



# 2002 ECONOMIC CENSUS SURVEYING AND MAPPING SERVICES

FORM  
**PS-54105**

OMB No. 0607-0887: Approval Expires 09/30/2004

**DUE DATE**  
**FEBRUARY 12, 2003**

**Mail** your completed form to:  
**U.S. CENSUS BUREAU**  
1201 East 10th Street  
Jeffersonville, IN 47134-0001

PS-54105

**Please read** the accompanying information sheet(s) before answering the questions.

**Need help or have questions about filling out this form?**

**Visit** our Web site at [www.census.gov/econhelp](http://www.census.gov/econhelp)

**Call** 1-800-233-6136, between 8:00 a.m. and 8:00 p.m., Eastern time, Monday through Friday.

- OR -

**Write** to the address above. Include your 11-digit Census File Number (CFN) printed in the mailing address.

**INFORMATION COPY  
DO NOT USE TO REPORT**

(Please correct any errors in this mailing address.)

**YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the U.S. Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by persons sworn to uphold the confidentiality of Census Bureau information and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

- Use blue or black ink.
- Do not use pencil.
- Place an "X" inside the box.
- Please center numbers in their respective boxes. Examples:
- Do not put slashes through 0 or 7.

<input checked="" type="checkbox"/>	0	1	2	3	4	5	6	7	8	9
-------------------------------------	---	---	---	---	---	---	---	---	---	---

The reporting unit for this form is an establishment. An **establishment** is generally a single physical location where business is conducted or where services or industrial operations are performed. For further clarification, see information sheet(s).

**1 MONTHS IN OPERATION** Mark "X" if None

Number of months in operation during 2002 (If none, mark "X" and go to 29.) . . . . . 0002

2002	
Number of months	

**2 EMPLOYER IDENTIFICATION NUMBER**

Is the Employer Identification Number (EIN) shown in the mailing address the same as the one used for this establishment on its latest 2002 Internal Revenue Service Form 941, Employer's Quarterly Federal Tax Return?

0021  Yes      0022  No - Enter current EIN (9 digits) → 0025  -

**3 PHYSICAL LOCATION**

**A. Is this establishment's physical location the same as shown in the mailing address? (P.O. box and rural route addresses are not physical locations.)**

0031  Yes

0032  No - Enter physical location →

0035 Number and street		
0036 City, town, village, etc.	0037 State	0038 ZIP Code

**B. Is this establishment physically located inside the legal boundaries of the city, town, village, etc.?**

0041  Yes      0042  No      0043  No legal boundaries      0044  Do not know

**C. Type of municipality where this establishment is physically located**

0046  City, village, or borough      0047  Town or township      0048  Other or do not know



54105010

HOW TO REPORT DOLLAR FIGURES

Dollar figures should be rounded to thousands of dollars.

If a figure is \$1,025,628.79:

If a value is "0" (or less than \$500.00):

Report

Report

Mark "X" if None

2002		
\$ Mil.	Thou.	Dol.
1	0 2 6	

**4 SALES, SHIPMENTS, RECEIPTS, OR REVENUE**

Mark "X" if None

Operating receipts (Include receipts for work subcontracted to others or, if a joint venture, work performed by participants for which they were reimbursed.) . . . . . 0100

2002		
\$ Mil.	Thou.	Dol.

**5 E-COMMERCE SALES, SHIPMENTS, RECEIPTS, OR REVENUE**

**A.** Did this establishment have any e-commerce sales, receipts, and/or revenue in 2002? (E-commerce includes sales, receipts, and/or revenue from any transaction completed over an Internet, Extranet, Electronic Data Interchange (EDI) network, electronic mail, or other online system. Transactions are agreements between buyers and sellers to transfer ownership of, or rights to use, goods or services. Payment for these goods or services may or may not be made online. Please see the information sheet(s) for further clarification.)

0181  Yes - Go to line B

0182  No - Go to 6

2002		
Estimates are acceptable		
\$ Mil.	Thou.	Dol.

**B.** E-commerce sales, receipts, and/or revenue of this establishment (Include e-commerce sales, receipts, and/or revenue in 4. Exclude sales taxes.) . . . . . 0185

**6 EMPLOYMENT AND PAYROLL**

**Include:**

- Full- and part-time employees working at this establishment whose payroll was reported on Internal Revenue Service Form 941, Employer's Quarterly Federal Tax Return, and filed under the Employer Identification Number (EIN) shown in the mailing address or corrected in 2.

**Exclude:**

- Full- or part-time leased employees whose payroll was filed under an employee leasing company's EIN.
- Temporary staffing obtained from a staffing service.

