146	3	3	3
Bank buildings and other financial institutions	40 344	30 862	9 481	4	3	5
Industrial buildings and warehouses	418 461	301 151	117 310	2	2	7
Industrial buildings	372 446	262 333	110 112	3	2	8
Warehouses	46 015	38 818	7 197	8	6	4
Stores, restaurants, public garages, and automobile service stations	170 984	141 865	29 119	4	4	8
Religious buildings	25 626	19 470	6 156	7	7	7
Educational buildings	92 217	74 879	17 338	3	4	8
Hospitals and institutional buildings	123 026	105 509	17 516	4	4	4
Amusement, social, and recreational buildings	30 920	24 739	6 181	3	3	5
Other nonresidential buildings	27 670	22 236	5 434	16	16	10
Nonbuilding construction	809 568	550 624	258 944	1	1	2
Highways, streets, and related facilities	354 670	213 554	141 115	2	2	4
Bridges, tunnels, and elevated highways	89 170	(D)	(D)	1	-	-
Power and communication transmission lines, towers, and related facilities	43 769	40 386	3 382	5	4	9
Sewers, water mains, and related facilities	88 782	76 796	11 985	4	4	12
Sewers, sewer lines, and related facilities	54 406	49 404	5 002	4	5	6
Water mains and related facilities	34 375	27 392	6 983	9	7	14
Pipeline, other than sewer or water lines	16 170	11 148	5 021	12	13	15
Sewage treatment and water treatment plants	34 403	31 829	2 574	3	3	2
Sewage treatment plants	21 679	19 659	2 020	3	3	1
Water treatment plants	12 724	12 169	554	6	6	8
Blast furnaces, petroleum refineries, and chemical complexes	34 671	21 287	13 383	1	1	(W)
Power plants	62 337	(D)	(D)	1	-	-
Other nonbuilding construction	85 589	61 128	24 452	10	7	17
Construction work, n.s.k.	245 162	198 181	47 000	4	5	5
1977						
Total construction receipts†	2 404 759	1 977 378	427 381	1	1	2
Building construction	1 553 328	1 261 353	291 975	2	2	2
Single-family houses	614 917	497 927	116 990	4	5	5
Apartment buildings with two or more apartments	75 787	63 588	12 199	5	5	6
Other residential buildings	23 032	17 287	5 745	6	7	7
Office and bank buildings	120 488	97 286	23 202	3	3	4
Industrial buildings and warehouses	326 506	250 027	76 479	2	2	3
Stores, restaurants, public garages, and automobile service stations	117 117	99 376	17 741	4	5	8
Religious buildings	27 925	20 679	7 246	8	10	8
Educational buildings	110 532	95 725	14 807	4	4	9
Hospitals and institutional buildings	86 007	75 217	10 790	3	3	4
Amusement, social, and recreational buildings	25 674	23 155	2 519	10	11	9
Other nonresidential buildings	25 344	21 086	4 258	8	9	11
Nonbuilding construction	853 361	538 803	116 558	1	1	2
Highways, streets, and related facilities	290 534	217 579	72 955	1	1	2
Bridges, tunnels, and elevated highways	56 605	47 823	8 782	3	3	1
Dam and reservoir construction	35 847	(D)	(D)	(W)	-	-
Conservation and development construction	15 781	(D)	(D)	12	-	-
Sewers, water mains, and related facilities	82 394	73 991	8 403	4	4	8
Pipeline, other than sewer or water lines	19 464	16 986	2 478	4	1	28
Sewage treatment and water treatment plants	35 112	33 192	1 920	2	2	10
Heavy industrial facilities	32 305	27 501	4 804	1	1	5
Power plants	18 389	16 951	1 438	(W)	(W)	(W)
Other nonbuilding construction	66 930	55 692	11 238	6	6	7
Construction work, n.s.k.	198 095	179 041	19 054	3	3	5

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

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

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)
					A	B	C	D
	Construction industries and subdividers and developers	5 967	37 816	59 882	33 693	12 996	38 693	15 720
15,16,17	Construction Industries:							
15	General building contractors and operative builders:							
152	General contractors, residential buildings:							
1521	Single-family houses	908	2 961	4 475	2 632	977	3 126	1 191
1522	Other residential buildings	98	570	817	507	179	552	193
1531	Operative builders	155	412	569	433	146	446	153
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses	113	1 516	2 620	1 499	645	1 485	671
1542	Nonresidential buildings, n.e.c.	300	2 967	4 642	2 800	1 054	3 032	1 222
16	Heavy construction general contractors:							
1611	Highway and street construction	175	3 735	6 353	2 611	925	3 999	1 731
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction.....	25	856	1 515	637	260	852	422
1623	Water, sewer, and utility lines	136	1 735	3 152	1 633	666	1 718	837
1629	Heavy construction, n.e.c.	101	1 363	2 207	1 406	575	1 352	554
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning.....	895	5 308	9 391	4 961	2 220	5 252	2 329
1721	Painting, paper hanging, and decorating	291	1 545	2 242	1 242	432	1 515	572
1731	Electrical work	489	2 996	4 918	2 934	1 201	2 841	1 220
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework	345	1 603	1 894	1 458	392	1 842	570
1742	Plastering, drywall, and insulation work	183	1 563	2 267	1 475	573	1 495	590
1743	Terrazzo, tile, marble, and mosaic work	40	191	236	180	56	204	70
175	Carpentering and flooring:							
1751	Carpentering	333	1 326	1 935	1 308	470	1 370	502
1752	Floor laying and other floorwork.....	69	237	392	247	98	233	97
1761	Roofing and sheet metal work	267	1 470	2 071	1 235	437	1 519	544
1771	Concrete work	278	1 684	2 290	1 021	329	1 831	589
1781	Water well drilling	26	(S)	(S)	(S)	(S)	(S)	(S)
179	Miscellaneous special trade contractors:							
1791	Structural steel erection	39	483	839	457	208	521	233
1793	Glass and glazing work	34	209	350	225	87	214	94
1794	Excavating and foundation work	299	1 178	1 753	982	374	1 331	527
1795	Wrecking and demolition work	9	13	17	13	4	13	4
1796	Installing building equipment, n.e.c.	48	655	1 129	642	280	583	258
1799	Special trade contractors, n.e.c.	241	1 002	1 393	917	292	1 121	418
6552	Subdividers and developers, n.e.c.	64	125	209	136	57	135	65

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column--										SIC code
Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)	B	C	D	E	F	G	H	I	J	K	
H	I	J	K											
39 563	16 297	36 863	14 868	1	1	2	2	2	2	2	2	1	2	15,16,17
														15
3 082	1 230	2 651	1 076	8	9	10	12	9	11	9	11	7	9	152
589	195	623	248	9	11	9	13	9	13	13	15	9	16	1521
														1522
385	151	347	117	14	16	16	20	15	20	15	22	16	20	1531
1 505	678	1 489	624	7	7	7	8	7	8	7	8	7	8	154
3 154	1 248	2 802	1 117	4	4	4	5	5	6	5	5	4	5	1541
														1542
														16
4 255	2 018	3 999	1 677	2	2	2	3	2	2	2	2	2	2	1611
														162
1 007	444	917	388	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	1622
1 830	862	1 710	785	4	4	4	6	4	5	4	5	4	5	1623
1 346	544	1 311	532	4	3	5	5	4	4	4	4	3	4	1629
														17
5 542	2 517	5 094	2 323	3	3	3	3	3	4	3	4	3	4	1711
1 804	700	1 434	536	9	9	12	14	10	12	11	12	9	10	1721
3 054	1 271	2 917	1 225	4	4	5	5	4	5	4	5	4	5	1731
														174
1 517	466	1 478	464	10	10	12	14	12	14	10	12	10	13	1741
1 500	542	1 712	560	6	6	6	7	6	7	8	7	6	7	1742
195	55	170	54	16	17	17	23	16	21	16	24	17	24	1743
														175
1 123	436	1 376	525	9	9	9	12	9	10	11	13	12	13	1751
221	97	237	98	28	30	30	37	28	35	27	34	28	35	1752
1 589	572	1 439	518	7	8	8	10	7	9	8	9	7	9	1761
1 913	709	1 826	661	8	7	9	11	12	9	9	7	10	10	1771
(S)	(S)	(S)	(S)	-	-	-	-	-	-	-	-	-	-	1781
														179
577	217	371	180	12	14	11	14	14	17	13	15	13	15	1791
195	84	198	84	13	15	12	17	13	17	14	18	13	19	1793
1 179	462	1 059	388	9	8	8	10	9	10	10	10	10	11	1794
12	4	14	4	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	1795
704	295	673	294	5	4	3	3	3	3	4	4	11	8	1796
1 047	385	303	295	15	14	16	14	18	14	17	14	16	14	1799
118	46	103	39	19	27	19	27	19	25	27	35	35	28	6552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

[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)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	Construction Industries and subdividers and developers	7.6	15.4	1.6	72.6	.256	.346	.200	.020	.016
15,16,17	Construction Industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses	3.9	9.4	1.5	53.2	.209	.382	.239	.020	.007
1522	Other residential buildings	7.0	14.6	1.4	103.3	.171	.246	.477	.024	.007
1531	Operative builders	5.0	13.4	1.4	242.7	.104	.232	.441	.005	.003
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses	16.7	18.9	1.7	124.9	.189	.211	.407	.006	.009
1542	Nonresidential buildings, n.e.c.	12.2	16.7	1.6	123.9	.166	.220	.490	.009	.007
16	Heavy construction general contractors:									
1611	Highway and street construction	24.4	16.9	1.7	87.1	.222	.461	.126	.039	.043
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction	38.9	20.0	1.8	109.8	.207	.456	.171	.017	.015
1623	Water, sewer, and utility lines	14.8	15.7	1.8	60.6	.301	.310	.101	.041	.024
1629	Heavy construction, n.e.c.	16.3	21.9	1.6	81.3	.325	.353	.117	.027	.030
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning	7.5	17.1	1.8	75.3	.288	.395	.115	.017	.011
1721	Painting, paper hanging, and decorating	6.0	12.6	1.5	33.1	.433	.225	.077	.021	.013
1731	Electrical work	7.7	17.3	1.6	59.9	.364	.415	.034	.016	.006
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework	5.0	9.2	1.2	26.9	.370	.363	.039	.050	.018
1742	Plastering, drywall, and insulation work	10.0	16.7	1.5	51.4	.380	.375	.045	.015	.012
1743	Terrazzo, tile, marble, and mosaic work	5.3	13.3	1.2	46.9	.313	.394	.005	.034	.006
175	Carpentering and flooring:									
1751	Carpentering	4.3	9.9	1.5	37.9	.283	.295	.106	.010	.007
1752	Floor laying and other floorwork	4.0	10.6	1.7	44.2	.282	.411	.011	.022	.004
1761	Roofing and sheet metal work	6.9	15.5	1.4	57.2	.339	.377	.044	.022	.012
1771	Concrete work	6.7	12.8	1.4	55.0	.259	.480	.059	.015	.022
1781	Water well drilling	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
179	Miscellaneous special trade contractors:									
1791	Structural steel erection	15.2	19.7	1.7	63.9	.377	.290	.052	.019	.018
1793	Glass and glazing work	9.3	18.2	1.7	71.2	.388	.638	.010	.015	.008
1794	Excavating and foundation work	4.5	14.2	1.5	67.7	.239	.229	.207	.035	.035
1795	Wrecking and demolition work	(D)	(D)	1.3	(D)	(D)	.115	.052	.014	.042
1796	Installing building equipment, n.e.c.	16.3	22.7	1.7	79.0	.344	(D)	.055	.016	.013
1799	Special trade contractors, n.e.c.	5.0	10.6	1.4	42.6	.302	.416	.048	.019	.010
6552	Subdividers and developers, n.e.c.	2.8	10.6	1.7	56.1	.269	.223	.215	.032	.019

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

[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. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
	CINCINNATI-HAMILTON, OHIO-KY.-IND., SCSA											
	Construction Industries and subdivider and developers	3 026	24 414	450 828	1 695 320	1 257 522	747 572	541 710	437 797	21 350	1	1
15, 16, 17	Construction Industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	474	2 007	27 353	189 259	126 669	77 083	53 696	62 590	1 000	7	5
1522	Other residential buildings	40	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1531	Operative builders	71	621	11 837	98 317	(D)	26 083	(D)	(D)	(D)	10	6
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	52	824	18 479	107 091	(D)	30 265	21 916	(D)	(D)	5	-
1542	Nonresidential buildings, n.e.c.	121	1 625	36 421	244 050	52 964	(D)	37 753	191 086	1 878	4	6
16	Heavy construction general contractors:											
1611	Highway and street construction	62	1 134	24 432	134 018	121 927	42 161	84 689	12 091	(D)	6	2
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	3	59	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(W)	-
1623	Water, sewer, and utility lines	39	635	9 383	30 238	25 316	16 963	(D)	4 922	(D)	10	10
1629	Heavy construction, n.e.c.	16	1 200	(D)	48 807	(D)	(D)	(D)	(D)	(D)	(W)	-
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	458	4 229	79 210	235 181	212 144	128 991	85 483	23 038	2 584	3	4
1721	Painting, paper hanging, and decorating	229	1 097	13 822	29 934	28 793	22 121	6 695	1 141	470	9	9
1731	Electrical work	204	2 112	49 903	119 304	117 789	72 905	45 891	1 515	1 019	5	3
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	179	924	12 745	29 876	29 489	19 545	9 966	387	(D)	11	10
1742	Plastering, drywall, and insulation work	119	1 099	22 267	55 808	53 995	34 775	19 654	1 813	(D)	7	6
1743	Terrazzo, tile, marble, and mosaic work	25	154	2 805	6 467	6 421	3 828	2 717	46	45	21	16
175	Carpentering and flooring:											
1751	Carpentering	178	798	10 352	36 438	31 182	20 031	(D)	5 257	(D)	10	10
1752	Floor laying and other floorwork	43	239	3 693	11 421	11 093	6 221	5 706	328	149	13	13
1761	Roofing and sheet metal work	180	1 328	24 889	72 122	68 239	40 387	28 071	3 884	1 442	8	7
1771	Concrete work	152	1 317	21 938	60 266	(D)	37 178	18 818	(D)	1 030	6	-
1781	Water well drilling	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	23	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1793	Glass and glazing work	34	225	4 304	12 590	12 260	7 476	5 830	*330	*87	20	20
1794	Excavating and foundation work	142	971	18 011	68 142	63 293	42 118	22 376	4 849	1 609	9	13
1795	Wrecking and demolition work	7	88	(D)	6 861	(D)	4 296	(D)	(D)	(D)	(W)	-
1796	Installing building equipment, n.e.c.	27	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1799	Special trade contractors, n.e.c.	115	649	9 411	34 065	31 310	19 655	13 553	2 755	918	12	10
6552	Subdividers and developers, n.e.c.	31	123	2 293	7 860	6 404	6 076	874	*1 456	57	11	22
	CINCINNATI, OHIO-KY.-IND., SMSA											
	Construction Industries and subdivider and developers	2 572	20 854	381 237	1 487 565	1 081 822	634 539	471 683	405 743	19 229	2	2
15, 16, 17	Construction Industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	419	1 791	24 921	178 110	117 417	72 210	49 160	60 693	913	8	5
1522	Other residential buildings	36	140	1 823	7 839	6 001	4 521	1 746	1 838	*157	23	29
1531	Operative builders	50	565	10 651	85 658	47 633	26 594	(D)	38 025	461	11	7
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	49	774	17 414	104 747	49 305	28 410	21 302	55 442	589	6	6
1542	Nonresidential buildings, n.e.c.	108	1 542	34 834	234 002	47 577	(D)	36 468	186 425	1 849	4	6

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.

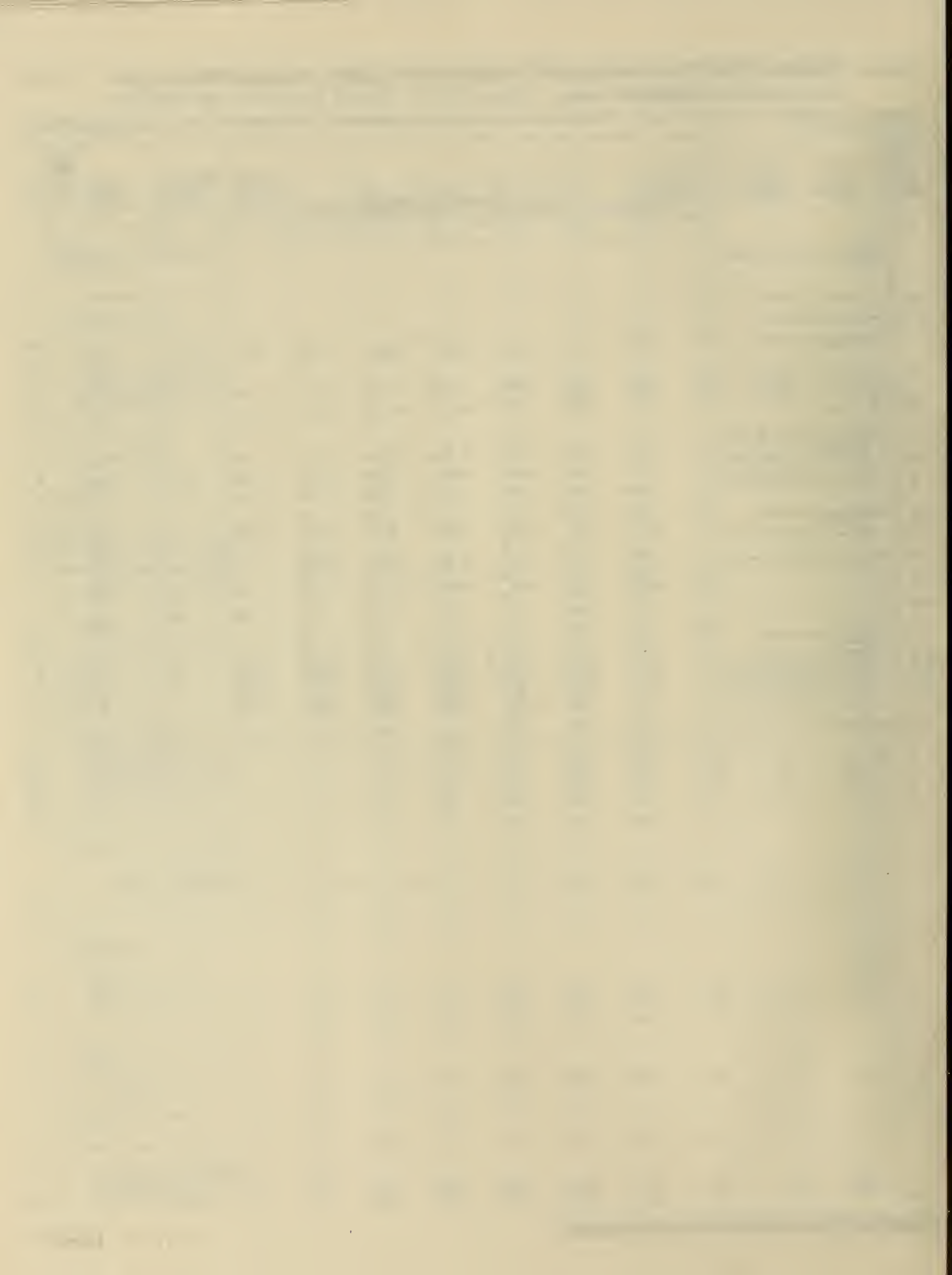
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
	CINCINNATI, OHIO-KY.-IND., SMSA—Con.											
15,16,17	Construction Industries—Con.											
16	Heavy construction general contractors:											
1611	Highway and street construction -----	52	947	20 333	116 575	106 791	32 859	77 796	9 784	3 019	6	2
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1623	Water, sewer, and utility lines -----	29	469	7 263	24 587	20 630	14 255	6 611	3 957	772	13	11
1629	Heavy construction, n.e.c. -----	12	750	11 098	29 882	27 591	20 077	(D)	2 291	697	(W)	(W)
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning-----	393	3 942	74 115	219 873	197 756	121 274	78 784	22 118	2 365	4	4
1721	Painting, paper hanging, and decorating-----	197	1 014	13 022	27 845	26 738	20 498	6 263	1 107	467	10	9
1731	Electrical work -----	169	1 818	42 060	98 938	97 670	61 202	37 470	1 268	878	5	3
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework-----	148	797	11 167	25 730	25 440	16 874	8 583	290	367	13	11
1742	Plastering, drywall, and insulation work-----	98	946	20 016	50 010	48 438	31 388	17 347	1 572	513	7	6
1743	Terrazzo, tile, marble, and mosaic work-----	18	131	2 386	5 312	5 288	3 153	2 259	24	45	22	16
175	Carpentering and flooring:											
1751	Carpentering-----	143	679	9 039	31 229	27 756	18 011	9 816	3 474	*283	11	11
1752	Floor laying and other floorwork-----	38	215	3 475	10 755	10 447	5 743	5 092	308	149	14	14
1761	Roofing and sheet metal work -----	156	1 143	21 830	63 608	60 004	35 436	24 786	3 605	1 310	8	5
1771	Concrete work -----	129	693	7 521	23 521	20 987	13 656	7 997	2 534	308	11	13
1781	Water well drilling -----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection-----	18	334	7 470	13 314	12 829	11 009	2 048	485	(D)	9	8
1793	Glass and glazing work-----	29	200	3 751	11 184	10 854	6 595	5 305	*330	*87	22	21
1794	Excavating and foundation work-----	121	851	15 732	60 833	56 720	37 883	19 960	4 113	1 381	9	15
1795	Wrecking and demolition work-----	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1796	Installing building equipment, n.e.c.-----	25	296	7 593	17 314	16 974	11 959	(D)	340	192	2	(W)
1799	Special trade contractors, n.e.c.-----	104	616	9 145	32 430	29 748	18 581	13 013	2 682	870	13	10
6552	Subdividers and developers, n.e.c.-----	25	114	2 233	7 671	6 269	5 965	820	*1 402	57	9	23
	LOUISVILLE, KY.-IND., SMSA											
	Construction Industries and subdividers and developers	1 824	18 848	323 269	1 218 244	947 841	580 148	391 908	270 403	19 277	2	1
15,16,17	Construction Industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses-----	224	791	8 265	43 401	32 991	17 486	15 806	10 411	619	11	10
1522	Other residential buildings-----	25	298	4 097	26 460	11 654	6 394	5 335	14 806	745	15	15
1531	Operative builders-----	48	215	3 849	53 394	26 145	18 685	(D)	27 249	201	15	12
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses-----	42	2 259	35 548	172 239	99 427	56 239	(D)	72 812	390	4	4
1542	Nonresidential buildings, n.e.c.-----	90	1 416	25 819	153 087	78 255	48 047	30 483	74 832	786	5	4
18	Heavy construction general contractors:											
1811	Highway and street construction -----	48	1 075	21 584	87 169	75 468	37 675	39 614	11 701	2 253	3	1
182	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	3	64	1 337	(D)	(D)	(D)	(D)	490	(D)	(W)	-
1623	Water, sewer, and utility lines -----	22	421	8 033	26 330	23 182	14 066	9 340	3 148	1 082	8	6
1629	Heavy construction, n.e.c. -----	9	498	10 215	41 756	34 042	(D)	(D)	7 714	(D)	(W)	(W)

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—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. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added‡	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
	LOUISVILLE, KY.-IND., SMSA—Con.											
	Construction industries—Con.											
	Special trade contractors:											
1711	Plumbing, heating, and air conditioning -----	325	3 403	62 606	209 106	183 335	107 725	77 011	25 772	2 953	4	3
1721	Painting, paper hanging, and decorating -----	130	979	13 369	30 272	27 756	21 304	(D)	2 516	643	10	8
1731	Electrical work -----	139	1 673	35 176	105 658	102 519	64 661	39 790	3 139	1 297	6	4
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework -----	93	726	8 286	21 302	20 348	13 062	(D)	954	*1 083	14	16
1742	Plastering, drywall, and insulation work -----	77	903	15 965	41 592	40 325	26 098	15 161	1 267	468	9	6
1743	Terrazzo, tile, marble, and mosaic work -----	24	107	1 688	5 734	5 653	3 538	(D)	81	306	23	25
175	Carpentering and flooring:											
1751	Carpentering -----	106	485	4 896	15 649	13 354	9 206	4 460	2 295	302	16	13
1752	Floor laying and other floorwork -----	37	159	1 824	6 187	6 097	3 651	2 446	90	*216	34	33
1761	Roofing and sheet metal work -----	102	973	16 833	46 587	44 285	30 942	(D)	2 302	940	10	7
1771	Concrete work -----	85	628	9 643	27 599	25 475	17 253	(D)	2 125	*348	10	7
1781	Water well drilling -----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	15	403	9 771	23 202	(D)	17 466	5 289	(D)	722	1	-
1793	Glass and glazing work -----	12	153	2 923	7 257	7 164	4 553	5 229	93	85	9	6
1794	Excavating and foundation work -----	50	302	4 824	14 009	12 130	9 604	2 933	1 880	447	18	12
1795	Wrecking and demolition work -----	6	(D)	(D)	(S)	(S)	(S)	(D)	(S)	(D)	-	-
1796	Installing building equipment, n.e.c. -----	23	466	11 069	31 957	30 329	19 695	(D)	1 628	504	(W)	(W)
1799	Special trade contractors, n.e.c. -----	72	345	4 056	15 644	15 023	9 697	5 670	621	276	16	18
6552	Subdividers and developers, n.e.c. -----	20	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-



Mississippi

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Journal

The first part of the journal describes the initial observations and the general conditions of the expedition. The second part details the various experiments conducted, including measurements of the atmosphere and the behavior of the instruments used. The third part discusses the results of these experiments and compares them with previous observations. The final part of the journal contains the author's conclusions and suggestions for further research.