For further clarification, see information sheet(s).

Mark "X" if None

2002	
Number	

**A.** Number of employees for pay period including March 12 . . . . . 0320

Mark "X" if None

2002		
\$ Mil.	Thou.	Dol.

**B.** Payroll before deductions (Exclude employer's cost for fringe benefits.)

1. Annual payroll . . . . . 0300

2. First quarter payroll (January-March, 2002). . . . . 0310



54105028

If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.

**7** LEASED EMPLOYMENT AND PAYROLL

**A.** Did this establishment have any full- or part-time leased employees whose payroll was filed under an employee leasing company's EIN?

**Exclude:**

- Temporary staffing obtained from a staffing service.
- Contractors, subcontractors, or independent contractors.
- Purchased or managed services, such as janitorial, guard, or landscape services.
- Professional or technical services purchased from another firm, such as software consulting, computer programming, engineering, or accounting services.
- Employees already reported in **6**.

For further clarification, see information sheet(s).

0241  Yes - Go to line B

0242  No - Go to **13**

Mark "X" if None

2002		
Number		

**B.** Number of leased employees for pay period including March 12. . . . . 0370

**C.** Payroll for leased employees before deductions (Exclude employer's cost for fringe benefits.)

**1.** Annual payroll for leased employees . . . . . 0350

2002		
\$ Mil.	Thou.	Dol.

**2.** First quarter payroll for leased employees (January-March, 2002) . . . . . 0360

Mark "X" if None

2002		
\$ Mil.	Thou.	Dol.

**8-17** Not Applicable.

**18** KIND OF BUSINESS OR ACTIVITY

Principal kind of business or activity in 2002  
(Mark "X" only ONE box.)

**Surveying and mapping services**

- 0700 541 370 00 13  Hydrographic surveying and mapping services
- 541 370 00 21  Land surveying and mapping services
- 541 370 00 39  Construction surveying and mapping services, including staking and layout
- 541 360 00 15  Geophysical surveying and mapping services
- 541 360 00 23  Geological surveying and mapping services
- 541 370 00 47  Aerial photogrammetry surveying and mapping services
- 541 370 00 54  Cartography/map making services
- 777 541 05 12  Other surveying and mapping services - Specify ↴

0701

CONTINUE WITH **18** ON PAGE 4

**18** KIND OF BUSINESS OR ACTIVITY - Continued

**Other kinds of activities**

- 0700 541 330 00 B0  Engineering services, including construction engineering services
- 541 310 00 16  Architectural services, excluding landscape
- 541 320 00 14  Landscape architectural services
- 541 320 00 30  Urban/city planning services
- 773 000 00 10  Other kind of business or activity - *Specify* ↴

0701

**19** CLASS OF CUSTOMER

*Estimate the percentage of receipts (reported in 4) by class of customer. Include work performed "in-house" or by others.*

		2002	
		Whole percent of receipts	
1.	Federal, state, and local governments, including public authorities (direct services only) . . . . .	3120	%
2.	Private institutions (schools, hospitals, churches, etc.) . . . . .	3121	%
3.	Construction firms . . . . .	3122	%
4.	Architectural firms . . . . .	3123	%
5.	Engineering firms . . . . .	3124	%
6.	All other business firms and organizations (manufacturing, utilities, mining, shopping centers, office buildings, theaters, other not-for-profit organizations, etc.) . . . . .	3125	%
7.	Individuals ( <i>Include fees from individually owned businesses on lines 3, 4, 5, or 6 as appropriate.</i> ) . . . . .	3100	%
8.	<b>TOTAL</b> ( <i>Sum lines 1 through 7</i> ) . . . . .	1 0 0	%

**20-21** Not Applicable.

*HOW TO REPORT PERCENTS*



If figure is **38.76%** of total sales:

**Report whole percents**

2002			
Estimates are acceptable. Report dollars OR percents.			
\$ Mil.	Thou.	Dol.	Percent
			3 9

**22** DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE

*(Report receipts by source either as a dollar figure or as a whole percent of total receipts (reported in 4). See HOW TO REPORT DOLLAR FIGURES on page 2 and HOW TO REPORT PERCENTS above. Do not combine data for two or more receipts lines.)*

**Line 1a** - Include receipts for acquiring information about the earth's surface from aircraft and spaceborne platforms. May be geospatially referenced, and in the case of aerial photography, there may have been additional processing.

**Line 1b** - Include receipts for processing the photos and images acquired from aircraft and spaceborne platforms.

**Line 1c** - Include fees for the analysis of the nature of objects whose images appear on a photograph or other imagery and the description of those objects.