SUMMARY OF FINDINGS

During 1982, 11,191 establishments in Mississippi operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$2.6 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 7,625 establishments in this State with no payroll accounted for about 10 percent of all business receipts for all construction establishments in Mississippi. On the other hand, 3,566 establishments classified as "employers" accounted for 90 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$2.32 billion, of which \$2.25 billion were receipts for construction work. These establishments paid \$374 million for construction work subcontracted to others, leaving net construction receipts of about \$1.9 billion. Value added for these establishments amounted to \$1.0 billion. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Mississippi paid \$853 million for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of

\$55.3 million were also made for selected power, fuels, and lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Mississippi was 37.3 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 13.3 million hours, while hours worked during the third quarter were 16.1 million hours.

Total payroll for 1982 was \$582 million. Payments of \$122 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Mississippi are based on a sample of about 3,102 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[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**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K		
1982														
	Construction Industries and subdividers and developers-----	11 191	9 100	37 278	2 562 651	7 625	7 578	247 087	3 566	1 522	37 278	2 315 564	1	1
15,16,17	Construction Industries ¹ -----	11 010	8 986	37 024	(D)	7 481	7 473	234 668	3 529	1 513	37 024	(D)	1	-
15	General building contractors and operative builders-----	2 378	1 693	7 548	(D)	1 407	1 353	89 241	971	340	7 548	(D)	4	-
16	Heavy construction, general contractors ..	462	266	14 991	1 113 441	148	151	12 498	314	115	14 991	1 100 943	1	1
17	Special trade contractors-----	8 170	7 027	14 485	772 562	5 926	5 969	132 929	2 244	1 058	14 485	639 633	3	2
1711	Plumbing, heating, and air conditioning-----	1 094	839	3 451	200 981	583	590	17 933	511	249	3 451	183 048	5	4
1731	Electrical work-----	697	534	1 974	100 576	401	415	11 532	296	119	1 974	89 044	7	6
6552	Subdividers and developers, n.e.c. ² -----	174	111	249	(D)	144	105	12 419	30	(S)	249	(D)	4	-
1977														
	Construction Industries and subdividers and developers-----	11 380	9 781	34 137	1 496 800	7 067	7 100	144 377	4 313	2 681	34 137	1 352 423	2	2
15,16,17	Construction Industries ¹ -----	11 246	9 696	34 808	1 511 160	6 990	7 021	139 560	4 256	2 675	34 808	1 371 600	2	2
15	General building contractors and operative builders-----	2 449	1 784	10 886	607 177	922	887	61 378	1 527	897	10 886	545 799	4	4
16	Heavy construction, general contractors ..	677	526	8 913	370 711	259	267	7 664	418	259	8 913	363 047	2	2
17	Special trade contractors-----	8 119	7 387	14 109	497 667	5 809	5 867	70 518	2 310	1 520	14 109	427 149	3	3
1711	Plumbing, heating, and air conditioning-----	1 138	953	3 392	139 105	605	616	12 185	533	337	3 392	126 920	6	5
1731	Electrical work-----	692	559	2 006	78 047	395	397	6 317	297	162	2 006	71 730	6	6
6552	Subdividers and developers, n.e.c. ² -----	140	84	231	21 250	77	79	4 817	63	5	231	16 433	16	13

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.
²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977

[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]

Receipts size	All establishments				Establishments without payroll ¹			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts	J	K
	A	B	C	D	E	F	G	H	I	J	K		
1982													
The State	11 191	9 100	37 278	2 562 651	7 625	7 578	247 087	3 566	1 522	37 278	2 315 564	1	1
\$10,000,000 or more	21	4	12 164	935 115	-	-	-	21	4	12 164	935 115	(W)	(W)
\$5,000,000 to \$9,999,999	39	7	2 913	(D)	1	2	(D)	38	5	2 913	(D)	(W)	-
\$2,500,000 to \$4,999,999	74	3	3 405	(D)	1	1	(D)	73	2	3 405	508 196	(W)	(W)
\$1,000,000 to \$2,499,999	231	27	5 185	856 109	8	6	22 530	223	21	5 185	325 383	4	5
\$500,000 to \$999,999	313	91	3 474	220 835	26	30	17 662	287	61	3 474	203 173	8	9
\$250,000 to \$499,999	503	219	2 806	175 557	111	92	37 471	392	127	2 806	138 086	9	7
\$100,000 to \$249,999	1 220	738	3 986	191 592	344	329	52 477	876	409	3 986	139 115	8	6
\$50,000 to \$99,999	1 203	940	1 725	84 496	597	604	41 055	606	336	1 725	43 441	8	7
\$25,000 to \$49,999	1 362	1 170	882	47 745	914	918	31 650	448	252	882	16 095	11	9
Less than \$25,000	6 223	5 900	736	51 200	5 623	5 596	44 242	600	304	736	6 958	9	9
\$10,000 to \$24,999	(NA)	(NA)	(NA)	(NA)	1 826	1 818	27 927	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	1 667	1 654	11 289	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,000 to \$4,999	(NA)	(NA)	(NA)	(NA)	1 454	1 448	4 350	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,000	(NA)	(NA)	(NA)	(NA)	676	676	676	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977													
The State	11 380	9 781	34 137	1 496 800	7 067	7 100	144 377	4 313	2 681	34 137	1 352 423	2	2
\$10,000,000 or more	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 ²	33	6	5 088	275 721	-	-	-	33	6	5 088	275 721	(W)	(W)
\$2,500,000 to \$4,999,999	55	6	3 346	(D)	1	-	(D)	54	6	3 346	181 210	(W)	(W)
\$1,000,000 to \$2,499,999	195	46	5 746	473 261	8	7	14 685	187	39	5 746	277 366	3	5
\$500,000 to \$999,999	333	118	4 409	229 155	27	21	17 579	306	97	4 409	211 576	4	6
\$250,000 to \$499,999	526	276	4 848	186 070	42	43	14 333	484	233	4 848	171 737	6	7
\$100,000 to \$249,999	1 055	727	5 026	166 195	144	135	21 407	911	592	5 026	144 788	10	9
\$50,000 to \$99,999	996	816	2 376	68 997	243	257	16 471	753	559	2 376	52 526	11	10
\$25,000 to \$49,999	1 318	1 144	2 162	46 952	554	564	18 932	764	580	2 162	28 020	19	3
Less than \$25,000	6 869	6 642	(S)	50 449	6 048	6 073	40 970	(S)	(S)	(S)	(S)	-	-
\$10,000 to \$24,999	1 923	1 824	742	29 810	1 475	1 501	22 033	448	323	742	7 777	19	15
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	1 881	1 884	12 607	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999	(NA)	(NA)	(NA)	(NA)	1 906	1 904	5 701	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500	(NA)	(NA)	(NA)	(NA)	786	784	629	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[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	1982							
		Number of establishments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
			A	B	C	D			
	Construction industries and subdividers and developers	3 566	37 278	32 448	582 257	496 607	59 805	2 253 837	1 880 305
15,16,17	Construction industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses	575	2 755	2 396	26 731	21 711	3 993	155 753	116 456
1522	Other residential buildings	71	597	502	7 673	5 405	805	47 806	28 962
1531	Operative builders	77	426	264	4 748	2 601	426	135 470	25 609
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	64	1 466	1 191	21 150	15 836	2 287	113 693	83 433
1542	Nonresidential buildings, n.e.c.	184	2 304	1 832	29 029	20 275	2 808	190 297	105 893
16	Heavy construction general contractors:								
1611	Highway and street construction	95	2 723	2 379	39 545	30 061	5 091	197 021	162 795
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	23	899	791	14 882	12 429	1 653	80 983	64 613
1623	Water, sewer, and utility lines	72	3 009	2 689	40 306	34 758	5 482	111 097	102 457
1629	Heavy construction, n.e.c.	124	8 360	8 051	209 895	202 000	16 988	695 478	611 548
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning	511	3 451	2 883	48 035	40 136	5 148	177 164	158 665
1721	Painting, paper hanging, and decorating	155	798	733	8 491	7 249	1 062	23 169	21 487
1731	Electrical work	296	1 974	1 537	31 133	24 221	2 627	84 181	81 851
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework	147	510	499	3 179	2 997	489	7 791	7 517
1742	Plastering, drywall, and insulation work	74	699	621	10 948	8 930	954	34 752	33 479
1743	Terrazzo, tile, marble, and mosaic work	26	111	88	1 061	817	117	3 375	3 341
175	Carpentering and flooring:								
1751	Carpentering	242	830	720	6 372	5 450	1 020	22 485	20 198
1752	Floor laying and other floorwork	41	129	107	1 250	669	148	5 524	4 955
1761	Roofing and sheet metal work	136	1 158	995	11 665	9 159	1 294	39 653	38 564
1771	Concrete work	110	682	626	6 991	5 960	982	29 874	28 607
1781	Water well drilling	47	277	235	5 024	3 687	496	24 050	23 178
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	43	845	704	16 834	13 344	1 447	30 410	(D)
1793	Glass and glazing work	22	168	116	2 489	1 703	154	7 755	7 679
1794	Excavating and foundation work	159	1 270	1 125	14 822	12 770	1 962	70 697	65 389
1795	Wrecking and demolition work	-	-	-	-	-	-	-	-
1796	Installing building equipment, n.e.c.	41	294	259	4 605	3 996	423	16 639	16 047
1799	Special trade contractors, n.e.c.	194	1 289	1 016	12 195	9 313	1 795	40 671	38 173
6552	Subdividers and developers, n.e.c.	30	249	84	3 200	1 126	142	18 046	(D)

†Land receipts for SIC 1531 were \$4,115; for SIC 6552 were \$7,148.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
1 022 752	908 016	373 532	39 426	50 080	488 359	34 137	1 301 403	568 859	1	1	3	15,16, 17
59 913	61 064	39 296	844	1 646	18 153	5 093	168 542	52 905	8	9	12	152
17 299	12 212	18 844	756	1 710	9 622	233	8 826	2 571	14	12	17	1521 1522
11 560	14 298	9 861	192	391	11 547	1 059	99 588	19 937	15	22	37	1531
38 412	50 580	30 260	1 465	3 006	16 615	1 163	70 330	18 937	7	8	15	154
48 596	58 128	84 404	1 050	1 836	25 409	3 338	177 702	55 998	6	4	8	1542
												16
96 630	74 396	34 226	5 267	10 370	96 919	3 593	173 660	91 537	2	2	2	1611
28 867	(D)	16 370	1 994	2 102	16 886	955	51 827	20 207	4	3	(W)	162
50 860	54 865	8 639	3 814	7 437	56 295	2 702	74 521	45 404	2	3	(W)	1622
307 878	(D)	83 930	10 427	3 904	94 772	1 663	50 561	30 172	1	(W)	5	1623 1629
												17
89 534	75 014	18 499	1 740	3 027	30 525	3 392	125 767	60 092	5	5	4	1711
16 395	5 786	1 681	199	502	4 121	833	18 173	12 378	12	12	15	1721
46 226	40 487	2 330	936	2 392	16 039	2 006	69 278	36 319	7	6	10	1731
5 338	2 192	274	27	56	2 505	1 425	14 481	10 296	18	19	26	174
20 173	(D)	1 273	344	588	3 395	866	22 133	14 333	9	4	6	1741
1 710	(D)	*34	43	(D)	704	191	4 911	2 763	25	38	-	1742 1743
												175
11 735	8 534	2 287	112	371	3 643	831	17 873	7 927	15	16	24	1751
2 807	(D)	569	30	40	703	222	8 592	3 210	13	9	11	1752
21 150	17 993	1 088	128	389	5 201	1 144	34 422	19 248	12	11	19	1761
16 814	12 106	1 267	353	1 106	11 078	460	7 543	3 970	12	11	24	1771
14 413	9 010	872	127	1 412	10 251	363	16 561	9 037	12	9	14	1781
19 290	6 127	(D)	511	577	5 858	(D)	5 354	3 812	8	-	8	179
4 671	6 331	*76	183	5	759	169	5 568	3 660	17	13	(W)	1791
54 622	11 579	5 307	8 165	5 566	29 866	614	26 053	17 746	9	6	5	1793 1794
-	-	-	-	-	-	(D)	311	262	-	-	-	1795
9 843	(D)	592	93	367	3 007	268	9 623	5 274	14	8	24	1796
23 471	17 136	2 497	582	(D)	8 898	1 067	30 579	17 008	13	11	-	1799
4 539	1 689	(D)	58	(D)	5 561	231	8 628	3 860	4	-	-	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 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	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year	3 566	4 313	4 210	2 839	3	4	4	3
Number of establishments in business at end of year	3 463	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Proprietors and working partners	1 522	2 681	3 287	2 450	5	6	6	7
All employees**	37 278	34 137	35 891	26 211	1	2	3	4
Construction workers:								
March	30 570	27 045	28 098	21 133	1	2	3	3
May	32 771	30 856	30 563	23 368	2	2	3	3
August	33 583	31 980	35 142	25 232	2	2	3	3
November	31 823	28 680	32 027	23 446	1	2	3	6
Average	32 448	29 662	31 934	23 588	1	2	3	4
Other employees:								
March	4 795	4 409	3 822	2 516	3	3	4	6
Construction worker hours (thousands):								
January to March	13 279	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
April to June	15 262	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
July to September	16 119	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
October to December	15 144	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Total hours worked	59 805	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Payroll, all employees	582 257	296 835	225 426	120 930	1	1	2	4
Payroll, construction workers	496 607	238 507	188 924	103 427	1	1	2	3
Payroll, other employees	85 650	58 328	36 502	17 495	2	2	3	6
First quarter payroll, all employees	125 669	60 996	(NA)	(NA)	1	1	(NA)	(NA)
Employer costs for fringe benefits	121 937	44 472	(NA)	(NA)	1	2	(NA)	(NA)
Legally required expenditures	83 256	32 378	(NA)	(NA)	1	2	(NA)	(NA)
Voluntary expenditures	38 681	12 094	(NA)	(NA)	1	1	(NA)	(NA)
All business receipts	2 315 564	1 352 423	1 049 203	562 588	1	2	3	4
Total construction receipts	2 253 837	1 301 403	1 016 035	544 923	1	2	3	4
Receipts for work subcontracted in from others	368 385	250 358	160 269	99 990	3	3	4	4
Land receipts ¹	11 263	(NA)	(NA)	(NA)	15	(NA)	(NA)	(NA)
Other business receipts	50 464	51 020	33 168	17 675	3	4	11	6
Net construction receipts†	1 880 305	1 059 434	804 556	431 627	1	2	3	3
Value added††	1 022 752	568 859	428 887	250 616	1	2	3	3
Selected payments	1 281 549	766 934	603 339	307 744	1	3	4	5
Materials, components, and supplies ²	852 679	493 188	391 860	193 272	1	3	3	3
Construction work subcontracted to others	373 532	241 969	211 479	113 297	2	3	6	9
Selected power, fuels, and lubricants	55 337	31 777	(NA)	(NA)	2	2	(NA)	(NA)
Electricity	7 062	3 480	(NA)	(NA)	2	3	(NA)	(NA)
Natural gas	1 430	1 305	(NA)	(NA)	7	6	(NA)	(NA)
Gasoline and diesel fuel (including gasohol)	41 984	23 701	(NA)	(NA)	2	2	(NA)	(NA)
Other, including lubricating oils and greases	4 861	3 292	(NA)	(NA)	2	4	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³	1 177	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures	39 426	16 445	(NA)	(NA)	1	3	(NA)	(NA)
For machinery and equipment	34 551	14 457	16 999	6 735	2	3	5	3
For structures	4 875	1 989	(NA)	(NA)	4	5	(NA)	(NA)
Selected purchased services	57 159	35 110	(NA)	(NA)	1	2	(NA)	(NA)
Communication services	10 255	6 327	(NA)	(NA)	3	4	(NA)	(NA)
Repairs to structures and related facilities	2 139	1 316	(NA)	(NA)	7	6	(NA)	(NA)
Repairs to machinery and equipment	44 763	27 468	(NA)	(NA)	1	2	(NA)	(NA)
Owncship of construction projects:								
Total construction receipts	2 253 837	1 301 403	1 016 035	544 923	1	2	3	4
Government owned	589 868	421 497	357 644	224 355	3	2	3	9
Privately owned	1 663 968	879 906	658 391	320 568	2	3	4	3

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 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	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets	458 966	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land	50 080	46 814	31 943	15 093	3	3	4	5
New	38 208	38 506	28 234	11 432	2	4	4	5
Used	13 871	8 308	3 709	3 661	7	7	8	11
Retirements and disposition of depreciable assets	20 687	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	488 359	309 863	198 798	(NA)	2	3	5	(NA)
Depreciation charges during year	63 918	36 725	23 770	(NA)	2	3	7	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets	81 873	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)
Capital expenditures, other than land	5 728	5 602	3 456	2 179	3	9	19	28
New structures and related facilities	3 978	4 689	2 596	1 047	4	9	14	32
Used structures and related facilities	1 749	913	860	1 132	4	10	25	25
Retirements and disposition of depreciable assets	1 019	(NA)	(NA)	(NA)	8	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	66 582	46 609	36 984	(NA)	5	8	18	(NA)
Depreciation charges during year	5 966	3 180	2 441	(NA)	5	11	15	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets	397 092	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land	44 352	41 211	28 467	12 914	3	6	6	7
New machinery and equipment, including automobiles and trucks	32 230	33 817	25 638	10 385	3	4	5	4
New automobiles and trucks, intended primarily for highway use	9 907	16 638	(NA)	(NA)	6	3	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks	12 122	7 394	2 849	2 529	8	8	7	10
Retirements and disposition of depreciable assets	19 667	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	421 777	263 255	161 814	(NA)	2	3	4	(NA)
Depreciation charges during year	57 950	33 546	21 329	(NA)	2	3	7	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

[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	3 566	3
Total construction receipts	2 253 637	1
Establishments with inventories:		
Number	820	16
Total construction receipts	683 950	3
Inventories¹:		
End of 1982, total	44 397	10
Value for establishments with LIFO reserve	5 506	8
Amount of LIFO reserve	(D)	-
Value for establishments with no LIFO reserve	38 891	11
End of 1981, total	30 341	5
Value for establishments with LIFO reserve	(D)	-
Amount of LIFO reserve	(D)	-
Value for establishments with no LIFO reserve	25 953	5
Establishments with no inventories:		
Number	2 946	3
Total construction receipts	1 569 687	2

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

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

[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
1982										
Number of establishments	3 566	2 231	670	378	203	53	25	1	3	2
All employees**	37 278	4 426	4 367	5 004	6 220	3 546	4 339	(D)	9 375	(D)
Payroll, all employees	582 257	36 228	46 462	59 872	90 810	58 936	70 661	(D)	219 287	(D)
Construction worker hours (thousands)	59 805	5 586	5 702	6 409	9 086	6 215	7 349	(D)	19 456	(D)
All business receipts	2 315 564	212 559	200 588	257 933	1 644 483	(D)	(D)	(D)	(D)	(D)
Total construction receipts	2 253 837	205 279	196 356	246 762	379 905	257 739	259 790	(D)	708 005	(D)
Net construction receipts†	1 880 305	169 474	167 098	207 291	293 783	204 111	212 886	(D)	625 661	(D)
Value added††	1 022 752	91 754	96 264	114 426	172 390	115 215	432 702	(D)	(D)	(D)
Payments for materials, components, supplies, and fuels	908 017	81 180	73 998	102 750	138 758	92 886	90 494	(D)	327 948	(D)
Payments for construction work subcontracted to others	373 532	35 805	29 257	39 471	86 122	53 628	46 904	(D)	82 344	(D)
Rental payments for machinery, equipment, and structures	39 426	1 895	2 109	2 813	4 867	4 894	22 846	(D)	(D)	(D)
Capital expenditures, other than land	50 080	3 739	3 199	8 077	6 908	7 145	12 817	(D)	8 193	(D)
End-of-year gross book value of depreciable assets	488 359	53 592	61 778	51 172	81 156	57 155	79 165	(D)	104 340	(D)
1977										
All employees**	34 137	5 206	5 453	6 593	7 548	3 652	3 040	2 645	(D)	-
Total construction receipts	1 301 403	196 433	180 712	226 543	304 768	173 078	138 123	81 746	(D)	-
Value added††	568 859	76 391	73 256	100 664	121 784	71 218	76 117	49 430	(D)	-
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	5	7	6	4	(W)	(W)	-	(W)	-
Net construction receipts†	1	6	8	7	2	(W)	(W)	-	(W)	-
Capital expenditures, other than land	3	12	20	12	2	(W)	(W)	-	(W)	-

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

[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 all business receipts of—									
		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
1982											
Number of establishments	3 566	600	448	606	876	392	287	223	73	38	21
All employees**	37 278	736	882	1 725	3 986	2 806	3 474	5 185	3 405	2 913	12 164
Payroll, all employees	582 257	2 024	4 517	12 141	36 154	32 620	44 516	75 676	51 624	51 266	271 718
Construction worker hours (thousands)	59 805	684	834	1 944	4 959	3 793	4 729	7 655	5 610	4 617	24 975
All business receipts	2 315 564	6 958	16 095	43 441	139 115	138 086	202 173	325 383	508 196	(D)	935 115
Total construction receipts	2 253 837	6 849	15 905	42 544	136 664	134 791	196 028	309 146	239 758	245 580	926 569
Net construction receipts†	1 880 305	6 101	14 615	38 149	122 847	114 848	162 745	256 736	177 381	190 133	796 747
Value added††	1 022 752	3 719	9 253	23 185	71 578	62 723	88 868	148 043	102 126	112 852	400 402
Payments for materials, components, supplies, and fuels	908 017	2 437	5 499	15 513	53 604	54 420	80 427	121 008	86 009	84 206	404 891
Payments for construction work subcontracted to others	373 532	748	1 290	4 395	13 817	19 943	33 283	52 410	62 377	55 447	129 822
Rental payments for machinery, equipment, and structures	39 426	47	108	579	1 443	1 436	2 688	3 741	3 523	6 432	19 426
Capital expenditures, other than land	50 080	*110	250	796	3 685	2 447	4 883	6 159	4 924	7 623	19 200
End-of-year gross book value of depreciable assets	488 359	2 154	5 637	15 000	40 076	33 721	47 399	77 640	51 919	51 342	163 469
1977											
All employees**	34 137	(S)	2 162	2 376	5 026	4 848	4 409	5 746	3 346	15 088	(NA)
Total construction receipts	1 301 403	(S)	27 795	51 541	141 241	167 005	202 060	267 205	167 916	1267 409	(NA)
Value added††	568 859	(S)	15 088	25 786	69 108	67 668	77 963	102 718	73 130	132 676	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	1	9	11	8	8	9	8	4	(W)	(W)	(W)
Net construction receipts†	1	9	10	8	6	8	9	6	(W)	(W)	(W)
Capital expenditures, other than land	3	41	28	22	17	18	16	13	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

*Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[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	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair	A	B	C
	A	B	C	A	B	C
1982						
Total construction receipts†	2 253 837	1 926 221	327 616	1	1	2
Building construction	890 181	747 007	143 174	2	2	3
Single-family houses	273 273	222 453	50 819	6	6	6
Single-family houses, detached	250 236	202 409	47 827	7	7	7
Single-family houses, attached	23 036	20 044	2 992	13	14	24
Apartment buildings with two or more apartments	62 236	55 496	6 739	9	10	15
Other residential buildings	18 598	13 884	4 714	8	10	9
Office and bank buildings	122 120	105 841	16 279	3	3	6
Farm buildings	7 759	6 383	1 376	18	16	21
Industrial buildings and warehouses	186 101	150 924	35 176	4	5	6
Industrial buildings	144 455	115 555	28 899	5	5	6
Warehouses	41 646	35 368	6 277	8	9	14
Stores, restaurants, public garages, and automobile service stations	58 208	47 204	11 004	5	5	13
Religious buildings	14 446	12 337	2 108	14	16	9
Educational buildings	52 165	45 068	7 097	4	4	12
Hospitals and institutional buildings	81 634	76 154	5 480	4	4	10
Other nonresidential buildings	5 555	4 227	1 327	11	15	8
Nonbuilding construction	1 203 840	1 050 981	152 858	1	1	2
Highways, streets, and related facilities	234 858	151 111	83 746	2	3	2
Bridges, tunnels, and elevated highways	74 772	70 199	4 573	4	4	6
Conservation and development construction	24 899	22 777	2 122	4	4	26
Power and communication transmission lines, towers, and related facilities	72 003	58 017	13 986	2	2	7
Sewers, water mains, and related facilities	58 062	45 558	12 504	8	7	5
Sewers, sewer lines, and related facilities	25 256	22 031	3 224	10	11	14
Water mains and related facilities	32 806	23 526	9 279	9	11	5
Oilfields	31 257	18 444	12 813	6	5	8
Other nonbuilding construction	707 983	684 870	23 110	1	1	20
Construction work, n.s.k.	159 815	128 232	31 582	6	6	7
1977						
Total construction receipts†	1 301 403	1 115 863	185 540	2	2	3
Building construction	814 638	696 448	118 190	3	3	4
Single-family houses	342 584	297 015	45 569	6	7	8
Apartment buildings with two or more apartments	19 493	15 649	3 844	10	11	20
Other residential buildings	9 685	7 719	1 966	30	38	16
Office and bank buildings	41 308	34 568	6 740	2	2	7
Industrial buildings and warehouses	143 931	118 488	25 443	2	2	3
Stores, restaurants, public garages, and automobile service stations	69 263	58 922	10 341	5	5	12
Religious buildings	30 924	27 962	2 962	4	4	11
Educational buildings	56 051	48 044	8 007	3	3	13
Hospitals and institutional buildings	70 610	61 140	9 470	3	2	18
Other nonresidential buildings	30 789	26 942	3 847	4	4	6
Nonbuilding construction	390 497	337 489	53 008	2	2	5
Highways, streets, and related facilities	167 678	136 339	31 339	3	3	6
Bridges, tunnels, and elevated highways	49 112	47 873	1 239	(W)	(W)	1
Power and communication transmission lines, towers, and related facilities	42 365	40 857	1 508	(W)	(W)	(W)
Sewers, water mains, and related facilities	48 893	42 886	6 007	6	5	21
Other nonbuilding construction	82 449	69 534	12 915	4	4	11
Construction work, n.s.k.	96 283	81 910	14 373	5	5	10

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

[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 worker hours (thousands)	January to March		April to June	
					Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)
					A	B	C	D
	Construction industries and subdividers and developers -----	3 586	32 448	59 805	30 570	13 279	32 771	15 262
15,16,17	Construction industries:							
15	General building contractors and operative builders:							
152	General contractors, residential buildings:							
1521	Single-family houses -----	575	2 396	3 993	2 296	989	2 429	1 035
1522	Other residential buildings -----	71	502	805	473	179	607	224
1531	Operative builders -----	77	264	426	294	115	282	106
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses -----	64	1 191	2 287	1 069	471	1 308	636
1542	Nonresidential buildings, n.e.c. -----	184	1 832	2 808	1 792	634	1 802	722
16	Heavy construction general contractors:							
1611	Highway and street construction -----	95	2 379	5 091	1 891	933	2 450	1 377
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction -----	23	791	1 653	668	337	782	434
1623	Water, sewer, and utility lines -----	72	2 689	5 482	2 457	1 248	2 662	1 353
1629	Heavy construction, n.e.c. -----	124	8 051	16 988	7 877	(D)	7 899	4 197
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning -----	511	2 883	5 148	2 798	1 229	2 857	1 274
1721	Painting, paper hanging, and decorating ----	155	733	1 062	766	279	698	257
1731	Electrical work -----	296	1 537	2 627	1 463	622	1 587	689
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework -----	147	499	489	467	117	489	125
1742	Plastering, drywall, and insulation work ---	74	621	954	639	235	651	237
1743	Terrazzo, tile, marble, and mosaic work ---	26	88	117	71	*23	101	28
175	Carpentering and flooring:							
1751	Carpentering -----	242	720	1 020	664	238	812	277
1752	Floor laying and other floorwork -----	41	107	148	113	38	101	37
1761	Roofing and sheet metal work -----	136	995	1 294	970	289	988	329
1771	Concrete work -----	110	626	982	525	200	643	247
1781	Water well drilling -----	47	235	496	292	159	261	138
179	Miscellaneous special trade contractors:							
1791	Structural steel erection -----	43	704	1 447	583	289	638	320
1793	Glass and glazing work -----	22	116	154	112	38	106	32
1794	Excavating and foundation work -----	159	1 125	1 962	996	384	1 215	570
1795	Wrecking and demolition work -----	-	-	-	-	-	-	-
1796	Installing building equipment, n.e.c. -----	41	259	423	253	97	250	96
1799	Special trade contractors, n.e.c. -----	194	1 016	1 795	957	(D)	1 067	471
6552	Subdividers and developers, n.e.c. -----	30	84	142	81	35	82	37

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)	B	C	D	E	F	G	H	I	J	K	
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
33 583	16 119	31 823	15 144	1	1	1	2	2	1	2	2	1	1	15,16,17
														15
2 481 463	1 065 199	2 258 457	903 202	8 13	9 13	9 13	12 10	9 21	10 16	9 13	10 15	9 16	10 21	152 1521 1522
261	113	213	90	17	16	16	17	17	19	19	20	20	25	1531
1 212 1 895	597 777	1 173 1 705	581 674	7 6	6 6	8 6	7 6	7 8	7 8	6 7	7 8	7 5	7 6	154 1541 1542
														16
2 759	1 540	2 382	1 240	2	2	1	2	2	2	2	2	4	4	1611
														162
956 3 025 7 917	499 1 546 (D)	752 2 602 8 455	381 1 333 4 683	4 2 1	3 2 (W)	4 2 1	4 2 -	4 2 1	3 2 1	3 2 1	3 2 -	3 2 1	3 2 1	1622 1623 1629
														17
2 935	1 313	2 817	1 330	5	5	6	7	5	6	5	6	6	7	1711
742	271	696	253	12	13	14	16	12	15	12	15	12	16	1721
1 570	710	1 328	604	7	7	7	8	7	9	10	11	8	9	1731
														174
494 626 99	129 254 37	522 535 81	116 226 27	18 9 19	18 7 24	19 12 26	26 10 42	18 9 17	24 8 34	19 10 17	24 8 29	21 10 23	26 9 36	1741 1742 1743
678 109	259 39	674 94	245 32	15 14	17 19	16 12	21 29	17 15	22 31	17 17	21 32	17 11	22 30	175 1751 1752
1 065	364	936	311	13	11	12	13	13	12	14	12	15	13	1761
631	264	686	270	13	12	14	15	13	14	14	14	15	16	1771
231	121	139	76	12	13	11	14	11	15	12	16	15	21	1781
														179
747 119 1 164	399 37 520	829 126 1 056	437 46 486	7 20 9	6 13 8	9 19 8	9 17 10	9 20 9	8 21 9	7 22 9	7 19 10	5 18 10	5 15 9	1791 1793 1794
264 1 046	102 (D)	273 951	127 426	15 11	13 12	15 11	15 -	17 12	17 14	18 11	17 -	12 12	14 14	1795 1796 1799
91	38	79	32	5	6	7	15	5	12	5	10	4	10	6552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

[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)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	Construction industries and subdividers and developers -----	10.5	15.6	1.8	69.5	.258	.403	.166	.022	.017
15,16,17	Construction Industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses -----	4.8	9.7	1.7	65.0	.172	.392	.252	.011	.005
1522	Other residential buildings -----	8.4	12.9	1.6	95.2	.161	.255	.394	.036	.016
1531	Operative builders -----	5.5	11.1	1.6	134.4	.134	.403	.278	.011	.005
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses -----	22.9	14.4	1.9	95.5	.186	.445	.266	.026	.013
1542	Nonresidential buildings, n.e.c. -----	12.5	12.6	1.5	103.9	.153	.305	.444	.010	.006
16	Heavy construction general contractors:									
1611	Highway and street construction -----	28.7	14.5	2.1	82.8	.201	.378	.174	.053	.027
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction -----	39.1	16.6	2.1	102.4	.184	(D)	.202	.026	.025
1623	Water, sewer, and utility lines -----	41.8	13.4	2.0	41.3	.363	.494	.078	.067	.034
1629	Heavy construction, n.e.c. -----	67.4	25.1	2.1	86.4	.302	(D)	.121	.006	.015
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning -----	6.8	13.9	1.8	61.5	.271	.423	.104	.017	.010
1721	Painting, paper hanging, and decorating -----	5.1	10.6	1.4	31.6	.366	.250	.073	.022	.009
1731	Electrical work -----	6.7	15.8	1.7	54.8	.370	.481	.028	.028	.011
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework -----	3.5	6.2	1.0	15.6	.408	.281	.035	.007	.003
1742	Plastering, drywall, and insulation work -----	9.4	15.7	1.5	56.0	.315	(D)	.037	.017	.010
1743	Terrazzo, tile, marble, and mosaic work -----	4.3	9.6	1.3	38.4	.314	(D)	.010	(D)	.013
175	Carpentering and flooring:									
1751	Carpentering -----	3.4	7.7	1.4	31.2	.283	.380	.102	.016	.005
1752	Floor laying and other floorwork -----	3.1	9.7	1.4	51.6	.226	(D)	.103	.007	.005
1761	Roofing and sheet metal work -----	8.5	10.1	1.3	39.9	.294	.454	.027	.010	.003
1771	Concrete work -----	6.2	10.3	1.6	47.7	.234	.405	.042	.037	.012
1781	Water well drilling -----	5.9	18.1	2.1	102.3	.209	.375	.036	.059	.005
179	Miscellaneous special trade contractors:									
1791	Structural steel erection -----	19.7	19.9	2.1	43.2	.554	.201	(D)	.019	.017
1793	Glass and glazing work -----	7.6	14.8	1.3	66.9	.321	.816	.010	.001	.024
1794	Excavating and foundation work -----	8.0	11.7	1.7	62.8	.210	.164	.075	.079	.115
1795	Wrecking and demolition work -----	-	-	-	-	-	-	-	-	-
1796	Installing building equipment, n.e.c. -----	7.2	15.7	1.6	64.2	.277	(D)	.036	.022	.006
1799	Special trade contractors, n.e.c. -----	6.6	9.5	1.8	40.0	.300	.421	.061	(D)	.014
6552	Subdividers and developers, n.e.c. -----	8.3	12.9	2.9	95.8	.398	.210	(D)	(D)	.007

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

[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. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
	MEMPHIS, TENN.-ARK.-MISS., SMSA											
	Construction industries and subdividers and developers	1 662	17 376	274 725	1 154 263	887 416	528 726	392 809	266 848	18 246	2	2
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	164	979	10 880	109 365	91 435	57 872	35 658	17 930	938	10	5
1522	Other residential buildings	27	255	4 318	38 348	23 306	13 634	10 002	15 042	111	2	(W)
1531	Operative builders	102	538	6 379	45 695	29 385	*8 353	21 257	16 310	*389	19	24
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	34	(S)	(S)	(S)	(S)	(D)	(S)	(S)	(D)	-	-
1542	Nonresidential buildings, n.e.c.	68	1 765	28 709	191 931	84 481	48 899	36 112	107 450	1 038	4	3
16	Heavy construction general contractors:											
1611	Highway and street construction	43	915	12 490	60 813	50 041	20 801	(D)	10 772	3 966	11	6
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	4	70	1 156	5 644	3 745	1 738	(D)	1 899	(D)	(W)	(W)
1623	Water, sewer, and utility lines	36	833	10 587	38 482	32 104	21 705	10 654	6 378	1 517	8	5
1629	Heavy construction, n.e.c.	25	655	12 340	48 402	38 387	24 550	15 176	10 015	1 175	3	4
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	237	1 933	36 200	123 088	111 003	61 962	51 892	12 085	1 630	7	6
1721	Painting, paper hanging, and decorating	107	706	8 740	21 904	19 619	14 473	5 173	2 285	504	14	10
1731	Electrical work	143	1 659	36 877	92 309	90 320	54 712	40 560	1 989	960	6	5
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	71	490	7 080	17 215	16 793	10 962	5 899	423	431	14	12
1742	Plastering, drywall, and insulation work	86	1 036	17 631	57 215	53 210	34 297	20 822	4 005	613	8	8
1743	Terrazzo, tile, marble, and mosaic work	21	173	2 518	8 390	8 240	4 562	3 783	150	287	18	24
175	Carpentering and flooring:											
1751	Carpentering	101	488	4 436	15 295	13 961	7 466	6 535	1 334	*453	20	23
1752	Floor laying and other floorwork	40	169	1 852	8 274	7 646	4 161	3 587	628	115	18	18
1761	Roofing and sheet metal work	66	708	11 538	38 392	35 999	23 441	(D)	2 393	428	8	6
1771	Concrete work	63	348	2 982	9 027	8 505	5 198	3 349	522	119	26	20
1781	Water well drilling	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	19	284	5 081	10 828	10 058	8 384	(D)	770	279	9	7
1793	Glass and glazing work	14	(S)	(S)	(S)	(D)	(S)	(S)	(D)	(S)	-	-
1794	Excavating and foundation work	60	1 000	12 832	45 152	39 127	28 936	(D)	6 026	1 474	8	6
1795	Wrecking and demolition work	4	(D)	(D)	496	418	427	(D)	78	(D)	-	(W)
1796	Installing building equipment, n.e.c.	19	343	7 458	23 247	22 592	14 919	7 701	655	465	6	4
1799	Special trade contractors, n.e.c.	88	624	7 355	31 989	29 111	15 578	15 044	2 878	414	12	15
6552	Subdividers and developers, n.e.c.	23	153	1 645	4 069	3 253	2 697	704	816	103	13	19

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Tennessee

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MEMORANDUM

TO : [Illegible]

FROM : [Illegible]

SUBJECT : [Illegible]

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SUMMARY OF FINDINGS

During 1982, 29,336 establishments in Tennessee operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$6.0 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 21,778 establishments in this State with no payroll accounted for about 12 percent of all business receipts for all construction establishments in Tennessee. On the other hand, 7,558 establishments classified as "employers" accounted for 88 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$5.3 billion, of which \$5.1 billion were receipts for construction work. These establishments paid \$1.4 billion for construction work subcontracted to others, leaving net construction receipts of about \$3.7 billion. Value added for these establishments amounted to \$2.1 billion. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Tennessee paid \$1.6 billion for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$106 million were also made for selected power, fuels, and

lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Tennessee was 73.5 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 23.3 million hours, while hours worked during the third quarter were 27.4 million hours.

Total payroll for 1982 was \$1.1 billion. Payments of \$187 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Tennessee are based on a sample of about 3,102 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[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**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K		
1982														
	Construction Industries and subdividers and developers-----	29 336	25 286	73 508	5 989 144	21 778	22 023	717 091	7 558	3 263	73 506	5 272 053	1	1
15,16,17	Construction Industries ¹ -----	28 832	24 820	72 946	5 913 150	21 379	21 565	669 768	7 453	3 255	72 946	5 243 382	1	1
15	General building contractors and operative builders-----	5 385	4 186	19 686	2 414 301	3 304	3 304	233 359	2 081	882	19 686	2 180 942	2	1
16	Heavy construction, general contractors ..	1 578	1 160	11 701	933 727	1 020	1 028	58 930	558	132	11 701	874 797	2	1
17	Special trade contractors-----	21 869	19 474	41 559	2 565 122	17 055	17 233	377 479	4 814	2 241	41 559	2 187 643	2	1
1711	Plumbing, heating, and air conditioning----	2 637	2 101	8 376	553 116	1 659	1 689	52 488	978	412	8 376	500 628	3	3
1731	Electrical work-----	1 727	1 343	7 419	481 190	1 180	1 179	31 265	547	164	7 419	449 925	2	1
6552	Subdividers and developers, n.e.c. ² -----	498	462	(S)	(S)	399	458	47 323	99	4	(S)	(S)	-	-
1977														
	Construction Industries and subdividers and developers-----	27 262	25 334	85 239	4 129 576	17 910	18 495	422 056	9 352	6 839	85 239	3 707 520	1	1
15,16,17	Construction Industries ¹ -----	26 778	24 724	84 323	4 023 103	17 536	17 938	375 422	9 242	6 786	84 323	3 647 681	1	1
15	General building contractors and operative builders-----	6 431	5 636	26 026	1 790 336	3 103	3 225	183 389	3 328	2 411	26 026	1 606 947	2	2
16	Heavy construction, general contractors ..	1 331	1 131	15 965	753 517	684	726	32 575	647	405	15 965	720 942	1	1
17	Special trade contractors-----	19 016	17 958	42 332	1 479 250	13 749	13 987	159 458	5 267	3 971	42 332	1 319 792	2	1
1711	Plumbing, heating, and air conditioning----	2 257	1 882	8 998	391 718	1 204	1 234	23 848	1 053	648	8 998	367 870	3	3
1731	Electrical work-----	1 584	1 386	7 620	286 051	962	973	11 362	622	413	7 620	274 689	3	3
6552	Subdividers and developers, n.e.c. ² -----	490	610	917	106 479	374	557	46 634	116	53	917	59 845	11	10

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977

[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]