**Line 1d** - Include fees for the acquisition of data and information about real property and/or the earth's surface, and the subsequent portrayal of this information in report, map or plat format.

**Line 1d(2)** - Include receipts from surveying for the purpose of determining the shape of the surface of the land and/or the location of natural and manmade features on the surface and the preparation or revision of a map indicating the elevation of the surface and slope.

CONTINUE WITH 22 ON PAGE 5

**If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.**

**22** DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

- Line 1d(3)** - Include receipts from surveying the purpose of determining the geometric dynamic characteristics of bodies of water, including the depth, temperature, or salinity of water, etc.
- Line 1d(4)** - Include receipts for surveying prior to and during construction to control elevation, horizontal location and dimensions, and configuration; to determine if the construction was adequately completed; and to obtain dimensions essential for calculating quantities used in paying for construction.
- Line 1d(5)** - Include receipts from surveying for the purpose of determining the precise horizontal and/or vertical position of points or monumented locations to provide a reference framework for further surveys. Include ground control support.
- Line 1e** - Include receipts for the preparation and revision of thematic maps, orthophoto maps, and charts.
- Line 1f** - Include receipts for the design, development, modification and customization of a geospatially-referenced information system.
- Line 1g** - Include receipts for the provision of advice concerning surveying and mapping projects. Expert Witness Testimony includes the provision of testimony by a witness who, by virtue of experience, training, skill or knowledge, is recognized as being qualified to render an informed opinion on matters relating to that field or subject.
- Line 1h** - Include receipts received from performing the conversion of geospatially-referenced data from one medium to another or the conversion of digital data from one format to another.
- Line 1i** - Include receipts for services that provide training in surveying and mapping methods and technology, the use of specialized hardware and software, and the interpretation of survey and mapping results.
- Line 2a** - Include receipts for collecting data for the purpose of characterizing subsurface conditions. Exclude the collection of borehole geophysical data.
- Line 2b** - Include receipts for the processing of data in order to facilitate interpretation. May include re-processing data or the integration of other sets of data collected by the same method. Exclude processing of borehole geophysical data.
- Line 2c** - Include receipts for the analysis of processed geophysical data to generate models and predictions about the properties and structures of the subsurface. May include integration of geophysical data collected by other methods, or additional data including non-geophysical data. Exclude analysis of borehole geophysical data.
- Line 2d** - Include receipts for services that include two or more phases of the process used to carry out geophysical surveys. Include borehole geophysical surveys.
- Line 2d(4)** - Include receipts for the collection, processing, and analysis of borehole logging surveys.
- Line 2e(1)** - Include receipts for the sale of and the brokerage of data. May include data that are available on a license basis.
- Line 2f** - Include receipts for the provision of advice concerning geophysical survey design, processing and interpreting geophysical data, expert witness services and other geophysical consulting services.
- Line 2g** - Include receipts for the management and administration of geophysical data which may include data archiving, storage, cataloguing, and building databases.
- Line 2h** - Include receipts for training in geophysical survey design, data acquisition, data processing, data interpretation and the use of equipment.
- Line 3a** - Include receipts for the provision of designs and construction documents; plans, studies and other advisory services related to the design of buildings; and construction contract administration services. Include architectural services for a design-build project that are provided on a subcontract basis.
- Line 3b** - Include receipts for the provision of designs and construction documents; plans, studies and other advisory services related to specific projects; and construction contract administration services. Include landscape architectural services for a design-build project that are provided on a sub-contract basis.

Description of sales, shipments, receipts, or revenue	Census use	2002			
		Estimates are acceptable. Report dollars OR percents.			
		\$ Mil.	Thou.	Dol.	Percent
0723	0720	0721			0722
<b>1. Receipts/revenue from providing surveying and mapping services, excluding geophysical surveying</b>					
<b>a.</b> Geospatial photo and image acquisition from aircraft and satellites . . . . .	34350				
<b>b.</b> Geospatial photo and image processing, including orthophoto, elevation and terrain modeling, aerotriangulation, photomosaics, and photogrammetric restitution . . . . .	34360				