Receipts size	All establishments				Establishments without payroll ¹			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts	J	K
	A	B	C	D	E	F	G	H	I	J	K	J	K
1982													
The State -----	29 336	25 286	73 506	5 989 144	21 778	22 023	717 091	7 558	3 263	73 506	5 272 053	1	1
\$10,000,000 or more -----	70	4	12 080	(D)	2	2	(D)	68	2	12 080	(D)	(W)	-
\$5,000,000 to \$9,999,999 -----	96	17	7 269	2 501 412	3	3	53 087	93	14	7 269	2 448 325	(W)	(W)
\$2,500,000 to \$4,999,999 -----	206	14	9 318	728 455	6	7	20 361	200	7	9 318	708 094	(W)	(W)
\$1,000,000 to \$2,499,999 -----	550	91	13 329	861 447	31	32	43 315	519	59	13 329	818 132	2	3
\$500,000 to \$999,999 -----	866	278	9 732	603 286	99	94	68 114	767	184	9 732	535 172	5	4
\$250,000 to \$499,999 -----	1 246	568	7 537	432 788	244	236	82 901	1 002	332	7 537	349 887	6	5
\$100,000 to \$249,999 -----	2 714	1 878	7 768	429 766	969	985	146 557	1 745	893	7 768	283 209	6	5
\$50,000 to \$99,999 -----	2 611	2 200	3 322	183 775	1 453	1 505	99 622	1 158	695	3 322	84 153	7	5
\$25,000 to \$49,999 -----	3 255	3 003	1 776	114 169	2 371	2 475	82 346	884	528	1 776	31 823	8	6
Less than \$25,000 -----	17 720	17 230	1 373	134 042	16 600	16 684	120 788	1 120	546	1 373	13 254	6	6
\$10,000 to \$24,999 -----	(NA)	(NA)	(NA)	(NA)	4 844	4 906	74 080	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	4 578	4 607	30 826	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,000 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	4 576	4 566	13 280	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,000 -----	(NA)	(NA)	(NA)	(NA)	2 602	2 605	2 602	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977													
The State -----	27 262	25 334	85 239	4 129 576	17 910	18 495	422 056	9 352	6 839	85 239	3 707 520	1	1
\$10,000,000 or more -----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 ² -----	97	11	16 232	(D)	1	1	(D)	96	10	16 232	1 062 804	(W)	(NA)
\$2,500,000 to \$4,999,999 -----	150	19	8 993	496 027	-	-	-	150	19	8 993	496 027	(W)	1
\$1,000,000 to \$2,499,999 -----	525	140	15 157	1 864 247	24	29	46 991	501	111	15 157	754 452	1	2
\$500,000 to \$999,999 -----	786	379	10 934	548 523	91	99	62 280	695	280	10 934	486 243	3	4
\$250,000 to \$499,999 -----	1 248	827	10 738	437 879	161	192	54 022	1 087	635	10 738	383 857	4	4
\$100,000 to \$249,999 -----	2 328	1 994	10 558	384 626	432	504	66 645	1 896	1 490	10 558	317 981	5	5
\$50,000 to \$99,999 -----	2 332	2 193	6 221	168 345	648	745	44 590	1 684	1 448	6 221	123 755	7	6
\$25,000 to \$49,999 -----	3 035	2 946	3 992	107 915	1 307	1 443	45 108	1 728	1 503	3 992	62 807	8	7
Less than \$25,000 -----	16 759	16 825	2 413	122 014	15 246	15 482	102 420	1 513	1 343	2 413	19 594	12	10
\$10,000 to \$24,999 -----	4 641	4 687	1 569	71 907	3 717	3 850	55 587	924	837	1 569	16 320	18	15
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	4 660	4 720	31 472	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	4 644	4 681	13 586	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 -----	(NA)	(NA)	(NA)	(NA)	2 225	2 231	1 775	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[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	1982							
		Number of establishments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction industries and subdividers and developers	7 558	73 506	61 360	1 098 325	836 990	102 070	5 110 219	3 713 067
15,16, 17	Construction industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses	1 180	4 762	4 093	47 403	37 891	6 240	316 481	245 430
1522	Other residential buildings	104	1 481	1 183	21 136	15 486	2 127	158 760	81 789
1531	Operative builders	310	1 954	1 248	25 328	13 539	1 918	1159 723	103 640
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	138	3 620	3 009	58 543	43 294	4 977	327 812	176 872
1542	Nonresidential buildings, n.e.c.	349	7 869	6 293	136 169	94 797	11 211	1 172 918	451 556
16	Heavy construction general contractors:								
1611	Highway and street construction	225	4 465	3 872	64 586	49 743	7 360	344 259	277 508
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	27	1 213	1 046	20 904	15 806	2 030	103 003	89 334
1623	Water, sewer, and utility lines	172	3 444	2 935	47 893	37 381	5 702	191 511	161 572
1629	Heavy construction, n.e.c.	134	2 579	2 234	46 258	36 831	3 958	213 106	166 368
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning.....	978	8 376	6 739	133 840	99 651	11 576	486 141	435 407
1721	Painting, paper hanging, and decorating	323	2 113	1 927	24 748	20 727	2 592	61 135	58 200
1731	Electrical work	547	7 419	6 157	144 154	115 712	10 562	441 819	432 623
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework	437	2 646	2 494	29 393	26 265	3 076	76 901	75 280
1742	Plastering, drywall, and insulation work	334	3 710	3 202	56 363	45 409	5 147	169 537	161 854
1743	Terrazzo, tile, marble, and mosaic work	55	449	366	5 198	3 728	517	16 893	16 428
175	Carpentering and flooring:								
1751	Carpentering	425	1 693	1 597	14 992	13 883	2 319	53 418	48 318
1752	Floor laying and other floorwork.....	96	380	291	4 360	3 074	468	17 879	16 791
1761	Roofing and sheet metal work	398	3 693	3 212	50 321	38 185	4 628	159 355	153 790
1771	Concrete work	232	2 042	1 822	25 910	20 905	2 972	120 377	102 264
1781	Water well drilling	51	234	180	3 213	2 039	341	13 722	13 492
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	88	1 371	1 194	22 229	17 776	1 699	64 308	58 913
1793	Glass and glazing work	61	729	440	12 317	7 510	722	41 229	40 589
1794	Excavating and foundation work	343	3 481	2 998	48 554	39 523	5 303	220 824	180 263
1795	Wrecking and demolition work	11	(D)	131	(D)	1 047	120	3 014	2 441
1796	Installing building equipment, n.e.c.	70	1 215	977	25 318	19 877	1 774	76 476	73 456
1799	Special trade contractors, n.e.c.	365	1 873	1 516	20 910	15 053	2 358	82 842	77 127
6552	Subdividers and developers, n.e.c.	99	(S)	(S)	(S)	(S)	(S)	(S)	(S)

†Land receipts for SIC 1531 were \$16,238.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††	B	H	M	
I	J	K	L	M	N	O	P	Q				
2 113 330	1 734 988	1 397 152	63 251	86 599	975 857	85 239	3 548 969	1 466 511	1	1	2	15,16,17
												15
140 608	109 257	71 050	1 636	4 520	34 680	9 083	300 792	104 335	5	4	11	152
32 854	51 563	76 971	1 944	1 127	11 493	1 402	91 451	19 062	5	4	4	1521
												1522
55 619	54 875	56 083	825	1 765	44 250	3 534	284 733	78 156	8	8	14	1531
												154
106 351	81 366	150 940	3 451	1 873	27 294	4 432	260 637	72 082	3	4	4	1541
220 789	235 014	721 362	10 291	8 061	70 188	7 575	600 473	132 977	2	2	2	1542
												16
133 763	159 637	66 751	6 546	11 897	164 453	7 522	379 683	155 850	3	2	1	1611
												162
44 384	47 832	13 669	952	3 617	45 056	1 163	58 787	32 528	3	2	(W)	1622
95 760	66 740	29 939	4 990	5 657	74 589	4 719	165 192	85 851	3	3	7	1623
104 936	64 646	46 738	3 260	3 901	37 095	2 561	96 375	56 486	2	2	1	1629
												17
231 245	218 648	50 734	4 451	7 318	84 758	8 998	360 532	156 294	3	3	8	1711
41 345	16 967	2 935	709	1 073	8 630	2 289	45 928	33 035	9	7	4	1721
235 822	204 907	9 196	2 970	6 131	59 304	7 620	268 486	160 191	2	1	4	1731
												174
53 426	22 112	1 621	488	1 447	16 590	4 459	85 750	53 318	7	5	8	1741
101 820	65 972	7 683	1 332	2 325	16 638	3 158	83 189	47 427	5	4	10	1742
9 164	7 920	465	111	327	2 437	551	14 894	8 119	18	17	16	1743
												175
27 447	21 013	5 100	351	751	7 596	1 922	28 914	17 799	10	10	22	1751
9 013	7 932	1 088	207	273	2 173	642	22 544	9 786	13	14	10	1752
88 356	70 991	5 565	1 581	3 223	24 601	3 493	99 773	52 821	5	4	12	1761
54 471	54 680	18 112	997	2 553	29 290	1 765	44 583	24 940	7	5	5	1771
7 648	6 203	230	138	901	10 252	350	14 658	9 483	22	17	6	1781
												179
58 042	19 870	5 395	1 515	1 167	14 259	1 118	33 422	26 933	5	5	3	1791
21 011	30 133	640	414	309	3 090	780	22 809	16 685	10	10	11	1793
135 054	48 254	40 561	11 909	13 683	150 419	2 091	66 444	45 722	5	4	4	1794
2 290	229	573	60	66	565	117	2 130	1 918	-	(W)	(W)	1795
50 595	25 876	3 020	841	1 092	9 646	770	29 893	19 456	4	2	(W)	1796
42 334	38 212	5 714	1 201	1 325	15 837	2 209	56 779	33 696	8	8	9	1799
(S)	(S)	(S)	(S)	(S)	(S)	917	30 125	11 566	-	-	-	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 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	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year	7 558	9 352	8 587	6 870	2	3	3	3
Number of establishments in business at end of year	7 334	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Proprietors and working partners	3 263	6 839	6 762	6 115	3	4	4	5
All employees**	73 506	85 239	85 682	71 788	1	1	2	2
Construction workers:								
March	57 969	64 673	66 938	58 369	1	1	2	1
May	61 307	76 632	74 004	64 337	1	1	2	2
August	63 339	80 300	79 860	69 603	1	1	2	2
November	59 892	73 783	73 140	63 497	1	1	2	2
Average	61 360	74 002	74 268	64 388	1	1	2	2
Other employees:								
March	12 028	10 569	10 925	7 110	1	2	3	2
Construction worker hours (thousands):								
January to March	23 386	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
April to June	26 181	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
July to September	27 416	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
October to December	25 086	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Total hours worked	102 070	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Payroll, all employees	1 098 325	839 143	614 874	378 699	1	1	2	1
Payroll, construction workers	836 990	667 116	505 547	320 738	1	1	2	1
Payroll, other employees	261 335	172 028	109 327	57 944	1	1	2	2
First quarter payroll, all employees	250 697	168 293	(NA)	(NA)	1	1	(NA)	(NA)
Employer costs for fringe benefits	187 493	129 575	(NA)	(NA)	1	1	(NA)	(NA)
Legally required expenditures	141 148	90 427	(NA)	(NA)	1	1	(NA)	(NA)
Voluntary expenditures	46 344	39 149	(NA)	(NA)	1	1	(NA)	(NA)
All business receipts	5 272 053	3 707 520	2 848 488	1 680 295	1	1	2	1
Total construction receipts	5 110 219	3 548 969	2 728 776	1 637 668	1	1	2	1
Receipts for work subcontracted in from others	1 131 831	842 790	465 063	302 220	2	1	2	3
Land receipts ¹	26 581	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
Other business receipts	135 252	158 551	119 712	42 743	2	6	5	6
Net construction receipts†	3 713 067	2 717 044	1 967 314	1 223 057	1	1	2	1
Value added††	2 113 330	1 466 511	1 125 402	665 511	1	1	2	2
Selected payments	3 132 141	2 173 539	1 681 305	999 006	1	1	2	2
Materials, components, and supplies ²	1 629 017	1 270 857	919 843	584 143	1	1	2	2
Construction work subcontracted to others	1 397 152	831 925	761 462	414 676	1	1	2	2
Selected power, fuels, and lubricants	105 971	70 757	(NA)	(NA)	2	1	(NA)	(NA)
Electricity	14 094	8 261	(NA)	(NA)	2	2	(NA)	(NA)
Natural gas	4 970	3 380	(NA)	(NA)	2	4	(NA)	(NA)
Gasoline and diesel fuel (including gasohol)	79 140	51 194	(NA)	(NA)	2	1	(NA)	(NA)
Other, including lubricating oils and greases	7 765	7 922	(NA)	(NA)	2	3	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³	1 543	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures	63 251	45 192	(NA)	(NA)	1	1	(NA)	(NA)
For machinery and equipment	50 474	38 538	28 883	16 988	2	2	4	2
For structures	12 776	6 654	(NA)	(NA)	2	2	(NA)	(NA)
Selected purchased services	95 787	80 754	(NA)	(NA)	1	3	(NA)	(NA)
Communication services	21 320	16 416	(NA)	(NA)	2	6	(NA)	(NA)
Repairs to structures and related facilities	3 513	2 838	(NA)	(NA)	4	5	(NA)	(NA)
Repairs to machinery and equipment	70 953	61 499	(NA)	(NA)	1	2	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts	5 110 219	3 548 969	2 728 776	1 637 668	1	1	2	1
Government owned	1 351 559	865 415	929 078	606 472	2	1	2	2
Privately owned	3 758 660	2 683 555	1 799 698	1 031 196	1	1	2	2

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 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	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets	940 061	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land	86 599	116 560	78 624	38 053	2	3	4	5
New	56 862	90 380	65 654	29 456	2	4	4	4
Used	29 737	26 180	12 970	8 597	3	4	4	14
Retirements and disposition of depreciable assets	50 803	(NA)	(NA)	(NA)	9	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	975 857	704 320	480 839	(NA)	1	1	3	(NA)
Depreciation charges during year	116 908	73 552	50 403	(NA)	2	1	3	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets	149 799	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Capital expenditures, other than land	12 194	23 683	13 988	4 229	8	12	5	15
New structures and related facilities	6 666	19 925	9 144	2 657	8	14	5	9
Used structures and related facilities	5 528	3 758	4 844	1 572	16	10	6	22
Retirements and disposition of depreciable assets	11 791	(NA)	(NA)	(NA)	38	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	150 202	142 379	98 047	(NA)	3	4	6	(NA)
Depreciation charges during year	13 580	7 192	5 062	(NA)	4	5	9	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets	790 262	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land	74 405	92 877	64 636	33 824	2	3	4	9
New machinery and equipment, including automobiles and trucks	50 196	70 455	56 510	26 799	3	2	4	5
New automobiles and trucks, intended primarily for highway use	18 752	24 631	(NA)	(NA)	3	3	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks	24 209	22 422	8 126	7 025	2	4	5	14
Retirements and disposition of depreciable assets	39 011	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	825 655	561 941	382 792	(NA)	2	1	3	(NA)
Depreciation charges during year	103 327	66 360	45 341	(NA)	2	1	3	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

[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	7 558	2
Total construction receipts	5 110 219	1
Establishments with inventories:		
Number	2 338	6
Total construction receipts	2 171 464	1
Inventories¹:		
End of 1982, total	149 789	4
Value for establishments with LIFO reserve	2 870	11
Amount of LIFO reserve	882	16
Value for establishments with no LIFO reserve	146 919	4
End of 1981, total	102 966	3
Value for establishments with LIFO reserve	2 942	11
Amount of LIFO reserve	957	15
Value for establishments with no LIFO reserve	100 024	3
Establishments with no inventories:		
Number	5 220	2
Total construction receipts	2 938 755	1

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

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

[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
1982										
Number of establishments	7 558	4 423	1 429	927	543	153	70	9	4	-
All employees**	73 506	9 005	9 532	12 351	16 348	10 384	10 312	3 038	2 535	-
Payroll, all employees	1 098 325	79 717	108 394	162 593	268 413	189 341	185 251	51 752	52 863	-
Construction worker hours (thousands)	102 070	11 114	11 626	15 337	22 607	15 993	16 807	4 274	4 309	-
All business receipts	5 272 053	489 023	497 052	667 062	1 139 830	<u>1 763 159</u>	(D)	715 925	(D)	-
Total construction receipts	5 110 219	472 768	478 290	652 741	1 104 478	802 292	896 951	292 006	410 693	-
Net construction receipts†	3 713 067	402 908	387 848	525 030	825 805	561 490	611 081	398 904	(D)	-
Value added††	2 113 330	229 887	216 736	303 246	466 045	326 854	333 920	99 589	137 051	-
Payments for materials, components, supplies, and fuels	1 734 988	182 535	182 925	233 425	389 573	268 063	302 975	67 579	107 911	-
Payments for construction work subcontracted to others	1 397 152	69 860	90 441	127 711	278 672	240 802	285 870	303 795	(D)	-
Rental payments for machinery, equipment, and structures	63 251	3 360	5 672	5 863	13 416	11 202	10 052	5 196	8 489	-
Capital expenditures, other than land	86 599	7 148	9 502	11 503	18 048	11 162	19 949	9 285	(D)	-
End-of-year gross book value of depreciable assets	975 857	108 835	113 723	125 922	193 306	124 262	186 649	<u>123 158</u>	(D)	-
1977										
All employees**	85 239	11 598	13 315	14 325	17 996	10 727	7 578	9 701	(D)	-
Total construction receipts	3 548 969	401 767	472 005	547 610	773 202	505 614	354 815	<u>493 956</u>	(D)	-
Value added††	1 466 511	162 192	191 187	242 347	324 374	215 785	151 639	<u>178 988</u>	(D)	-
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	3	5	4	2	(W)	(W)	(W)	(W)	-
Net construction receipts†	1	4	4	4	1	(W)	(W)	(W)	(W)	-
Capital expenditures, other than land	2	13	11	12	2	(W)	(W)	(W)	(W)	-

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

[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 all business receipts of—									
		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
1982											
Number of establishments	7 558	1 120	884	1 158	1 745	1 002	767	519	200	93	68
All employees**	73 506	1 373	1 776	3 322	7 768	7 537	9 732	13 329	9 318	7 269	12 080
Payroll, all employees	1 098 325	3 994	9 515	21 884	71 478	88 494	140 146	214 251	166 030	144 018	238 514
Construction worker hours (thousands)	102 070	1 164	1 737	3 431	9 101	9 543	13 032	18 599	14 196	11 244	20 017
All business receipts	5 272 053	13 254	31 823	84 153	283 209	349 887	535 172	818 132	708 094	<u>2 448 325</u>	(D)
Total construction receipts	5 110 219	12 912	31 367	82 367	277 217	338 254	515 416	798 438	687 273	623 591	1 743 382
Net construction receipts†	3 713 067	11 574	28 345	74 721	249 829	292 286	429 616	643 037	534 003	444 130	1 005 525
Value added††	2 113 330	7 118	17 680	44 822	140 706	165 257	242 246	367 887	304 903	263 191	559 517
Payments for materials, components, supplies, and fuels	1 734 988	4 630	10 871	30 734	112 907	134 832	200 244	289 979	248 016	197 177	505 596
Payments for construction work subcontracted to others	1 397 152	1 337	3 022	7 646	27 388	45 968	85 799	155 401	153 270	179 461	737 857
Rental payments for machinery, equipment, and structures	63 251	172	268	979	2 896	3 881	5 295	9 406	11 214	7 412	21 725
Capital expenditures, other than land	86 599	108	333	1 369	5 297	7 293	8 696	14 994	14 532	11 489	22 486
End-of-year gross book value of depreciable assets	975 857	5 284	9 139	22 422	73 113	87 337	108 491	167 459	135 366	95 995	271 249
1977											
All employees**	85 239	2 413	3 992	6 221	10 558	10 738	10 934	15 157	8 993	116 232	(NA)
Total construction receipts	3 548 969	19 472	61 960	120 253	307 819	375 274	452 988	718 126	475 603	1 017 475	(NA)
Value added††	1 466 511	11 421	35 223	57 828	135 889	167 751	201 837	305 447	197 183	353 933	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	1	6	8	7	6	6	5	2	(W)	(W)	(W)
Net construction receipts†	1	6	6	6	4	5	4	3	(W)	(W)	(W)
Capital expenditures, other than land	2	29	28	19	15	14	11	6	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

†Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[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	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair	A	B	C
	A	B	C	A	B	C
1982						
Total construction receipts†	5 110 219	4 310 509	799 710	1	1	2
Building construction	3 565 899	3 049 345	516 554	1	1	2
Single-family houses	680 291	540 297	139 994	3	3	5
Single-family houses, detached	604 048	475 197	128 851	3	4	4
Single-family houses, attached	76 243	65 099	11 143	8	8	16
Apartment buildings with two or more apartments	251 389	231 102	20 286	3	3	5
Other residential buildings	168 688	154 885	13 802	3	2	7
Office and bank buildings	561 394	497 913	63 481	1	1	4
Office buildings	501 692	451 791	49 901	1	1	4
Bank buildings and other financial institutions	59 701	46 122	13 579	4	4	4
Industrial buildings and warehouses	737 899	589 924	147 974	1	2	2
Industrial buildings	603 261	474 685	128 576	1	2	2
Warehouses	134 637	115 239	19 397	3	4	5
Stores, restaurants, public garages, and automobile service stations	340 890	287 753	53 137	3	3	6
Religious buildings	44 102	33 896	10 205	3	4	3
Educational buildings	183 787	162 647	21 140	2	3	7
Hospitals and institutional buildings	487 419	453 567	33 852	1	1	3
Amusement, social, and recreational buildings	73 610	69 254	4 355	4	4	19
Other nonresidential buildings	36 424	28 101	8 323	8	10	7
Nonbuilding construction	1 155 464	953 258	202 206	1	1	3
Highways, streets, and related facilities	417 034	305 809	111 225	2	2	5
Bridges, tunnels, and elevated highways	138 135	127 227	10 907	2	2	1
Marine construction	40 423	30 209	10 213	2	1	6
Conservation and development construction	21 446	17 989	*3 456	9	6	50
Power and communication transmission lines, towers, and related facilities	64 950	48 777	16 172	3	5	2
Sewers, water mains, and related facilities	191 891	173 285	18 606	3	3	14
Sewers, sewer lines, and related facilities	119 547	109 848	9 698	4	3	25
Water mains and related facilities	72 344	63 436	8 907	6	5	9
Pipeline, other than sewer or water lines	14 453	9 015	5 438	2	2	5
Sewage treatment and water treatment plants	80 418	76 911	3 506	2	2	5
Heavy industrial facilities	62 946	51 919	11 026	2	1	7
Other nonbuilding construction	123 760	112 108	11 646	9	7	36
Construction work, n.s.k.	388 855	307 905	80 949	4	3	4
1977						
Total construction receipts†	3 548 969	3 025 268	523 701	1	1	1
Building construction	2 426 519	2 070 268	356 251	1	1	2
Single-family houses	782 701	674 704	107 997	4	4	4
Apartment buildings with two or more apartments	101 376	84 665	16 711	5	6	5
Other residential buildings	54 711	47 186	7 525	3	3	7
Office and bank buildings	195 637	169 120	26 517	2	2	3
Industrial buildings and warehouses	549 097	454 095	95 002	1	1	2
Stores, restaurants, public garages, and automobile service stations	192 202	161 468	30 734	2	3	5
Religious buildings	50 568	42 792	7 776	2	2	4
Educational buildings	197 975	183 885	14 090	2	2	2
Hospitals and institutional buildings	245 663	203 842	41 821	1	1	5
Other nonresidential buildings	56 589	48 514	8 075	5	5	7
Nonbuilding construction	877 639	743 099	134 540	1	1	1
Highways, streets, and related facilities	378 045	301 306	76 739	1	2	1
Bridges, tunnels, and elevated highways	80 035	75 775	4 260	1	1	3
Power and communication transmission lines, towers, and related facilities	83 827	73 641	10 186	2	2	4
Sewers, water mains, and related facilities	120 730	113 970	6 760	4	4	9
Pipeline, other than sewer or water lines	33 352	32 912	440	1	1	2
Sewage treatment and water treatment plants	51 143	47 546	3 597	2	2	2
Heavy industrial facilities	32 415	19 868	12 547	2	(W)	5
Other nonbuilding construction	98 092	78 081	20 011	3	4	4
Construction work, n.s.k.	244 851	211 711	33 140	4	3	5

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

[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 worker hours (thousands)	January to March		April to June	
					Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and subdividers and developers-----	7 558	61 360	102 070	57 969	23 366	61 307	26 181
15,16,17	Construction industries:							
15	General building contractors and operative builders:							
152	General contractors, residential buildings:							
1521	Single-family houses-----	1 180	4 093	6 240	3 682	1 408	3 975	1 566
1522	Other residential buildings-----	104	1 183	2 127	1 232	495	1 185	556
1531	Operative builders-----	310	1 248	1 918	1 157	455	1 226	495
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses-----	138	3 009	4 977	2 912	1 210	3 210	1 322
1542	Nonresidential buildings, n.e.c.-----	349	8 293	11 211	6 363	2 704	6 194	2 830
16	Heavy construction general contractors:							
1611	Highway and street construction-----	225	3 872	7 360	2 863	1 210	3 974	1 976
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction-----	27	1 046	2 030	877	379	1 024	521
1623	Water, sewer, and utility lines-----	172	2 935	5 702	2 994	1 367	3 063	1 531
1629	Heavy construction, n.e.c.-----	134	2 234	3 958	2 055	934	2 228	1 005
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning-----	978	6 739	11 576	6 726	2 876	6 708	2 914
1721	Painting, paper hanging, and decorating-----	323	1 927	2 592	1 706	541	2 050	697
1731	Electrical work-----	547	6 157	10 562	6 214	2 567	6 149	2 682
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework-----	437	2 494	3 076	2 556	806	2 413	748
1742	Plastering, drywall, and insulation work-----	334	3 202	5 147	3 275	1 275	3 001	1 262
1743	Terrazzo, tile, marble, and mosaic work-----	55	366	517	366	124	387	136
175	Carpentering and flooring:							
1751	Carpentering-----	425	1 597	2 319	1 519	565	1 629	605
1752	Floor laying and other floorwork-----	96	291	468	341	131	271	115
1761	Roofing and sheet metal work-----	398	3 212	4 628	2 960	1 049	3 202	1 152
1771	Concrete work-----	232	1 822	2 972	1 401	557	1 798	761
1781	Water well drilling-----	51	180	341	165	81	178	91
179	Miscellaneous special trade contractors:							
1791	Structural steel erection-----	88	1 194	1 699	1 291	443	1 104	409
1793	Glass and glazing work-----	61	440	722	431	171	464	183
1794	Excavating and foundation work-----	343	2 998	5 303	2 304	960	3 060	1 411
1795	Wrecking and demolition work-----	11	131	120	(D)	25	77	18
1796	Installing building equipment, n.e.c.-----	70	977	1 774	969	431	900	405
1799	Special trade contractors, n.a.c.-----	365	1 516	2 358	1 331	516	1 619	672
8552	Subdividers and developers, n.e.c.-----	99	(S)	(S)	(S)	(S)	(S)	(S)

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)	B	C	D	E	F	G	H	I	J	K	
H	I	J	K											
63 339	27 416	59 892	25 086	1	1	1	1	1	1	1	1	1	1	15,16,17
														15
4 471 1 126	1 742 524	3 849 1 157	1 522 551	5 6	6 5	5 6	7 6	6 6	7 5	6 7	8 6	6 6	7 6	152 1521 1522
1 254	491	1 260	474	9	8	10	10	8	9	9	10	11	10	1531
3 006 6 378	1 316 2 919	2 860 6 135	1 127 2 757	3 2	3 2	3 3	3 2	5 3	4 3	3 2	4 2	3 2	3 2	154 1541 1542
														16
4 435	2 230	4 131	1 942	3	3	3	3	3	3	3	3	3	3	1611
														162
1 144 3 043 2 280	588 1 549 1 025	1 129 2 555 2 301	540 1 253 992	3 3 2	1 3 2	2 3 2	1 3 3	4 3 2	2 3 3	3 3 2	1 3 3	4 3 2	1 4 3	1622 1623 1629
														17
6 740	2 934	6 444	2 851	3	3	4	4	3	4	3	3	3	3	1711
1 923	692	1 873	660	9	8	10	10	11	9	9	9	10	10	1721
6 211	2 741	5 862	2 570	2	2	2	2	2	2	2	3	2	3	1731
														174
2 413 3 117 373	798 1 285 137	2 393 3 280 318	723 1 324 118	7 5 20	6 4 17	9 5 20	8 5 21	9 5 20	8 5 20	8 5 21	9 5 22	8 6 22	9 5 20	1741 1742 1743
														175
1 538 285	573 120	1 538 246	575 99	10 13	11 14	11 22	13 27	11 12	12 19	11 13	13 19	12 15	13 22	1751 1752
3 281	1 247	3 216	1 179	5	5	5	6	6	6	6	6	6	6	1761
2 329	978	1 614	675	7	6	9	9	7	7	7	7	9	8	1771
169	87	166	81	21	22	21	25	20	25	20	26	22	27	1781
														179
1 208 439	447 195	1 172 422	399 172	4 11	4 11	4 12	4 13	5 14	5 14	5 11	5 12	5 10	6 14	1791 1793
3 283 (D)	1 579 36	3 196 184	1 352 40	5 (W)	4 (W)	6 -	6 (W)	5 (W)	5 (W)	4 -	4 (W)	5 (W)	5 (W)	1794 1795
957 1 543	442 841	1 046 1 368	495 527	3 6	3 6	3 6	4 10	4 8	4 10	3 6	3 8	4 8	4 8	1796 1799
(S)	(S)	(S)	(S)	-	-	-	-	-	-	-	-	-	-	6552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

[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)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	Construction Industries and subdividers and developers -----	9.7	14.9	1.7	83.3	.215	.340	.273	.017	.012
15,16,17	Construction Industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses -----	4.0	10.0	1.5	77.3	.150	.345	.225	.014	.005
1522	Other residential buildings -----	14.2	14.3	1.8	134.2	.133	.325	.485	.007	.012
1531	Operative builders -----	6.3	13.0	1.5	128.0	.159	.344	.351	.011	.005
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses -----	26.2	16.2	1.7	108.9	.179	.248	.460	.006	.011
1542	Nonresidential buildings, n.e.c. -----	22.5	17.3	1.8	186.4	.116	.200	.615	.007	.009
16	Heavy construction general contractors:									
1611	Highway and street construction -----	19.8	14.5	1.9	88.9	.188	.464	.194	.035	.019
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction -----	44.9	17.2	1.9	98.5	.203	.464	.133	.035	.009
1623	Water, sewer, and utility lines -----	20.0	13.9	1.9	65.3	.250	.348	.156	.030	.026
1629	Heavy construction, n.e.c. -----	19.2	17.9	1.8	95.4	.217	.303	.219	.018	.015
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning -----	8.6	16.0	1.7	72.1	.275	.450	.104	.015	.009
1721	Painting, paper hanging, and decorating -----	6.5	11.7	1.3	31.7	.405	.278	.048	.018	.012
1731	Electrical work -----	13.6	19.4	1.7	71.8	.326	.464	.021	.014	.007
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework -----	6.1	11.1	1.2	30.8	.382	.288	.021	.019	.006
1742	Plastering, drywall, and insulation work -----	11.1	15.2	1.6	52.9	.332	.389	.045	.014	.008
1743	Terrazzo, tile, marble, and mosaic work -----	8.2	11.6	1.4	46.2	.308	.469	.028	.019	.007
175	Carpentering and flooring:									
1751	Carpentering -----	4.0	8.9	1.5	33.4	.281	.393	.095	.014	.007
1752	Floor laying and other floorwork -----	4.0	11.5	1.6	61.4	.244	.444	.061	.015	.012
1761	Roofing and sheet metal work -----	9.3	13.6	1.4	49.6	.316	.445	.035	.020	.010
1771	Concrete work -----	8.8	12.7	1.6	66.1	.215	.454	.150	.021	.008
1781	Water well drilling -----	4.6	13.7	1.9	76.2	.234	.452	.017	.066	.010
179	Miscellaneous special trade contractors:									
1791	Structural steel erection -----	15.6	16.2	1.4	53.9	.346	.309	.084	.018	.024
1793	Glass and glazing work -----	12.0	16.9	1.6	93.7	.299	.731	.016	.007	.010
1794	Excavating and foundation work -----	10.1	13.9	1.8	73.7	.220	.219	.184	.062	.054
1795	Wrecking and demolition work -----	(D)	(D)	.9	(D)	(D)	.076	.190	.022	.020
1796	Installing building equipment, n.e.c. -----	17.4	20.8	1.8	78.3	.331	.338	.039	.014	.011
1799	Special trade contractors, n.e.c. -----	5.1	11.2	1.6	54.6	.252	.461	.069	.016	.014
6552	Subdividers and developers, n.e.c. -----	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

(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. For definitions of SMSA's, see appendix D)

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
	MEMPHIS, TENN.-ARK.-MISS., SMSA											
	Construction industries and subdividers and developers	1 662	17 376	274 725	1 154 263	887 416	528 726	392 809	266 848	18 246	2	2
15,16, 17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	164	979	10 880	109 365	91 435	57 872	35 658	17 930	938	10	5
1522	Other residential buildings	27	255	4 318	38 348	23 306	13 634	10 002	15 042	111	2	(W)
1531	Operative builders	102	538	6 379	45 695	29 385	*8 353	21 257	16 310	*389	19	24
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	34	(S)	(S)	(S)	(S)	(D)	(S)	(S)	(D)	-	-
1542	Nonresidential buildings, n.e.c.	68	1 765	28 709	191 931	84 481	48 899	36 112	107 450	1 038	4	3
16	Heavy construction general contractors:											
1611	Highway and street construction	43	915	12 490	60 813	50 041	20 801	(D)	10 772	3 966	11	6
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	4	70	1 156	5 644	3 745	1 738	(D)	1 899	(D)	(W)	(W)
1623	Water, sewer, and utility lines	36	833	10 587	38 482	32 104	21 705	10 654	6 378	1 517	8	5
1629	Heavy construction, n.e.c.	25	655	12 340	48 402	38 387	24 550	15 176	10 015	1 175	3	4
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	237	1 933	36 200	123 088	111 003	61 962	51 892	12 085	1 630	7	6
1721	Painting, paper hanging, and decorating	107	706	8 740	21 904	19 619	14 473	5 173	2 285	504	14	10
1731	Electrical work	143	1 659	36 877	92 309	90 320	54 712	40 560	1 989	960	6	5
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	71	490	7 080	17 215	16 793	10 962	5 899	423	431	14	12
1742	Plastering, drywall, and insulation work	86	1 036	17 631	57 215	53 210	34 297	20 822	4 005	613	8	8
1743	Terrazzo, tile, marble, and mosaic work	21	173	2 518	8 390	8 240	4 562	3 783	150	287	18	24
175	Carpentering and flooring:											
1751	Carpentering	101	488	4 436	15 295	13 961	7 466	6 535	1 334	*453	20	23
1752	Floor laying and other floorwork	40	169	1 852	8 274	7 646	4 161	3 587	628	115	18	18
1761	Roofing and sheet metal work	66	708	11 538	38 392	35 999	23 441	(D)	2 393	428	8	6
1771	Concrete work	63	348	2 982	9 027	8 505	5 198	3 349	522	119	26	20
1781	Water well drilling	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	19	284	5 081	10 828	10 058	8 384	(D)	770	279	9	7
1793	Glass and glazing work	14	(S)	(S)	(S)	(D)	(S)	(S)	(D)	(S)	-	-
1794	Excavating and foundation work	60	1 000	12 832	45 152	39 127	28 936	(D)	6 026	1 474	8	6
1795	Wrecking and demolition work	4	(D)	(D)	496	418	427	(D)	78	(D)	-	(W)
1796	Installing building equipment, n.e.c.	19	343	7 458	23 247	22 592	14 919	7 701	655	465	6	4
1799	Special trade contractors, n.e.c.	88	624	7 355	31 989	29 111	15 578	15 044	2 878	414	12	15
6552	Subdividers and developers, n.e.c.	23	153	1 645	4 069	3 253	2 697	704	816	103	13	19
	NASHVILLE-DAVIDSON SMSA											
	Construction industries and subdividers and developers	1 534	19 480	309 637	1 616 220	1 089 929	589 982	543 369	526 291	23 845	2	1
15,16, 17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	206	870	9 363	59 684	43 639	23 888	19 960	16 046	402	11	14
1522	Other residential buildings	18	326	4 955	45 564	(D)	3 179	(D)	(D)	28	8	-
1531	Operative builders	56	332	4 672	28 136	16 944	(D)	12 103	11 192	297	13	10
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	20	380	6 400	34 287	17 271	8 324	(D)	17 016	141	6	3
1542	Nonresidential buildings, n.e.c.	78	2 775	52 678	548 226	192 813	89 860	105 664	355 414	4 033	3	3

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—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. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
											A	B
NASHVILLE-DAVIDSON SMSA—Con.												
Construction Industries—Con.												
Heavy construction general contractors:												
1611	Highway and street construction -----	55	1 856	26 850	160 544	125 695	56 412	(D)	34 849	4 677	3	1
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction.....	12	443	7 933	41 438	35 167	22 088	(D)	6 271	777	10	7
1623	Water, sewer, and utility lines -----	29	1 014	15 451	49 519	44 129	28 355	15 920	5 390	1 250	5	6
1629	Heavy construction, n.e.c. -----	16	337	4 449	25 440	13 934	6 342	(D)	11 506	(D)	4	3
Special trade contractors:												
1711	Plumbing, heating, and air conditioning -----	193	2 116	33 645	126 164	112 032	69 078	50 455	14 132	1 522	7	6
1721	Painting, paper hanging, and decorating -----	84	632	7 098	17 287	16 831	11 494	5 422	456	392	16	12
1731	Electrical work -----	131	2 548	50 618	195 218	191 911	89 442	103 778	3 305	1 334	4	2
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework -----	87	803	10 257	30 014	29 784	23 520	6 331	230	751	12	6
1742	Plastering, drywall, and insulation work -----	82	925	13 821	43 208	41 568	26 543	15 407	1 640	616	8	7
1743	Terrazzo, tile, marble, and mosaic work -----	18	*174	1 459	4 513	4 317	2 277	2 045	*196	*35	41	33
175	Carpentering and flooring:											
1751	Carpentering -----	73	303	2 932	8 545	7 866	3 983	3 901	679	*163	21	25
1752	Floor laying and other floorwork....	*20	105	1 096	4 999	4 642	2 328	2 361	357	(D)	30	30
1761	Roofing and sheet metal work -----	79	889	12 894	38 509	35 743	19 222	(D)	766	*749	11	9
1771	Concrete work -----	67	712	10 014	40 227	35 825	19 326	19 698	4 403	1 390	8	5
1781	Water well drilling -----	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
Miscellaneous special trade contractors:												
1791	Structural steel erection -----	30	547	9 260	34 024	30 156	34 228	(D)	3 868	774	5	7
1793	Glass and glazing work -----	10	(S)	(S)	(S)	(S)	(S)	(D)	(S)	(D)	-	-
1794	Excavating and foundation work....	58	517	6 655	28 105	24 913	16 427	8 802	3 192	2 636	15	18
1795	Wrecking and demolition work -----	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1796	Installing building equipment, n.e.c.	11	280	7 080	20 982	(D)	13 096	8 821	(D)	(D)	(W)	-
1799	Special trade contractors, n.e.c.	72	401	4 483	16 412	15 380	7 819	8 084	1 033	*322	18	13
6552	Subdividers and developers, n.e.c.	27	122	1 565	3 716	1 843	1 013	950	2 073	(D)	12	18

APPENDIX A.

Explanation of Terms

Construction—Is composed of three broad categories: (1) new construction, (2) additions and alterations, and (3) maintenance and repair. "New construction" includes the complete, original erection of structures and essential service facilities and the initial installation of integral equipment such as elevators and escalators. "Additions and alterations" includes construction activity making structural changes to existing facilities. "Maintenance and repair" includes the restoration of existing buildings or other structures or their service facilities, including the replacement of integral parts. Repainting, repapering, reroofing, etc., are also included.

Construction includes:

- special trade contracting such as electrical work, painting, and carpentering on mobile structures (trailers, mobile homes, and ships).
- support activities by construction contractors on mineral properties, except the following: sinking mine shafts; tunneling and shoring mines; erection, repairing and dismantling of drilling rigs; and building well foundations.
- the physical development of land for purposes other than agriculture.
- demolition of existing structures.

Construction does not include:

- shipbuilding.
- manufacturing of other mobile structures.

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.

Number of establishments in business at end of year—Includes all full-year or part-year establishments that were in business at the end of 1982.

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. The partnership factor was based on information received during a large-scale test conducted in prior years.

All employees—Comprised 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 excluded.

Total employment is calculated for each establishment and is derived by summing the construction workers data reported for March, May, August, and November, dividing by 4 and adding to it the number of other employees reported for March.

This approach was designed to simplify the questionnaire format and the reporting requirements of respondents. The industry average of these four selected pay periods approximates very closely the average employment for the year that would be obtained by using pay periods in all 12 months for almost all of the construction industries.

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 supervisor level are excluded from this category but are included in the "other employees" category.

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

Construction worker hours—Includes the total number of hours worked by construction workers. Construction worker hours were collected for each of the four quarters of 1982 and are published in the detailed statistics tables.

Payroll—Includes the gross earnings paid in the calendar year 1982 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 an unincorporated concern.

Payroll data were collected and tabulated for the employment categories described above and separately for the first quarter of 1982.

Payroll data for auxiliary establishments of multiestablishment companies are not included in these totals. Selected data for these types of establishments are found in the industry summary report and the 1982 Enterprise Statistics reports.

Employer costs for fringe benefits—Represents expenditures made by the employer during 1982 for legally required and voluntary fringe benefit programs for employees. These include employers' Social Security contributions, unemployment compensation, workers' compensation, State temporary disability payments, union negotiated benefits, life insurance premiums, pension plans, insurance premiums on hospital and medical plans, and welfare plans.

All business receipts—Includes all receipts from general contracting, special trade contracting or subcontracting, and land development and improvement work. It also includes all receipts from the sale of land (not recorded as fixed assets of the reporting establishments) and buildings built for sale. All other receipts from the reporting establishment's other business operations (rental of equipment to others, wholesale or retail sales, etc.) are also included.

Money obtained during the year in the form of construction loans is not treated as receipts, nor is money realized from the sale or other disposition of the establishment's fixed assets.

Also excluded are receipts from operations in foreign countries and nonoperating income such as interest and dividends.

All business receipts are broken down in the following detail:

Total construction receipts—Includes all receipts during 1982 for construction work performed by general contractors, special trades contractors or subcontractors, and for land development and improvement work. Included are receipts for maintenance and repair construction work, as well as for new construction and additions and alterations. Also included is the value of any construction work done by the reporting establishments for themselves.

Builders were instructed to include in this item their 1982 receipts from the sale of buildings and other structures built for sale, excluding from these receipts the value of the land (see "land receipts" below) but including the value of any improvements an establishment made to the land. Builders who traded a new home or other building for an existing one were to include the estimated value of the trade-in.

Also included in construction receipts were fees received as sponsors of joint ventures and fees received as agents for owners (for construction work).

Excluded were receipts for separately definable architectural and engineering work done by the reporting establishment for others and receipts from the rental of equipment to others (see "other business receipts" below).

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 for construction purposes were instructed to include as construction receipts both the receipts for the installation and the receipts for the value (selling price) of the items installed. (Receipts for the selling price of items sold but not installed were to be included in "other business receipts.")

Receipts for work subcontracted in from others—Covers receipts during 1982 for work done by reporting establishments for other construction contractors or builders. Establishments were asked to report the approximate percent of total construction receipts accounted for by such work, and the percentages reported were applied to the reported construction receipts to develop a value for this item.

Land receipts—Includes receipts from the sale of land, whether held for sale or sold in connection with the sale of houses and other structures. It excludes the value of any improvements made to the land prior to the sale. (That value was to be included in construction receipts.)

Other business receipts—Includes business receipts not reported as construction receipts or land receipts. 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.

Net construction receipts—Derived for each establishment by subtracting the payments made for construction work subcontracted to others from the total construction receipts. (For a further explanation, see "Duplication of Receipts" section in the Introduction.)

Value added—Derived for each establishment, value added is equal to all business receipts, less payments for construction work subcontracted to others and payments for materials, components, supplies, and fuels. For SIC 6552 and SIC 1531, for which land receipts are significant, value added is modified to be equal to all business receipts less land receipts; payments for construction work subcontracted to others; and payments for materials, components, supplies, and fuels. (For a further explanation, see "Duplication of Receipts" section in the Introduction.)

Selected payments—Represents the total of payments for materials, components, and supplies; payments for construction work subcontracted to others; and payments for selected power, fuels, and lubricants. Capital expenditures and rental payments for machinery, equipment, and structures are shown elsewhere.

Payments for materials, components, and supplies include:

- total payments made by the reporting establishments during 1982 for the purchase of all materials, components, and supplies, except fuels, used for construction. (Supplies include expendable tools charged to current accounts.)
- freight and other direct charges incurred by the reporting establishment in acquiring the materials, components, and supplies are also included, as are the value of materials, components, and supplies obtained from other establishments of the respondent's company. Payments represent the amount paid after discounts.
- payments for materials, components, and supplies used by the reporting establishments in the construction of new plants or equipment for themselves, which are chargeable to their fixed assets accounts, are included in this item as are payments for materials bought and resold to others.
- payments made for direct purchases of materials, components, and supplies even though the purchases were subsequently provided to subcontractors for their use.

Payments for materials, components, and supplies include only payments for physical goods and represent the amount paid after discounts.

Excluded from this item are:

- services such as advertising, telephone, telegraph and cable, insurance, developmental and research services of engineering, management, marketing, and other professional consultants, unless their costs are included in the prices paid for materials.
- overhead items such as depreciation charges against plant and equipment, rent and rental allowances, interest payments, royalties, patent fees, payments for land, rental of construction machinery or equipment, and construction work let out to other construction contractors.
- materials furnished to contractors by the owners of projects.

Payments for construction work subcontracted to others include:

- all payments made during 1982 for construction work subcontracted out to other construction contractors. General contractors were instructed to include payments to subcontractors. Builders were instructed to include payments made to general contractors and also payments made directly to subcontractors.
- special trade contractors were instructed to include payments made to other subcontractors. The payments made by the reporting establishment for its purchases of materials, components, and supplies are not included here, even if they were provided to a subcontractor for his use. Such purchases are reported under a separate category, "payments for materials, components, and supplies." However, if payments to subcontractors covered materials purchased directly by the subcontractors, then the total of such payments (including material charges) should have been reported in this item.

Excluded from this item are:

- payments made for the rental of construction machinery or equipment.

Payments for selected power, fuels, and lubricants include:

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

Dollar amounts include freight and other direct charges.

Storage capacity for fuels—Data for storage capacity for fuels were collected from heavy construction contractors, other than building construction contractors. Data are published in the detailed statistics tables for the heavy construction industries, i.e., SIC 1611, SIC 1622, SIC 1623, and SIC 1629.

Rental payments for machinery, equipment, and structures—Includes all payments made during 1982 for renting or leasing construction machinery and equipment, transportation equipment, production equipment, office equipment, furniture and fixtures, scaffolding, office space, and buildings. It excludes payments for the rental of land. It also excludes payments made under agreements which, in effect, are conditional sales contracts and which, as a result, are capitalized. Such payments are included in "capital expenditures." It also excludes payments made under agreements which, in effect, are true subcontract construction arrangements; such payments are included in payments for "construction work subcontracted to others."