CONTINUE WITH 22 ON PAGE 6

54105051

**22** DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Description of sales, shipments, receipts, or revenue	Cen- sus use	2002			
		Estimates are acceptable. Report dollars OR percents.			
		\$ Mil.	Thou.	Dol.	Percent
0723	0720	0721			0722
<b>1. Receipts/revenue from providing surveying and mapping services, excluding geophysical surveying - Continued</b>					
<b>c. Geospatial data interpretation . . . . .</b>	34370				
<b>d. Integrated surveying and mapping services</b>					
<b>(1) Property line surveying and mapping services, including subdivision layout and design . . . . .</b>	34381				
<b>(2) Topographic and planimetric surveying and mapping services . . . . .</b>	34382				
<b>(3) Hydrographic and bathymetric surveying and mapping services . . . . .</b>	34383				
<b>(4) Construction surveying . . . . .</b>	34384				
<b>(5) Geodetic surveying and ground control support . . . . .</b>	34385				
<b>(6) Sum lines 1d(1) through 1d(5) . . . . .</b>	34380				
<b>e. Thematic mapping, orthophoto mapping, and charting</b>					
<b>(1) Thematic mapping . . . . .</b>	34391				
<b>(2) Orthophoto mapping . . . . .</b>	34392				
<b>(3) Nautical charting . . . . .</b>	34393				
<b>(4) Aeronautical charting . . . . .</b>	34394				
<b>(5) Sum lines 1e(1) through 1e(4) . . . . .</b>	34390				
<b>f. Geographic information system development and customization . . . . .</b>	34400				
<b>g. Geospatial consulting services, including expert witness (testimony) services . . . . .</b>	34410				
<b>h. Geospatial data conversion and digitizing services . . . . .</b>	34420				
<b>i. Training services related to surveying and mapping . . . . .</b>	34430				
<b>j. Sale of geospatial products</b>					
<b>(1) Satellite images . . . . .</b>	34441				
<b>(2) Aerial photographs . . . . .</b>	34442				
<b>(3) Maps . . . . .</b>	34443				
<b>(4) Geographic information systems (GIS) software . . . . .</b>	34444				
<b>(5) Sum lines 1j(1) through 1j(4) . . . . .</b>	34440				



54105069

CONTINUE WITH **22** ON PAGE 7

If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.

**22** DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Description of sales, shipments, receipts, or revenue	Census use	2002			
		Estimates are acceptable. Report dollars OR percents.			
		\$ Mil.	Thou.	Dol.	Percent
0723	0720	0721			0722
<b>2. Receipts/revenue from geophysical surveying and mapping services</b>					
<b>a. Geophysical data acquisition</b>					
<b>(1)</b> Geophysical data acquisition by seismic methods . . . . .	34451				
<b>(2)</b> Geophysical data acquisition by non-seismic methods . . . . .	34452				
<b>(3) Sum lines 2a(1) and 2a(2)</b> . . . . .	34450				
<b>b. Geophysical data processing</b> . . . . .	34460				
<b>c. Geophysical data interpretation services</b> . . . . .	34470				
<b>d. Integrated geophysical services</b>					
<b>(1)</b> Acquiring and processing only of geophysical data . . . . .	34481				
<b>(2)</b> Processing and interpreting only of geophysical data . . . . .	34482				
<b>(3)</b> Acquiring, processing, and interpreting geophysical data . . . . .	34483				
<b>(4)</b> Geophysical borehole logging surveys . . . . .	34484				
<b>(5) Sum lines 2d(1) through 2d(4)</b> . . . . .	34480				
<b>e. Sale of geophysical products</b>					
<b>(1)</b> Sale of geophysical data . . . . .	34491				
<b>(2)</b> Sale of geophysical software . . . . .	34492				
<b>(3) Sum lines 2e(1) and 2e(2)</b> . . . . .	34490				
<b>f. Geophysical consulting services, including survey design and expert witness services</b> . . . . .	34500				
<b>g. Geophysical data management services</b> . . . . .	34510				
<b>h. Training services related to geophysical surveying</b> . . . . .	34520				
<b>i. Rental of geophysical surveying equipment</b> . . . . .	34530				
<b>j. Sale of geophysical survey equipment</b> . . . . .	34540				
<b>3. Other services</b>					
<b>a. Architectural services, excluding landscape architecture</b> . . . . .	36900				
<b>b. Landscape architectural services</b> . . . . .	36910				
<b>c. Engineering services</b> . . . . .	36920				

CONTINUE WITH 22 ON PAGE 8

CONTINUE ON PAGE 8

54105077

**22** DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Description of sales, shipments, receipts, or revenue	Cen- sus use	2002			
		Estimates are acceptable. Report dollars OR percents.			
		\$ Mil.	Thou.	Dol.	Percent
0723	0720	0721			0722
<b>3. Other services - Continued</b>					
<b>d.</b> Research and development services . . . . .	36950				
<b>e.</b> Sale of other merchandise - <i>Specify</i> ↴  	39047				
<b>f.</b> All other operating receipts - <i>Specify if more than 10 percent of total receipts</i> ↴  	39543				
<b>4. TOTAL OPERATING RECEIPTS - Sum of lines should equal 4 if reporting in dollars</b> . . . . .	39690				1 0 0

**23-24** Not Applicable.

**25** EXPORTED SERVICES

**NOTE** - An exported service is a service performed for a customer or client (individual, government, business establishment, etc.) located **outside** the United States (i.e., outside the 50 States, District of Columbia, U.S. Commonwealth Territories, or U.S. possessions). Services performed for unaffiliated and affiliated foreign firms (i.e., foreign parent firms, subsidiaries, branches, etc.) are included. Services provided to domestic subsidiaries of foreign firms are excluded.