Selected purchased services—Includes all payments made during 1982 for communication services purchased from other companies or from other establishments of the parent company. It also includes the cost of all repairs made to structures and equipment by outside firms, or from other establishments of the parent companies. It includes only the cost of that repair necessary to maintain property and equipment. It excludes the cost of improvements that increases the value of property, or the cost of adapting it for another use.

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

Data on fixed assets and depreciation were collected separately for: (1) structures, additions, and related facilities; (2) machinery and equipment; and (3) the total of both.

Respondents were asked to report the gross book value-acquisition cost (original cost or other basis) at the beginning and at the end of 1982. They were also asked to report capitalized expenditures, depreciation charges, and the gross value of assets sold, retired, scrapped, destroyed, etc., during 1982.

Capital expenditures—Refers to all costs actually incurred during 1982 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. Included are payments made under agreements which, in effect, are conditional sales contracts and which, as a result, are capitalized.

Respondents were instructed not to include any expenditures actually made prior to, or after 1982. For example, if they began construction of a building for an establishment's own use before 1982 and did not complete it until after 1982, they were to report only those costs actually incurred during 1982.

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.

- **New structures and related facilities**—Includes the total expenditures during 1982 for new buildings and structures, major additions and alterations to buildings and structures, and other facilities for the reporting establishment's use (such as roads, docks, tracks, parking lots, and fences). It excludes expenditures for land.
- **New machinery and equipment**—Includes expenditures for new machinery and new equipment. This item also includes capitalized repairs and improvements to used machinery and equipment.
- **New automobiles and trucks intended primarily for highway use**—Includes expenditures for new automobiles and trucks and capitalized repairs and improvements to used automobiles and trucks.
- **Used structures and related facilities**—Covers expenditures for used structures and related facilities acquired from others.
- **Used machinery and equipment**—Includes expenditures for used machinery and equipment acquired from others, including automobiles and trucks. Capitalized repairs and improvements to such equipment are reported as new machinery and equipment.

Value of inventories—Includes all of the materials and supplies that are owned and located within the United States. Excludes materials which are owned by others, but held by the reporting establishment.

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.

Establishments building structures on their own land for sale (operative builders) were instructed to include the value of materials on hand at the end of the year but not to include the structures not yet sold or under construction.

Land subdividers and developers were instructed to include the value of materials on hand at the end of the year, but not include land not yet sold or under construction.

Ownership of construction projects—This item shows the distribution of construction receipts by ownership of the project—Government owned or privately owned. This classification relates to the ownership of the projects or work undertaken and not to the financing. Government owned projects cover those owned by the Federal, Commonwealth, or local governments including public authorities and special districts.

Types of construction—This item provides data by the types of buildings, structures, or other facilities being constructed or worked on by construction establishments in 1982. 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. However, complex projects consisting of two or more types of buildings, structures, or other facilities are difficult to classify because sufficient information is seldom available. Therefore, respondents were told to classify complex projects by the major function of the total complex.

In addition, heavy construction contractors and special trade contractors were requested to report the percentage of construction receipts derived from new construction work, including additions and alterations, and from maintenance and repair work for each of these types. General building contractors were requested to report the percentage of construction receipts derived from new construction work, from additions and alterations, and from maintenance and repair work for each of these types. See the definition of "Construction" for the meanings of new construction, additions and alterations, and maintenance and repair.

Building construction:

- **Single-family houses, detached**—Includes all residential buildings constructed for one family use.
- **Single-family houses, attached (includes townhouses)**—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 apartments**—Includes high-rise, low-rise, or any structures other than containing two or more housing units.
- **Other residential buildings**—Includes hotels, motels, dormitories, and other nonhousekeeping residential structures.
- **Bank buildings and other financial institutions**—Includes all buildings which are used primarily to house banks or other financial institutions.
- **Warehouses**—Includes commercial warehouses, cold storage plants, grain elevators, miniwarehouses, and other storage buildings.
- **Farm buildings, nonresidential**—Includes nonresidential farm buildings such as barns, poultry houses, implement sheds, and farm silos.
- **Industrial buildings**—Includes all industrial buildings and plants which are used to house production and assembly activities. Note that heavy industrial facilities such as blast furnaces, petroleum refineries, chemical complexes, etc., are NOT included in this category, but are shown under nonbuilding construction.
- **Office buildings**—Includes all buildings which are used primarily for office space or for government administrative offices.
- **Other commercial buildings such as stores, restaurants, and automobile service stations**—Includes all buildings which are intended for use primarily in the wholesale, retail, and service trades. For example, complete shopping centers, department stores, drug stores, restaurants, public garages, and auto service stations.
- **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 establishment, are also included.
- **Hospitals and institutional buildings**—Includes all buildings which are intended to provide hospital and institutional care, such as clinics, infirmaries, sanitariums, nursing homes, homes for the aged, and orphanages.
- **Amusement, social, and recreational buildings**—Includes buildings which are used primarily for entertainment, social, and recreational activities, such as sports arenas, theaters, music halls, golf and country club buildings, skating rinks, bowling alleys, and indoor swimming pools.
- **Other nonresidential buildings**—Includes buildings which are not classified elsewhere, such as fire stations, bus and air passenger terminals, hangars, etc.

Nonbuilding construction:

- **Outdoor swimming pools**—Includes wading pools and reflecting pools.
- **Elevated highways**—Includes roads, highways, and causeways built on structural supports.
- **Bridges**—Includes viaducts, trestles, and overpasses.
- **Tunnels**—Includes highway, pedestrian, and railway tunnels, etc.
- **Railroad construction**—Includes the construction of railroad beds, tracks, freight yards, and signal towers.
- **Subway construction**—Includes urban mass transit subway systems above or below ground.
- **Dam and reservoir construction**—Includes hydroelectric, water supply, and flood control dams and reservoirs.

- **Marine construction**—Includes dredging, underwater rock removal, breakwaters, navigational channels, jetties, and locks.
- **Harbor and port facilities**—Includes docks, piers, and wharves.
- **Conservation and development construction**—Includes land reclamation, irrigation projects, drainage canals, dikes, and levees.
- **Power and communication transmission lines, towers, and related facilities**—Includes telephone and telegraph lines, television and radio towers, electric light and power facilities.
- **Power plants, except nuclear**—Includes electric and steam generating plants.
- **Power plants, nuclear**—Includes atomic energy plants and nuclear reactors.
- **Sewers, sewerlines, and related facilities**—Includes sanitary and storm sewers and related facilities.
- **Sewage treatment plants**—Includes sewage treatment and waste disposal plants.
- **Water mains and related facilities**—Includes water supply systems and related facilities.
- **Water treatment plants**—Includes water filtration and water softening plants.
- **Pipeline construction other than sewer or waterlines**—Includes pipelines for the transmission of gas, petroleum products, and liquefied gases.
- **Blast furnaces, petroleum refineries, chemical complexes, etc.**—Includes coke ovens, and mining appurtenances such as tipples and washeries.
- **Other nonbuilding construction**—Includes all types of nonbuilding construction, not included elsewhere.

Location of construction work—This item includes data for each State in which respondents engaged in construction work and the extent (percent of construction receipts) of that work.

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APPENDIX B. Standard Industrial Classification Titles for Industry Groups and Industries

SIC code	Industry titles	SIC code	Industry titles
15	BUILDING CONSTRUCTION—GENERAL CONTRACTORS AND OPERATIVE BUILDERS	17	CONSTRUCTION—SPECIAL TRADE CONTRACTORS—Con.
152	General Building Contractors—Residential Buildings	173	Electrical Work Special Trade Contractors
1521	General Contractors—Single-Family Houses	1731	Electrical Work Special Trade Contractors
1522	General Contractors—Residential Buildings, Other Than Single-Family Houses	174	Masonry, Stonework, Tile Setting, and Plastering Special Trade Contractors
153	Operative Builders	1741	Masonry, Stone Setting, and Other Stonework Special Trade Contractors
1531	Operative Builders	1742	Plastering, Drywall, Acoustical and Insulation Work Special Trade Contractors
154	General Building Contractors—Nonresidential Buildings	1743	Terrazzo, Tile, Marble, and Mosaic Work Special Trade Contractors
1541	General Contractors—Industrial Buildings and Warehouses	175	Carpentering and Flooring Special Trade Contractors
1542	General Contractors—Nonresidential Buildings, Other Than Industrial Buildings and Warehouses	1751	Carpentering Special Trade Contractors
16	CONSTRUCTION OTHER THAN BUILDING CONSTRUCTION—GENERAL CONTRACTORS	1752	Floor Laying and Other Floorwork Special Trade Contractors, N.E.C.
161	Highway and Street Construction, Except Elevated Highways	176	Roofing and Sheet Metal Work Special Trade Contractors
1611	Highway and Street Construction Contractors	1761	Roofing and Sheet Metal Work Special Trade Contractors
162	Heavy Construction, Except Highway and Street Construction	177	Concrete Work Special Trade Contractors
1622	Bridge, Tunnel, and Elevated Highway Construction Contractors	1771	Concrete Work Special Trade Contractors
1623	Water, Sewer, Pipe Line, Communication and Power Line Construction Contractors	178	Water Well Drilling Special Trade Contractors
1629	Heavy Construction Contractors, N.E.C.	1781	Water Well Drilling Special Trade Contractors
17	CONSTRUCTION—SPECIAL TRADE CONTRACTORS	179	Miscellaneous Special Trade Contractors
171	Plumbing, Heating (Except Electric), and Air Conditioning Special Trade Contractors	1791	Structural Steel Erection Special Trade Contractors
1711	Plumbing, Heating (Except Electric), and Air Conditioning Special Trade Contractors	1793	Glass and Glazing Work Special Trade Contractors
172	Painting, Paper Hanging, and Decorating Special Trade Contractors	1794	Excavating and Foundation Work Special Trade Contractors
1721	Painting, Paper Hanging, and Decorating Special Trade Contractors	1795	Wrecking and Demolition Work Special Trade Contractors
		1796	Installation or Erection of Building Equipment Special Trade Contractors, N.E.C.
		1799	Special Trade Contractors, N.E.C.
		6552	SUBDIVIDERS AND DEVELOPERS, EXCEPT CEMETERIES

[The text in this section is extremely faint and illegible. It appears to be a multi-column document, possibly a list or a set of notes, with several columns of text separated by vertical lines. The content is too blurry to transcribe accurately.]

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
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.

Standard Consolidated Statistical Areas and Standard Metropolitan Statistical Areas

[Titles and definitions shown for SCSA's and SMSA's are those established by the Office of Management and Budget, as of January 1982]

Standard Consolidated Statistical Areas

SCSA and definition	SCSA and definition	SCSA and definition
Boston-Lawrence-Lowell, Mass.-N.H. Boston, Mass., SMSA Brockton, Mass., SMSA Lawrence-Haverhill, Mass.-N.H., SMSA Lowell, Mass.-N.H., SMSA	Houston-Galveston, Tex. Galveston-Texas City, Tex., SMSA Houston, Tex., SMSA Indianapolis-Anderson, Ind.² Anderson, Ind., SMSA Indianapolis, Ind., SMSA	New York-Newark-Jersey City, N.Y.-N.J.-Conn.— Con. New York, N.Y.-N.J., SMSA Newark, N.J., SMSA Norwalk, Conn., SMSA Paterson-Clifton-Passaic, N.J., SMSA Stamford, Conn., SMSA
Chicago-Gary-Kenosha, Ill.-Ind.-Wis.¹ Chicago, Ill., SMSA Gary-Hammond-East Chicago, Ind., SMSA Kenosha, Wis., SMSA ¹	Los Angeles-Long Beach-Anaheim, Calif. Anaheim-Santa Ana-Garden Grove, Calif., SMSA Los Angeles-Long Beach, Calif., SMSA Oxnard-Simi Valley-Ventura, Calif., SMSA Riverside-San Bernardino-Ontario, Calif., SMSA	Philadelphia-Wilmington-Trenton, Pa.-Del.-N.J.-Md. Philadelphia, Pa.-N.J., SMSA Trenton, N.J., SMSA Wilmington, Del.-N.J.-Md., SMSA
Cincinnati-Hamilton, Ohio-Ky.-Ind. Cincinnati, Ohio-Ky.-Ind., SMSA Hamilton-Middletown, Ohio, SMSA	Miami-Fort Lauderdale, Fla. Fort Lauderdale-Hollywood, Fla., SMSA Miami, Fla., SMSA	Providence-Fall River, R.I.-Mass.² Fall River, Mass.-R.I., SMSA Providence-Warwick-Pawtucket, R.I.-Mass., SMSA
Cleveland-Akron-Lorain, Ohio Akron, Ohio, SMSA Cleveland, Ohio, SMSA Lorain-Elyria, Ohio, SMSA	Milwaukee-Racine, Wis. Milwaukee, Wis., SMSA Racine, Wis., SMSA	San Francisco-Oakland-San Jose, Calif. San Francisco-Oakland, Calif., SMSA San Jose, Calif., SMSA Santa Rosa, Calif., SMSA ³ Vallejo-Fairfield-Napa, Calif., SMSA
Dayton-Springfield, Ohio² Dayton, Ohio, SMSA Springfield, Ohio, SMSA	New York-Newark-Jersey City, N.Y.-N.J.-Conn. Jersey City, N.J., SMSA Long Branch-Asbury Park, N.J., SMSA Nassau-Suffolk, N.Y., SMSA New Brunswick-Perth Amboy-Sayreville, N.J., SMSA	Seattle-Tacoma, Wash. Seattle-Everett, Wash., SMSA Tacoma, Wash., SMSA
Detroit-Ann Arbor, Mich. Ann Arbor, Mich., SMSA Detroit, Mich., SMSA		

¹1977 title was Chicago-Gary, Ill.-Ind.; Kenosha, Wis., SMSA has been added.

²New SCSA since 1977 Economic Censuses.

³Santa Rosa, Calif., SMSA added since 1977 Economic Censuses.

Standard Metropolitan Statistical Areas

SMSA and definition	SMSA and definition	SMSA and definition
Abilene, Tex. Callahan County, Tex. Jones County, Tex. Taylor County, Tex.	Altoona, Pa. Blair County, Pa.	Athens, Ga.¹ Clarke County, Ga. Jackson County, Ga. Madison County, Ga. Oconee County, Ga.
Akron, Ohio Portage County, Ohio Summit County, Ohio	Amarillo, Tex. Potter County, Tex. Randall County, Tex.	Atlanta, Ga. Butts County, Ga. Cherokee County, Ga. Clayton County, Ga. Cobb County, Ga. De Kalb County, Ga.
Albany, Ga. Dougherty County, Ga. Lee County, Ga.	Anaheim-Santa Ana-Garden Grove, Calif. Orange County, Calif.	Anchorage, Alaska Anchorage Borough, Alaska
Albany-Schenectady-Troy, N.Y. Albany County, N.Y. Montgomery County, N.Y. Rensselaer County, N.Y. Saratoga County, N.Y. Schenectady County, N.Y.	Anderson, Ind. Madison County, Ind.	Douglas County, Ga. Fayette County, Ga. Forsyth County, Ga. Fulton County, Ga. Gwinnett County, Ga.
Albuquerque, N. Mex. Bernalillo County, N. Mex. Sandoval County, N. Mex.	Anderson, S.C.¹ Anderson County, S.C.	Henry County, Ga. Newton County, Ga. Paulding County, Ga. Rockdale County, Ga. Walton County, Ga.
Alexandria, La. Grant Parish, La. Rapides Parish, La.	Ann Arbor, Mich. Washtenaw County, Mich.	Anniston, Ala. Calhoun County, Ala.
Allentown-Bethlehem-Easton, Pa.-N.J. Warren County, N.J. Carbon County, Pa. Lehigh County, Pa. Northampton County, Pa.	Appleton-Oshkosh, Wis. Calumet County, Wis. Outagamie County, Wis. Winnebago County, Wis.	Atlantic City, N.J. Atlantic County, N.J.
	Asheville, N.C. Buncombe County, N.C. Madison County, N.C.	Augusta, Ga.-S.C. Columbia County, Ga. Richmond County, Ga. Aiken County, S.C.

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
<p>Austin, Tex. Hays County, Tex. Travis County, Tex. Williamson County, Tex.</p> <p>Bakersfield, Calif. Kern County, Calif.</p> <p>Baltimore, Md. Anne Arundel County, Md. Baltimore County, Md. Carroll County, Md. Harford County, Md. Howard County, Md. Baltimore city, Md.²</p> <p>Bangor, Maine¹ Penobscot County, Maine (part) Bangor city, Maine Brewer city, Maine Eddington town, Maine Glenburn town, Maine Hampden town, Maine Hermon town, Maine Holden town, Maine Kenduskeag town, Maine Old Town city, Maine Orono town, Maine Orrington town, Maine Penobscot Indian Island Indian Reservation, Maine Veazie town, Maine Waldo County, Maine (part) Winterport town, Maine</p> <p>Baton Rouge, La. Ascension Parish, La. East Baton Rouge Parish, La. Livingston Parish, La. West Baton Rouge Parish, La.</p> <p>Battle Creek, Mich. Barry County, Mich. Calhoun County, Mich.</p> <p>Bay City, Mich. Bay County, Mich.</p> <p>Beaumont-Port Arthur-Orange, Tex. Hardin County, Tex. Jefferson County, Tex. Orange County, Tex.</p> <p>Bellingham, Wash.¹ Whatcom County, Wash.</p> <p>Benton Harbor, Mich.¹ Berrien County, Mich.</p> <p>Billings, Mont. Yellowstone County, Mont.</p> <p>Biloxi-Gulfport, Miss. Hancock County, Miss. Harrison County, Miss. Stone County, Miss.</p> <p>Binghamton, N.Y.-Pa. Broome County, N.Y. Tioga County, N.Y. Susquehanna County, Pa.</p> <p>Birmingham, Ala. Jefferson County, Ala. St. Clair County, Ala. Shelby County, Ala. Walker County, Ala.</p> <p>Bismarck, N. Dak.¹ Burleigh County, N. Dak. Morton County, N. Dak.</p> <p>Bloomington, Ind. Monroe County, Ind.</p> <p>Bloomington-Normal, Ill. McLean County, Ill.</p> <p>Boise City, Idaho Ada County, Idaho</p>	<p>Boston, Mass. Essex County, Mass. (part) Beverly city, Mass. Boxford town, Mass. Danvers town, Mass. Hamilton town, Mass. Lynn city, Mass. Lynnfield town, Mass. Manchester town, Mass. Marblehead town, Mass. Middleton town, Mass. Nahant town, Mass. Peabody city, Mass. Salem city, Mass. Saugus town, Mass. Swampscott town, Mass. Topsfield town, Mass. Wenham town, Mass.</p> <p>Middlesex County, Mass. (part) Acton town, Mass. Arlington town, Mass. Ashland town, Mass. Bedford town, Mass. Belmont town, Mass. Boxborough town, Mass. Burlington town, Mass. Cambridge city, Mass. Carlisle town, Mass. Concord town, Mass. Everett city, Mass. Framingham town, Mass. Holliston town, Mass. Lexington town, Mass. Lincoln town, Mass. Malden city, Mass. Medford city, Mass. Melrose city, Mass. Natick town, Mass. Newton city, Mass. North Reading town, Mass. Reading town, Mass. Sherborn town, Mass. Somerville city, Mass. Stoneham town, Mass. Sudbury town, Mass. Wakefield town, Mass. Waltham city, Mass. Watertown town, Mass. Wayland town, Mass. Weston town, Mass. Wilmington town, Mass. Winchester town, Mass. Woburn city, Mass.</p> <p>Norfolk County, Mass. (part) Bellingham town, Mass. Braintree town, Mass. Brookline town, Mass. Canton town, Mass. Cohasset town, Mass. Dedham town, Mass. Dover town, Mass. Foxborough town, Mass. Franklin town, Mass. Holbrook town, Mass. Medfield town, Mass. Medway town, Mass. Millis town, Mass. Milton town, Mass. Needham town, Mass.</p> <p>Norfolk town, Mass. Norwood town, Mass. Quincy city, Mass. Randolph town, Mass. Sharon town, Mass.</p>	<p>Boston, Mass.—Con. Norfolk County, Mass. (part)—Con. Stoughton town, Mass. Walpole town, Mass. Wellesley town, Mass. Westwood town, Mass. Weymouth town, Mass. Wrentham town, Mass. Plymouth County, Mass. (part) Abington town, Mass. Duxbury town, Mass. Hanover town, Mass. Hanson town, Mass. Hingham town, Mass. Hull town, Mass. Kingston town, Mass. Marshfield town, Mass. Norwell town, Mass. Pembroke town, Mass. Rockland town, Mass. Scituate town, Mass. Suffolk County, Mass. Boston city, Mass. Chelsea city, Mass. Revere city, Mass. Winthrop town, Mass.</p> <p>Bradenton, Fla. Manatee County, Fla.</p> <p>Bremerton, Wash.¹ Kitsap County, Wash.</p> <p>Bridgeport, Conn. Fairfield County, Conn. (part) Bridgeport city, Conn. Easton town, Conn. Fairfield town, Conn. Monroe town, Conn. Shelton city, Conn. Stratford town, Conn. Trumbull town, Conn. New Haven County, Conn. (part) Derby city, Conn. Milford city, Conn. Milford town balance, Conn.³ Woodmont borough, Conn.³</p> <p>Bristol, Conn. Hartford County, Conn. (part) Bristol city, Conn. Burlington town, Conn. Litchfield County, Conn. (part) Plymouth town, Conn.</p> <p>Brockton, Mass. Bristol County, Mass. (part) Easton town, Mass. Norfolk County, Mass. (part) Avon town, Mass. Plymouth County, Mass. (part) Bridgewater town, Mass. Brockton city, Mass. East Bridgewater town, Mass. Halifax town, Mass. West Bridgewater town, Mass. Whitman town, Mass.</p> <p>Brownsville-Harlingen-San Benito, Tex. Cameron County, Tex.</p> <p>Bryan-College Station, Tex. Brazos County, Tex.</p> <p>Buffalo, N.Y. Erie County, N.Y. Niagara County, N.Y.</p> <p>Burlington, N.C. Alamance County, N.C.</p> <p>Burlington, Vt.¹ Chittenden County, Vt. (part) Burlington city, Vt. Charlotte town, Vt. Colchester town, Vt. Essex Junction village, Vt. Essex town balance, Vt.</p>

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
<p>Burlington, Vt.¹—Con. Chittenden County, Vt. (part)—Con. Hinesburg town, Vt. Jericho town, Vt. Jericho village, Vt. Milton town, Vt. Milton village, Vt.</p> <p>Richmond town, Vt. Richmond village, Vt. Shelburne town, Vt. South Burlington city, Vt. St. George town, Vt. Williston town, Vt. Winooski city, Vt.</p> <p>Franklin County, Vt. (part) Georgia town, Vt.</p> <p>Grand Isle County, Vt. (part) South Hero town, Vt.</p>	<p>Columbia, Mo. Boone County, Mo.</p> <p>Columbia, S.C. Lexington County, S.C. Richland County, S.C.</p> <p>Columbus, Ga.-Ala. Russell County, Ala. Chattahoochee County, Ga. Muscogee County, Ga.⁴</p> <p>Columbus, Ohio Delaware County, Ohio Fairfield County, Ohio Franklin County, Ohio Madison County, Ohio Pickaway County, Ohio</p> <p>Corpus Christi, Tex. Nueces County, Tex. San Patricio County, Tex.</p> <p>Cumberland, Md.-W. Va.¹ Allegany County, Md. Mineral County, W. Va.</p> <p>Dallas-Fort Worth, Tex. Collin County, Tex. Dallas County, Tex. Denton County, Tex. Ellis County, Tex. Hood County, Tex.</p> <p>Johnson County, Tex. Kaufman County, Tex. Parker County, Tex. Rockwall County, Tex. Tarrant County, Tex. Wise County, Tex.</p> <p>Danbury, Conn. Fairfield County, Conn. (part) Bethel town, Conn. Brookfield town, Conn. Danbury city, Conn. New Fairfield town, Conn. Newtown town, Conn. Redding town, Conn.</p> <p>Litchfield County, Conn. (part) New Milford town, Conn.</p> <p>Danville, Va.¹ Pittsylvania County, Va. Danville city, Va.²</p> <p>Davenport-Rock Island-Moline, Iowa-III. Henry County, Ill. Rock Island County, Ill. Scott County, Iowa</p> <p>Dayton, Ohio Greene County, Ohio Miami County, Ohio Montgomery County, Ohio Preble County, Ohio</p> <p>Daytona Beach, Fla. Volusia County, Fla.</p> <p>Decatur, Ill. Macon County, Ill.</p> <p>Denver-Boulder, Colo. Adams County, Colo. Arapahoe County, Colo. Boulder County, Colo. Denver County, Colo. Douglas County, Colo. Gilpin County, Colo. Jefferson County, Colo.</p> <p>Des Moines, Iowa Polk County, Iowa Warren County, Iowa</p> <p>Detroit, Mich. Lapeer County, Mich. Livingston County, Mich. Macomb County, Mich. Oakland County, Mich. St. Clair County, Mich. Wayne County, Mich.</p> <p>Dubuque, Iowa Dubuque County, Iowa</p>	<p>Duluth-Superior, Minn.-Wis. St. Louis County, Minn. Douglas County, Wis.</p> <p>Eau Claire, Wis. Chippewa County, Wis. Eau Claire County, Wis.</p> <p>El Paso, Tex. El Paso County, Tex.</p> <p>Elkhart, Ind.¹ Elkhart County, Ind.</p> <p>Elmira, N.Y. Chemung County, N.Y.</p> <p>Enid, Okla.¹ Garfield County, Okla.</p> <p>Erie, Pa. Erie County, Pa.</p> <p>Eugene-Springfield, Oreg. Lane County, Oreg.</p> <p>Evansville, Ind.-Ky. Gibson County, Ind. Posey County, Ind. Vanderburgh County, Ind. Warrick County, Ind. Henderson County, Ky.</p> <p>Fall River, Mass.-R.I. Bristol County, Mass. (part) Dighton town, Mass. Fall River city, Mass. Somerset town, Mass. Swansea town, Mass. Westport town, Mass.</p> <p>Newport County, R.I. (part) Little Compton town, R.I. Portsmouth town, R.I. Tiverton town, R.I.</p> <p>Fargo-Moorhead, N. Dak.-Minn. Clay County, Minn. Cass County, N. Dak.</p> <p>Fayetteville, N.C. Cumberland County, N.C.</p> <p>Fayetteville-Springdale, Ark. Benton County, Ark. Washington County, Ark.</p> <p>Fitchburg-Leominster, Mass. Middlesex County, Mass. (part) Shirley town, Mass. Townsend town, Mass.</p> <p>Worcester County, Mass. (part) Fitchburg city, Mass. Leominster city, Mass. Lunenburg town, Mass. Westminster town, Mass.</p> <p>Filnt, Mich. Genesee County, Mich. Shiawassee County, Mich.</p> <p>Florence, Ala. Colbert County, Ala. Lauderdale County, Ala.</p> <p>Florence, S.C.¹ Florence County, S.C.</p> <p>Fort Collins, Colo. Larimer County, Colo.</p> <p>Fort Lauderdale-Hollywood, Fla. Broward County, Fla.</p> <p>Fort Myers-Cape Coral, Fla.³ Lee County, Fla.</p> <p>Fort Smith, Ark.-Okla. Crawford County, Ark. Sebastian County, Ark. Le Flore County, Okla. Sequoyah County, Okla.</p> <p>Fort Walton Beach, Fla.¹ Okaloosa County, Fla.</p>
<p>Canton, Ohio Carroll County, Ohio Stark County, Ohio</p> <p>Casper, Wyo.¹ Natrona County, Wyo.</p> <p>Cedar Rapids, Iowa Linn County, Iowa</p> <p>Champaign-Urbana-Rantoul, Ill. Champaign County, Ill.</p> <p>Charleston-North Charleston, S.C. Berkeley County, S.C. Charleston County, S.C. Dorchester County, S.C.</p> <p>Charleston, W. Va. Kanawha County, W. Va. Putnam County, W. Va.</p> <p>Charlotte-Gastonia, N.C. Gaston County, N.C. Mecklenburg County, N.C. Union County, N.C.</p> <p>Charlottesville, Va.¹ Albemarle County, Va. Fluvanna County, Va. Greene County, Va. Charlottesville city, Va.²</p> <p>Chattanooga, Tenn.-Ga. Catoosa County, Ga. Dade County, Ga. Walker County, Ga. Hamilton County, Tenn. Marion County, Tenn. Sequatchie County, Tenn.</p> <p>Chicago, Ill. Cook County, Ill. Du Page County, Ill. Kane County, Ill. Lake County, Ill. McHenry County, Ill. Will County, Ill.</p> <p>Chico, Calif.¹ Butte County, Calif.</p> <p>Cincinnati, Ohio-Ky.-Ind. Dearborn County, Ind. Boone County, Ky. Campbell County, Ky. Kenton County, Ky. Clermont County, Ohio Hamilton County, Ohio Warren County, Ohio</p> <p>Clarksville-Hopkinsville, Tenn.-Ky. Christian County, Ky. Montgomery County, Tenn.</p> <p>Cleveland, Ohio Cuyahoga County, Ohio Geauga County, Ohio Lake County, Ohio Medina County, Ohio</p> <p>Colorado Springs, Colo. El Paso County, Colo. Teller County, Colo.</p>	<p>See footnotes at end of appendix.</p>	

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Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
<p>Fort Wayne, Ind. Adams County, Ind. Allen County, Ind. De Kalb County, Ind. Wells County, Ind.</p>	<p>Hartford, Conn.—Con. Hartford County, Conn. (part)—Con. Simsbury town, Conn. South Windsor town, Conn. Suffield town, Conn. West Hartford town, Conn. Wethersfield town, Conn. Windsor Locks town, Conn. Windsor town, Conn.</p>	<p>Jersey City, N.J. Hudson County, N.J.</p>
<p>Fresno, Calif. Fresno County, Calif.</p>	<p>Litchfield County, Conn. (part) New Hartford town, Conn.</p>	<p>Johnson City-Kingsport-Bristol, Tenn.-Va. Carter County, Tenn. Hawkins County, Tenn. Sullivan County, Tenn. Unicoi County, Tenn. Washington County, Tenn.</p>
<p>Gadsden, Ala. Etowah County, Ala.</p>	<p>Middlesex County, Conn. (part) Cromwell town, Conn. East Hampton town, Conn. Portland town, Conn.</p>	<p>Scott County, Va. Washington County, Va. Bristol city, Va.²</p>
<p>Gainesville, Fla. Alachua County, Fla.</p>	<p>New London County, Conn. (part) Colchester borough, Conn. Colchester town balance, Conn.</p>	<p>Johnstown, Pa. Cambria County, Pa. Somerset County, Pa.</p>
<p>Galveston-Texas City, Tex. Galveston County, Tex.</p>	<p>Tolland County, Conn. (part) Andover town, Conn. Bolton town, Conn. Columbia town, Conn. Coventry town, Conn. Ellington town, Conn.</p>	<p>Joplin, Mo.¹ Jasper County, Mo. Newton County, Mo.</p>
<p>Gary-Hammond-East Chicago, Ind. Lake County, Ind. Porter County, Ind.</p>	<p>Hebron town, Conn. Stafford Springs borough, Conn. Stafford town balance, Conn. Tolland town, Conn. Vernon town, Conn. Willington town, Conn.</p>	<p>Kalamazoo-Portage, Mich. Kalamazoo County, Mich. Van Buren County, Mich.</p>
<p>Glens Falls, N.Y.¹ Warren County, N.Y. Washington County, N.Y.</p>	<p>Hickory, N.C.¹ Alexander County, N.C. Catawba County, N.C.</p>	<p>Kankakee, Ill. Kankakee County, Ill.</p>
<p>Grand Forks, N. Dak.-Minn. Polk County, Minn. Grand Forks County, N. Dak.</p>	<p>Honolulu, Hawaii Honolulu County, Hawaii</p>	<p>Kansas City, Mo.-Kans. Johnson County, Kans. Wyandotte County, Kans. Cass County, Mo. Clay County, Mo. Jackson County, Mo. Platte County, Mo. Ray County, Mo.</p>
<p>Grand Rapids, Mich. Kent County, Mich. Ottawa County, Mich.</p>	<p>Houston, Tex. Brazoria County, Tex. Fort Bend County, Tex. Harris County, Tex. Liberty County, Tex. Montgomery County, Tex. Waller County, Tex.</p>	<p>Kenosha, Wis. Kenosha County, Wis.</p>
<p>Great Falls, Mont. Cascade County, Mont.</p>	<p>Huntington-Ashland, W. Va.-Ky.-Ohio Boyd County, Ky. Greenup County, Ky. Lawrence County, Ohio Cabell County, W. Va. Wayne County, W. Va.</p>	<p>Killeen-Temple, Tex. Bell County, Tex. Coryell County, Tex.</p>
<p>Greeley, Colo. Weld County, Colo.</p>	<p>Huntsville, Ala. Limestone County, Ala. Madison County, Ala. Marshall County, Ala.</p>	<p>Knoxville, Tenn. Anderson County, Tenn. Blount County, Tenn. Knox County, Tenn. Union County, Tenn.</p>
<p>Green Bay, Wis. Brown County, Wis.</p>	<p>Indianapolis, Ind. Boone County, Ind. Hamilton County, Ind. Hancock County, Ind. Hendricks County, Ind. Johnson County, Ind.</p>	<p>Kokomo, Ind. Howard County, Ind. Tipton County, Ind.</p>
<p>Greensboro-Winston-Salem-High Point, N.C. Davidson County, N.C. Forsyth County, N.C. Guilford County, N.C. Randolph County, N.C. Stokes County, N.C. Yadkin County, N.C.</p>	<p>Marion County, Ind. Morgan County, Ind. Shelby County, Ind.</p>	<p>La Crosse, Wis. La Crosse County, Wis.</p>
<p>Greenville-Spartanburg, S.C. Greenville County, S.C. Pickens County, S.C. Spartanburg County, S.C.</p>	<p>Iowa City, Iowa¹ Johnson County, Iowa</p>	<p>Lafayette, La. Lafayette Parish, La.</p>
<p>Hagerstown, Md.¹ Washington County, Md.</p>	<p>Jackson, Mich. Jackson County, Mich.</p>	<p>Lafayette-West Lafayette, Ind. Tippecanoe County, Ind.</p>
<p>Hamilton-Middletown, Ohio Butler County, Ohio</p>	<p>Jackson, Miss. Hinds County, Miss. Rankin County, Miss.</p>	<p>Lake Charles, La. Calcasieu Parish, La.</p>
<p>Harrisburg, Pa. Cumberland County, Pa. Dauphin County, Pa. Perry County, Pa.</p>	<p>Jacksonville, Fla. Baker County, Fla. Clay County, Fla. Duval County, Fla. Nassau County, Fla. St. Johns County, Fla.</p>	<p>Lakeland-Winter Haven, Fla. Polk County, Fla.</p>
<p>Hartford, Conn. Hartford County, Conn. (part) Avon town, Conn. Bloomfield town, Conn. Canton town, Conn. East Granby town, Conn. East Hartford town, Conn.</p>	<p>Jacksonville, N.C.¹ Onslow County, N.C.</p>	<p>Lancaster, Pa. Lancaster County, Pa.</p>
<p>East Windsor town, Conn. Enfield town, Conn. Farmington town, Conn. Glastonbury town, Conn. Granby town, Conn.</p>	<p>Janesville-Beloit, Wis.¹ Rock County, Wis.</p>	<p>Lansing-East Lansing, Mich. Clinton County, Mich. Eaton County, Mich. Ingham County, Mich. Ionia County, Mich.</p>
<p>Hartford city, Conn. Manchester town, Conn. Marlborough town, Conn. Newington town, Conn. Rocky Hill town, Conn.</p>		<p>Laredo, Tex. Webb County, Tex.</p>
		<p>Las Cruces, N. Mex.¹ Dona Ana County, N. Mex.</p>
		<p>Las Vegas, Nev. Clark County, Nev.</p>
		<p>Lawrence, Kans. Douglas County, Kans.</p>

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
<p>Lawrence-Haverhill, Mass.-N.H. Essex County, Mass. (part) Amesbury town, Mass. Andover town, Mass. Georgetown town, Mass. Groveland town, Mass. Haverhill city, Mass.</p> <p>Lawrence city, Mass. Merrimac town, Mass. Methuen town, Mass. North Andover town, Mass. Salisbury town, Mass. West Newbury town, Mass.</p> <p>Rockingham County, N.H. (part) Atkinson town, N.H. Hampstead town, N.H. Kingston town, N.H. Newton town, N.H. Plaistow town, N.H. Salem town, N.H. Windham town, N.H.</p>	<p>Macon, Ga. Bibb County, Ga. Houston County, Ga. Jones County, Ga. Twiggs County, Ga.</p> <p>Madison, Wis. Dane County, Wis.</p> <p>Manchester, N.H. Hillsborough County, N.H. (part) Bedford town, N.H. Goffstown town, N.H. Manchester city, N.H.</p> <p>Merrimack County, N.H. (part) Allenstown town, N.H. Hooksett town, N.H. Pembroke town, N.H.</p> <p>Rockingham County, N.H. (part) Derry town, N.H. Londonderry town, N.H.</p>	<p>Nashua, N.H. Hillsborough County, N.H. (part) Amherst town, N.H. Hudson town, N.H. Merrimack town, N.H. Milford town, N.H. Nashua city, N.H.</p> <p>Nashville-Davidson, Tenn. Cheatham County, Tenn. Davidson County, Tenn. Dickson County, Tenn. Robertson County, Tenn. Rutherford County, Tenn.</p> <p>Sumner County, Tenn. Williamson County, Tenn. Wilson County, Tenn.</p>
<p>Lawton, Okla. Comanche County, Okla.</p>	<p>Mansfield, Ohio Richland County, Ohio</p>	<p>Nassau-Suffolk, N.Y. Nassau County, N.Y. Suffolk County, N.Y.</p>
<p>Lewiston-Auburn, Maine Androscoggin County, Maine (part) Auburn city, Maine Lewiston city, Maine Lisbon town, Maine</p>	<p>McAllen-Pharr-Edinburg, Tex. Hidalgo County, Tex.</p>	<p>New Bedford, Mass. Bristol County, Mass. (part) Acushnet town, Mass. Dartmouth town, Mass. Fairhaven town, Mass. Freetown town, Mass. New Bedford city, Mass.</p>
<p>Lexington-Fayette, Ky. Bourbon County, Ky. Clark County, Ky. Fayette County, Ky. Jessamine County, Ky. Scott County, Ky. Woodford County, Ky.</p>	<p>Medford, Oreg.¹ Jackson County, Oreg.</p>	<p>Plymouth County, Mass. (part) Lakeville town, Mass. Marion town, Mass. Mattapoisett town, Mass.</p>
<p>Lima, Ohio Allen County, Ohio Auglaize County, Ohio Putnam County, Ohio Van Wert County, Ohio</p>	<p>Melbourne-Titusville-Cocoa, Fla. Brevard County, Fla.</p>	<p>New Britain, Conn. Hartford County, Conn. (part) Berlin town, Conn. New Britain city, Conn. Plainville town, Conn. Southington town, Conn.</p>
<p>Lincoln, Nebr. Lancaster County, Nebr.</p>	<p>Memphis, Tenn.-Ark.-Miss. Crittenden County, Ark. De Soto County, Miss. Shelby County, Tenn. Tipton County, Tenn.</p>	<p>New Brunswick-Perth Amboy-Sayreville, N.J. Middlesex County, N.J.</p>
<p>Little Rock-North Little Rock, Ark. Pulaski County, Ark. Saline County, Ark.</p>	<p>Meriden, Conn. New Haven County, Conn. (part) Meriden city, Conn.</p>	<p>New Haven-West Haven, Conn. Middlesex County, Conn. (part) Clinton town, Conn.</p>
<p>Long Branch-Asbury Park, N.J. Monmouth County, N.J.</p>	<p>Miami, Fla. Dade County, Fla.</p>	<p>New Haven County, Conn. (part) Bethany town, Conn. Branford town, Conn. East Haven town, Conn. Guilford town, Conn. Hamden town, Conn.</p>
<p>Longview-Marshall, Tex.⁴ Gregg County, Tex. Harrison County, Tex.</p>	<p>Midland, Tex. Midland County, Tex.</p>	<p>Madison town, Conn. New Haven city, Conn. North Branford town, Conn. North Haven town, Conn. Orange town, Conn.</p>
<p>Lorain-Elyria, Ohio Lorain County, Ohio</p>	<p>Midwaukee, Wis. Milwaukee County, Wis. Ozaukee County, Wis. Washington County, Wis. Waukesha County, Wis.</p>	<p>Wallingford town, Conn. West Haven city, Conn. Woodbridge town, Conn.</p>
<p>Los Angeles-Long Beach, Calif. Los Angeles County, Calif.</p>	<p>Minneapolis-St. Paul, Minn.-Wis. Anoka County, Minn. Carver County, Minn. Chisago County, Minn. Dakota County, Minn. Hennepin County, Minn.</p>	<p>New London-Norwich, Conn.-R.I. Middlesex County, Conn. (part) Fenwick borough, Conn.⁷ Old Saybrook town, Conn.</p>
<p>Louisville, Ky.-Ind. Clark County, Ind. Floyd County, Ind. Bullitt County, Ky. Jefferson County, Ky. Oldham County, Ky.</p>	<p>Ramsey County, Minn. Scott County, Minn. Washington County, Minn. Wright County, Minn. St. Croix County, Wis.</p>	<p>New London County, Conn. (part) Bozrah town, Conn. East Lyme town, Conn. Griswold town balance, Conn. Groton city, Conn. Groton town balance, Conn.</p>
<p>Lowell, Mass.-N.H. Middlesex County, Mass. (part) Billerica town, Mass. Chelmsford town, Mass. Dracut town, Mass. Lowell city, Mass. Tewksbury town, Mass. Tyngsborough town, Mass. Westford town, Mass.</p>	<p>Mobile, Ala. Baldwin County, Ala. Mobile County, Ala.</p>	<p>Jewett City borough, Conn. Ledyard town, Conn. Lisbon town, Conn. Montville town, Conn. New London city, Conn.</p>
<p>Hillsborough County, N.H. (part) Pelham town, N.H.</p>	<p>Modesto, Calif. Stanislaus County, Calif.</p>	
<p>Lubbock, Tex. Lubbock County, Tex.</p>	<p>Monroe, La. Ouachita Parish, La.</p>	
<p>Lynchburg, Va. Amherst County, Va. Appomattox County, Va. Campbell County, Va. Lynchburg city, Va.²</p>	<p>Montgomery, Ala. Autauga County, Ala. Elmore County, Ala. Montgomery County, Ala.</p>	
	<p>Muncie, Ind. Delaware County, Ind.</p>	
	<p>Muskegon-Norton Shores-Muskegon Heights, Mich. Muskegon County, Mich. Oceana County, Mich.</p>	