**A.** Did the receipts or revenue (reported in 4) include any amounts for exported services?

0911  Yes - Go to line B

0912  No

2002		
\$ Mil.	Thou.	Dol.

**B.** Amount of receipts or revenue for exported services . . . . . 0914

**26** SPECIAL INQUIRIES

**A. SUPPORT SERVICES**

Was this establishment primarily engaged in providing management, administrative, or support services to other establishments of the same company (rather than for the general public or other business firms) in 2002?

0998  Yes

0999  No

CONTINUE WITH 26 ON PAGE 9



54105085



If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.

**26** SPECIAL INQUIRIES - Continued

**B. PERSONNEL BY OCCUPATION**

Enter employment reported on IRS Form 941, Employer's Quarterly Federal Tax Return, by occupational category in column 1. The total of column 1 should equal the amount reported in **6**, line A.

Enter leased employees whose payroll is filed under an employee leasing company's EIN by occupational category in column 2. The total of column 2 should equal the amount reported in **7**, line B.

Enter each active proprietor or partner by occupational category in column 3. Only the proprietor or partners **not** considered employees of the firm for federal tax purposes should be included. Unincorporated businesses operating at more than one location should report the proprietor or partners at the one location at which they spend most of their working time.

Enter each employee, proprietor, or partner on **one** line only. Include personnel with multiple licenses or registrations on the line which best describes the **primary** nature of their work.

	Cen- sus use	Number of employees for pay period including March 12, 2002	Cen- sus use	Number of leased employees for pay period including March 12, 2002	Cen- sus use	Number of active proprietors or partners for pay period including March 12, 2002
1. Licensed or registered architects . . .	3241		3458		3291	
2. Licensed or registered engineers . . .	3242		3459		3292	
3. Licensed or registered surveyors . . .	3243		3460		3293	
4. Certified engineering technicians . . .	3244		3461		3294	
5. Computer programmers . . . . .	3201		3455		3261	
6. Systems engineers . . . . .	3202		3456		3262	
7. Other computer-related personnel . . .	3203		3457		3263	
8. Other technically-trained personnel . . .	3245		3468		3295	
9. All other personnel . . . . .	3246		3469		3296	
<b>10. TOTAL</b> (Sum of lines 1 through 9 should equal <b>6</b> , line A for column 1 and <b>7</b> , line B for column 2) . . . . .	3200		3450		3260	

**27-28** Not Applicable.

**29** OPERATIONAL STATUS

Activity that best describes this establishment's status at the end of 2002

(Mark "X" only ONE box.)

0011 <input type="checkbox"/> In operation	0014 <input type="checkbox"/> Ceased operation - Give date at right	→	0018	Month	Day	Year
0013 <input type="checkbox"/> Temporarily or seasonally inactive	0015 <input type="checkbox"/> Sold or leased to another operator - Give date at right AND enter new name and mailing address below ↴	→				

0060 Name of new owner or operator	0061 Employer Identification Number				
	Enter EIN of new owner (9 digits) →			-	
0062 Mailing address (number and street, P.O. Box, etc.)					
0063 City, town, village, etc.			0064 State	0065 ZIP Code	

54105093

Remarks (Please use this space for any explanations that may be essential in understanding your reported data.)

**30** CERTIFICATION - This report is substantially accurate and was prepared in accordance with the instructions.

Is the time period covered by this report a calendar year?

0078  Yes      0079  No - Enter time period covered →

FROM 0070	Month	Year	TO 0071	Month	Year

0072 Name of person to contact regarding this report	0073 Title

Telephone 0074	Area code	Number		Extension	Fax 0075	Area code	Number	
		-					-	

0076 Internet e-mail address	Date completed 0069	Month	Day	Year

**Thank you for completing your 2002 Economic Census form.**  
**PLEASE PHOTOCOPY THIS FORM FOR YOUR RECORDS AND RETURN THE ORIGINAL.**



54105101