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Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
<p>New London-Norwich, Conn.-R.I.—Con. New London County, Conn. (part)—Con. Norwich city, Conn. Old Lyme town, Conn. Preston town, Conn. Sprague town, Conn. Stonington town, Conn. Waterford town, Conn.</p> <p>Washington County, R.I. (part) Hopkinton town, R.I. Westerly town, R.I.</p>	<p>Orlando, Fla. Orange County, Fla. Osceola County, Fla. Seminole County, Fla.</p> <p>Owensboro, Ky. Daviess County, Ky.</p> <p>Oxnard-Simi Valley-Ventura, Calif. Ventura County, Calif.</p>	<p>Portland, Maine—Con. Cumberland County, Maine (part)—Con. Portland city, Maine Scarborough town, Maine South Portland city, Maine Westbrook city, Maine Windham town, Maine Yarmouth town, Maine</p> <p>York County, Maine (part) Old Orchard Beach town, Maine Saco city, Maine</p>
<p>New Orleans, La. Jefferson Parish, La. Orleans Parish, La. St. Bernard Parish, La. St. Tammany Parish, La.</p>	<p>Panama City, Fla. Bay County, Fla.</p>	<p>Portland, Oreg.-Wash. Clackamas County, Oreg. Multnomah County, Oreg. Washington County, Oreg. Clark County, Wash.</p>
<p>New York, N.Y.-N.J. Bergen County, N.J. Bronx County, N.Y. Kings County, N.Y. New York County, N.Y. Putnam County, N.Y.</p> <p>Queens County, N.Y. Richmond County, N.Y. Rockland County, N.Y. Westchester County, N.Y.</p>	<p>Parkersburg-Marletta, W. Va.-Ohio Washington County, Ohio Wirt County, W. Va. Wood County, W. Va.</p>	<p>Portsmouth-Dover-Rochester, N.H.-Maine¹ York County, Maine (part) Berwick town, Maine Eliot town, Maine Kittery town, Maine South Berwick town, Maine York town, Maine</p>
<p>Newark, N.J. Essex County, N.J. Morris County, N.J. Somerset County, N.J. Union County, N.J.</p>	<p>Paacagoula-Moosa Point, Miss. Jackson County, Miss.</p>	<p>Rockingham County, N.H. (part) Greenland town, N.H. Hampton town, N.H. New Castle town, N.H. Newfields town, N.H. Newington town, N.H.</p> <p>Newmarket town, N.H. North Hampton town, N.H. Portsmouth city, N.H. Rye town, N.H.</p>
<p>Newark, Ohio¹ Licking County, Ohio</p>	<p>Pateron-Clifton-Passaic, N.J. Passaic County, N.J.</p>	<p>Strafford County, N.H. (part) Barrington town, N.H. Dover city, N.H. Durham town, N.H. Farmington town, N.H. Lee town, N.H.</p> <p>Madbury town, N.H. Rochester city, N.H. Rollinsford town, N.H. Somersworth city, N.H.</p>
<p>Newburgh-Middletown, N.Y.¹ Orange County, N.Y.</p>	<p>Pensacola, Fla. Escambia County, Fla. Santa Rosa County, Fla.</p>	<p>Poughkeepsie, N.Y. Dutchess County, N.Y.</p>
<p>Newport News-Hampton, Va. Gloucester County, Va. James City County, Va. York County, Va. Hampton city, Va.² Newport News city, Va.² Poquoson city, Va.² Williamsburg city, Va.²</p>	<p>Peoria, Ill. Peoria County, Ill. Tazewell County, Ill. Woodford County, Ill.</p>	<p>Providence-Warwick-Pawtucket, R.I.-Mass. Bristol County, Mass. (part) Attleboro city, Mass. North Attleborough town, Mass. Norton town, Mass. Rehoboth town, Mass. Seekonk town, Mass.</p>
<p>Norfolk-Virginia Beach-Portsmouth, Va.-N.C. Currituck County, N.C. Chesapeake city, Va.² Norfolk city, Va.² Portsmouth city, Va.² Suffolk city, Va.² Virginia Beach city, Va.²</p>	<p>Peteraburg-Colonial Heights-Hopewell, Va. Dinwiddie County, Va. Prince George County, Va. Colonial Heights city, Va.² Hopewell city, Va.² Petersburg city, Va.²</p>	<p>Norfolk County, Mass. (part) Plainville town, Mass.</p> <p>Worcester County, Mass. (part) Blackstone town, Mass. Millville town, Mass.</p>
<p>Northeast Pennsylvania Lackawanna County, Pa. Luzerne County, Pa. Monroe County, Pa.</p>	<p>Philadelphia, Pa.-N.J. Burlington County, N.J. Camden County, N.J. Gloucester County, N.J. Bucks County, Pa. Chester County, Pa.</p> <p>Delaware County, Pa. Montgomery County, Pa. Philadelphia County, Pa.</p>	<p>Bristol County, R.I. Barrington town, R.I. Bristol town, R.I. Warren town, R.I.</p>
<p>Norwalk, Conn. Fairfield County, Conn. (part) Norwalk city, Conn. Weston town, Conn. Westport town, Conn. Wilton town, Conn.</p>	<p>Phoenix, Ariz. Maricopa County, Ariz.</p>	<p>Kent County, R.I. (part) Coventry town, R.I. East Greenwich town, R.I. Warwick city, R.I. West Warwick town, R.I.</p>
<p>Ocala, Fla.¹ Marion County, Fla.</p>	<p>Pine Bluff, Ark. Jefferson County, Ark.</p>	<p>Newport County, R.I. (part) Jamestown town, R.I.</p>
<p>Odessa, Tex. Ector County, Tex.</p>	<p>Pittsburgh, Pa. Allegheny County, Pa. Beaver County, Pa. Washington County, Pa. Westmoreland County, Pa.</p>	<p>Providence County, R.I. (part) Burrillville town, R.I. Central Falls city, R.I. Cranston city, R.I. Cumberland town, R.I. East Providence city, R.I.</p> <p>Johnston town, R.I. Lincoln town, R.I. North Providence town, R.I. North Smithfield town, R.I. Pawtucket city, R.I.</p>
<p>Oklahoma City, Okla. Canadian County, Okla. Cleveland County, Okla. McClain County, Okla. Oklahoma County, Okla. Pottawatomie County, Okla.</p>	<p>Pittsfield, Mass. Berkshire County, Mass. (part) Adams town, Mass. Cheshire town, Mass. Dalton town, Mass. Lanesborough town, Mass. Lee town, Mass.</p> <p>Lenox town, Mass. Pittsfield city, Mass. Stockbridge town, Mass.</p>	
<p>Olympia, Wash.¹ Thurston County, Wash.</p>	<p>Portland, Maine Cumberland County, Maine (part) Cape Elizabeth town, Maine Cumberland town, Maine Falmouth town, Maine Freeport town, Maine Gorham town, Maine</p>	
<p>Omaha, Nebr.-Iowa Pottawattamie County, Iowa Douglas County, Nebr. Sarpy County, Nebr.</p>		

See footnotes at end of appendix.

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<p>Providence-Warwick-Pawtucket, R.I.-Mass.—Con. Providence County, R.I. (part)—Con. Providence city, R.I. Scituate town, R.I. Smithfield town, R.I. Woonsocket city, R.I.</p> <p>Washington County, R.I. (part) Narragansett town, R.I. North Kingstown town, R.I. South Kingstown town, R.I.</p>	<p>St. Louis, Mo.-Ill. Clinton County, Ill. Madison County, Ill. Monroe County, Ill. St. Clair County, Ill. Franklin County, Mo.</p> <p>Jefferson County, Mo. St. Charles County, Mo. St. Louis County, Mo. St. Louis city, Mo.²</p>	<p>Springfield, Ill. Menard County, Ill. Sangamon County, Ill.</p>
<p>Provo-Orem, Utah Utah County, Utah</p>	<p>Salem, Oreg. Marion County, Oreg. Polk County, Oreg.</p>	<p>Springfield, Mo. Christian County, Mo. Greene County, Mo.</p>
<p>Pueblo, Colo. Pueblo County, Colo.</p>	<p>Sallnas-Seaside-Monterey, Calif. Monterey County, Calif.</p>	<p>Springfield, Ohio Champaign County, Ohio Clark County, Ohio</p>
<p>Racine, Wis. Racine County, Wis.</p>	<p>Sallsbury-Concord, N.C.¹ Cabarrus County, N.C. Rowan County, N.C.</p>	<p>Springfield-Chicopee-Holyoke, Mass.-Conn. Tolland County, Conn. (part) Somers town, Conn.</p>
<p>Raleigh-Durham, N.C. Durham County, N.C. Orange County, N.C. Wake County, N.C.</p>	<p>Salt Lake City-Ogden, Utah Davis County, Utah Salt Lake County, Utah Tooele County, Utah Weber County, Utah</p>	<p>Hampden County, Mass. (part) Agawam town, Mass. Chicopee city, Mass. East Longmeadow town, Mass. Hampden town, Mass. Holyoke city, Mass.</p>
<p>Reading, Pa. Berks County, Pa.</p>	<p>San Angelo, Tex. Tom Green County, Tex.</p>	<p>Longmeadow town, Mass. Ludlow town, Mass. Monson town, Mass. Palmer town, Mass. Southwick town, Mass.</p>
<p>Redding, Calif.¹ Shasta County, Calif.</p>	<p>San Antonio, Tex. Bexar County, Tex. Comal County, Tex. Guadalupe County, Tex.</p>	<p>Springfield city, Mass. West Springfield town, Mass. Westfield city, Mass. Wilbraham town, Mass.</p>
<p>Reno, Nev. Washoe County, Nev.</p>	<p>San Diego, Calif. San Diego County, Calif.</p>	<p>Hampshire County, Mass. (part) Belchertown town, Mass. Easthampton town, Mass. Granby town, Mass. Hadley town, Mass. Hatfield town, Mass.</p>
<p>Richland-Kennewick-Pasco, Wash.³ Benton County, Wash. Franklin County, Wash.</p>	<p>San Francisco-Oakland, Calif. Alameda County, Calif. Contra Costa County, Calif. Marin County, Calif. San Francisco County, Calif. San Mateo County, Calif.</p>	<p>Northampton city, Mass. South Hadley town, Mass. Southampton town, Mass.</p>
<p>Richmond, Va. Charles City County, Va. Chesterfield County, Va. Goochland County, Va. Hanover County, Va. Henrico County, Va.</p> <p>New Kent County, Va. Powhatan County, Va. Richmond city, Va.²</p>	<p>San Jose, Calif. Santa Clara County, Calif.</p>	<p>Worcester County, Mass. (part) Warren town, Mass.</p>
<p>Riverside-San Bernardino-Ontario, Calif. Riverside County, Calif. San Bernardino County, Calif.</p>	<p>Santa Barbara-Santa Maria-Lompoc, Calif. Santa Barbara County, Calif.</p>	<p>Stamford, Conn. Fairfield County, Conn. (part) Darien town, Conn. Greenwich town, Conn. New Canaan town, Conn. Stamford city, Conn.</p>
<p>Roanoke, Va. Botetourt County, Va. Craig County, Va. Roanoke County, Va. Roanoke city, Va.² Salem city, Va.²</p>	<p>Santa Cruz, Calif. Santa Cruz County, Calif.</p>	<p>State College, Pa.¹ Centre County, Pa.</p>
<p>Rochester, Minn. Olmsted County, Minn.</p>	<p>Santa Rosa, Calif. Sonoma County, Calif.</p>	<p>Staubenville-Weirton, Ohio-W. Va. Jefferson County, Ohio Brooke County, W. Va. Hancock County, W. Va.</p>
<p>Rochester, N.Y. Livingston County, N.Y. Monroe County, N.Y. Ontario County, N.Y. Orleans County, N.Y. Wayne County, N.Y.</p>	<p>Sarasota, Fla. Sarasota County, Fla.</p>	<p>Stockton, Calif. San Joaquin County, Calif.</p>
<p>Rockford, Ill. Boone County, Ill. Winnebago County, Ill.</p>	<p>Savannah, Ga. Bryan County, Ga. Chatham County, Ga. Effingham County, Ga.</p>	<p>Syracuse, N.Y. Madison County, N.Y. Onondaga County, N.Y. Oswego County, N.Y.</p>
<p>Rock Hill, S.C.¹ York County, S.C.</p>	<p>Seattle-Everett, Wash. King County, Wash. Snohomish County, Wash.</p>	<p>Tacoma, Wash. Pierce County, Wash.</p>
<p>Sacramento, Calif. Placer County, Calif. Sacramento County, Calif. Yolo County, Calif.</p>	<p>Sharon, Pa.¹ Mercer County, Pa.</p>	<p>Tallahassee, Fla. Leon County, Fla. Wakulla County, Fla.</p>
<p>Saginaw, Mich. Saginaw County, Mich.</p>	<p>Sheboygan, Wis.¹ Sheboygan County, Wis.</p>	<p>Tampa-St. Petersburg, Fla. Hillsborough County, Fla. Pasco County, Fla. Pinellas County, Fla.</p>
<p>St. Cloud, Minn. Benton County, Minn. Sherburne County, Minn. Stearns County, Minn.</p>	<p>Sherman-Denison, Tex. Grayson County, Tex.</p>	<p>Terre Haute, Ind. Clay County, Ind. Sullivan County, Ind. Vermillion County, Ind. Vigo County, Ind.</p>
<p>St. Joseph, Mo. Andrew County, Mo. Buchanan County, Mo.</p>	<p>Shreveport, La. Bossier Parish, La. Caddo Parish, La. Webster Parish, La.</p>	<p>Texarkana, Tex.-Texarkana, Ark. Little River County, Ark. Miller County, Ark. Bowie County, Tex.</p>
	<p>Sloux City, Iowa-Nebr. Woodbury County, Iowa Dakota County, Nebr.</p>	
	<p>Sloux Falls, S. Dak. Minnehaha County, S. Dak.</p>	
	<p>South Bend, Ind. Marshall County, Ind. St. Joseph County, Ind.</p>	
	<p>Spokane, Wash. Spokane County, Wash.</p>	

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
<p>Toledo, Ohio-Mich. Monroe County, Mich. Fulton County, Ohio Lucas County, Ohio Ottawa County, Ohio Wood County, Ohio</p> <p>Topeka, Kans. Jefferson County, Kans. Osage County, Kans. Shawnee County, Kans.</p> <p>Trenton, N.J. Mercer County, N.J.</p> <p>Tucson, Ariz. Pima County, Ariz.</p> <p>Tulsa, Okla. Creek County, Okla. Mayes County, Okla. Osage County, Okla. Rogers County, Okla. Tulsa County, Okla. Wagoner County, Okla.</p> <p>Tuscaloosa, Ala. Tuscaloosa County, Ala.</p> <p>Tyler, Tex. Smith County, Tex.</p> <p>Utica-Rome, N.Y. Herkimer County, N.Y. Oneida County, N.Y.</p> <p>Vallejo-Fairfield-Napa, Calif. Napa County, Calif. Solano County, Calif.</p> <p>Victoria, Tex.¹ Victoria County, Tex.</p> <p>Vineland-Millville-Bridgeton, N.J. Cumberland County, N.J.</p> <p>Visalia-Tulare-Porterville, Calif.¹ Tulare County, Calif.</p> <p>Waco, Tex. McLennan County, Tex.</p>	<p>Washington, D.C.-Md.-Va. Washington, D.C. Charles County, Md. Montgomery County, Md. Prince George's County, Md. Arlington County, Va.</p> <p>Fairfax County, Va. Loudoun County, Va. Prince William County, Va. Alexandria city, Va.² Fairfax city, Va.²</p> <p>Falls Church city, Va.² Manassas city, Va.² Manassas Park city, Va.²</p> <p>Waterbury, Conn. Litchfield County, Conn. (part) Thomaston town, Conn. Watertown town, Conn. Woodbury town, Conn.</p> <p>New Haven County, Conn. (part) Beacon Falls town, Conn. Cheshire town, Conn. Middlebury town, Conn. Naugatuck borough, Conn. Prospect town, Conn.</p> <p>Southbury town, Conn. Waterbury city, Conn. Wolcott town, Conn.</p> <p>Waterloo-Cedar Falls, Iowa Black Hawk County, Iowa</p> <p>Wausau, Wis.¹ Marathon County, Wis.</p> <p>West Palm Beach-Boca Raton, Fla. Palm Beach County, Fla.</p> <p>Wheeling, W. Va.-Ohio Belmont County, Ohio Marshall County, W. Va. Ohio County, W. Va.</p> <p>Wichita, Kans. Butler County, Kans. Sedgwick County, Kans.</p>	<p>Wichita Falls, Tex. Clay County, Tex. Wichita County, Tex.</p> <p>Williamsport, Pa. Lycoming County, Pa.</p> <p>Wilmington, Del.-N.J.-Md. New Castle County, Del. Cecil County, Md. Salem County, N.J.</p> <p>Wilmington, N.C. Brunswick County, N.C. New Hanover County, N.C.</p> <p>Worcester, Mass. Worcester County, Mass. (part) Auburn town, Mass. Berlin town, Mass. Boylston town, Mass. Brookfield town, Mass. Charlton town, Mass.</p> <p>East Brookfield town, Mass. Grafton town, Mass. Holden town, Mass. Leicester town, Mass. Millbury town, Mass.</p> <p>North Brookfield town, Mass. Northborough town, Mass. Northbridge town, Mass. Oxford town, Mass. Paxton town, Mass.</p> <p>Shrewsbury town, Mass. Spencer town, Mass. Sterling town, Mass. Sutton town, Mass. Upton town, Mass.</p> <p>Uxbridge town, Mass. Webster town, Mass. West Boylston town, Mass. Westborough town, Mass. Worcester city, Mass.</p> <p>Yakima, Wash. Yakima County, Wash.</p> <p>York, Pa. Adams County, Pa. York County, Pa.</p> <p>Youngstown-Warren, Ohio Mahoning County, Ohio Trumbull County, Ohio</p> <p>Yuba City, Calif.¹ Sutter County, Calif. Yuba County, Calif.</p>

¹New SMSA since 1977 Economic Censuses.

²Independent of any county and considered a county equivalent.

³Millford town balance and Woodmont borough added since 1977 Economic Censuses.

⁴Muscogee County has been reinstated as a county. It replaced the county equivalent record for the independent city of Columbus.

⁵1977 title was Fort Myers, Fla.

⁶1977 title was Longview, Tex.

⁷Fenwick borough added since 1977 Economic Censuses.

⁸1977 title was Richland-Kennewick, Wash.

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PUBLICATION PROGRAM

1982 CENSUS OF CONSTRUCTION INDUSTRIES

Publications of the 1982 Census of Construction Industries, containing data on construction establishments in the United States, are described below. Publications order forms for the specific reports may be obtained from any Department of Commerce district office or from Data User Services Division, Customer Services (Publications), Bureau of the Census, Washington, D.C. 20233.

Preliminary Reports

Preliminary data from the 1982 census have been issued in 27 industry reports and 1 summary report. These reports are superseded by more detailed final reports.

Final Reports

Final detailed statistics are issued in separate paperbound reports.

Industry series—28 reports (CC82-I-1 to -28)

Industry series—27 reports (CC82-I-1 to -27). These reports present data for establishments with payroll and are published for each of the 27 industries included in the census. Each industry report presents 1982 data by State and for the United States on number of construction establishments; receipts; employment; hours worked; payrolls; payments to subcontractors; payments for materials, components, and supplies; payments for power and fuels; payments for selected purchased services; payments for the rental of machinery, equipment, and structures; value added; capital expenditures during the year; and depreciable assets. Limited data for 1977, 1972, and 1967 are also shown. In addition, more detailed data are shown at the U.S. level on construction receipts by type of structure (single-family houses, streets, roads, etc.). Selected data also are provided for establishments classified by their employment size and receipts size.

U.S. Summary—1 report (CC82-I-28). This report summarizes the data for establishments with payroll presented in the 27 individual industry reports and presents limited data for establishments with no payroll.

Geographic area series—10 reports (CC82-A-1 to -10)

Division reports (CC82-A-1 to -9). These reports are published for States grouped according to the nine census geographic divisions. Much of the geographic area series data are the same as presented in the

industry series, except here they are organized by State rather than by industry. Similar data also are presented for selected SMSA's. Data are provided for establishments classified by their employment size and receipts size. Data for establishments with no payroll as well as comparative 1977, 1972, and 1967 figures, on a limited basis, also are shown.

U.S. Summary by State (CC82-A-10). This report summarizes the data, as presented in the nine individual geographic division reports, for establishments with and without payroll.

Special series—1 report (CC82-SP-1)

Legal form of organization and type of operation (CC82-SP-1)—This report presents limited data (number of establishments, number of proprietors and working partners, total employment, and total receipts) for construction establishments without payroll, for construction establishments with payroll, and for the aggregate, classified by industry and by legal form of organization. It also contains selected statistics (number of establishments, employment, payrolls, receipts, payments to subcontractors, net construction receipts, and value added) for construction establishments with payroll, classified by industry and by type of operation (multiunit or single-unit) and by legal form of organization.

Final Report Volume

Final paperbound reports subsequently are assembled and reissued in one clothbound volume.

Microfiche

All published data also are available on microfiche.

OTHER ECONOMIC CENSUSES REPORTS

Data on retail trade, wholesale trade, service industries, manufactures, enterprise statistics, minority-owned businesses, women-owned businesses, and transportation also are issued as part of the 1982 Economic Censuses. A separate series of reports covers the censuses of outlying areas—Puerto Rico, Virgin Islands of the United States, Guam, and the Northern Mariana Islands. All published reports and microfiche are sold by the Superintendent of Documents, U.S. Government Printing Office. Appropriate announcements and order forms describing these products are available free of charge from Data User Services Division, Customer Services (Publications), Bureau of the Census, Washington, D.C. 20233.

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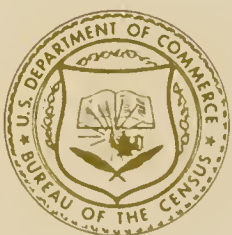


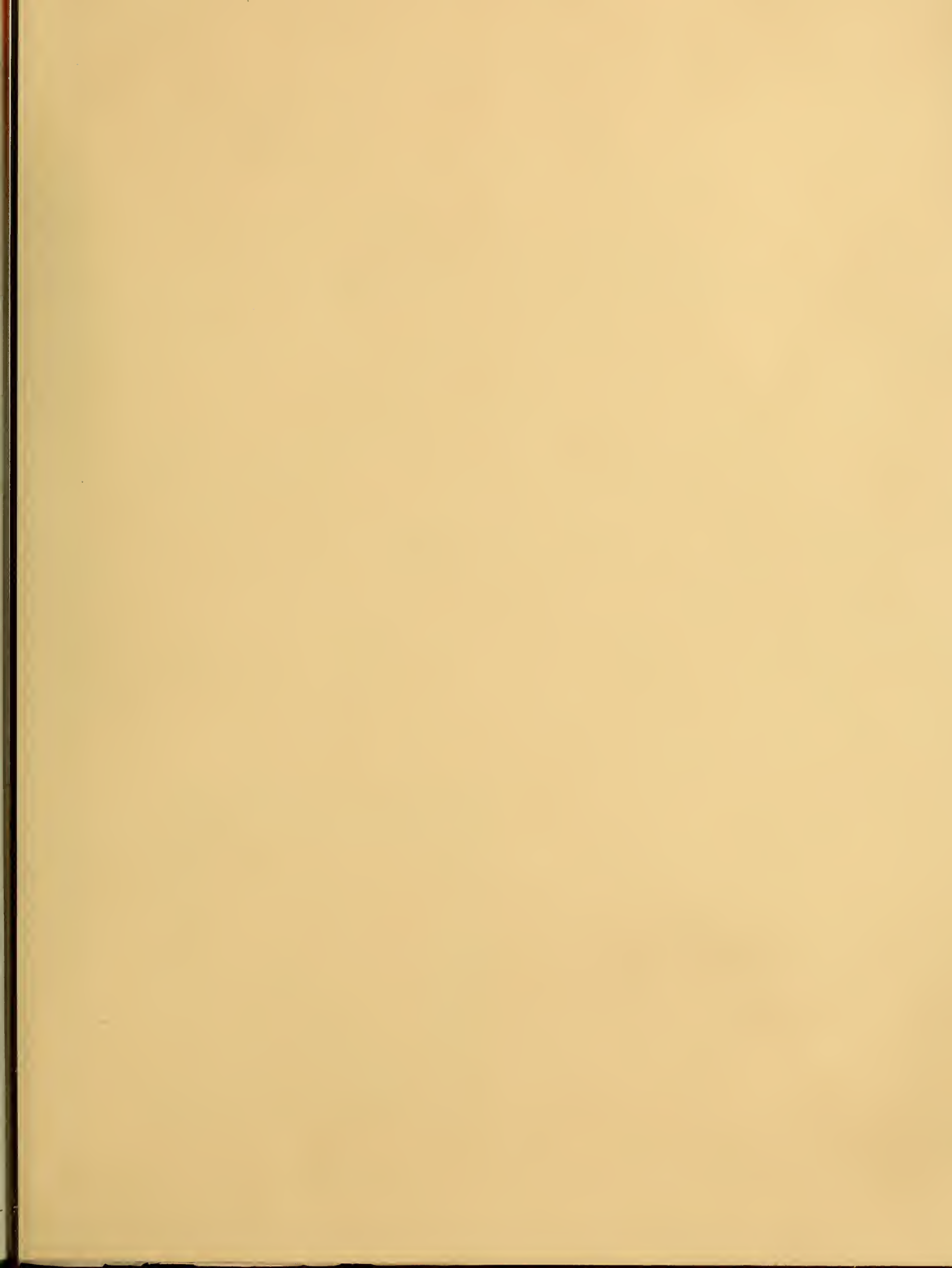
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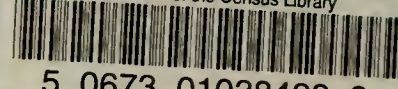






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