

# Tennessee: 2002

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## 2002 Economic Census

*Construction*

Geographic Area Series



U S C E N S U S B U R E A U

*Helping You Make Informed Decisions*

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



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-- Not applicable for this report.

**Table 1. Employment Statistics for Establishments by State: 2002**

[Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Industry	Number of establishments	Number of employees		Number of construction workers in				Payroll (thousand dollars)		Relative standard error of estimate (percent) for column—
			Total	Construction workers	March	May	August	November	Total	Construction workers	
			A	B	C	D	E	F	G	H	
<b>TENNESSEE</b>											
<b>23</b>	<b>Construction .....</b>	<b>10 570</b>	<b>123 972</b>	<b>92 826</b>	<b>91 034</b>	<b>92 792</b>	<b>94 828</b>	<b>92 651</b>	<b>4 192 945</b>	<b>2 873 378</b>	<b>2</b>
236	Construction of buildings .....	3 008	28 765	19 199	19 294	19 372	19 548	18 583	1 055 519	608 043	4
2361	Residential building construction ..	2 219	11 676	7 646	7 847	7 783	7 665	7 289	417 544	252 650	7
23611	Residential building construction ..	2 219	11 676	7 646	7 847	7 783	7 665	7 289	417 544	252 650	7
236115	New single-family housing construction (except operative builders) .....	823	3 968	2 715	2 772	2 781	2 701	2 604	109 705	69 934	11
236116	New multifamily housing construction (except operative builders) .....	20	347	234	259	234	240	203	14 402	8 694	1
236117	New housing operative builders .....	533	3 831	2 492	2 598	2 463	2 494	2 412	189 664	\$119 882	17
236118	Residential remodelers .....	842	3 530	2 206	2 217	2 305	2 231	2 070	103 773	54 141	9
2362	Nonresidential building construction .....	789	17 089	11 553	11 448	11 589	11 883	11 294	637 975	355 392	4
23621	Industrial building construction ..	26	1 325	922	844	877	1 018	951	55 248	29 906	4
236210	Industrial building construction ..	26	1 325	922	844	877	1 018	951	55 248	29 906	4
23622	Commercial and institutional building construction .....	763	15 764	10 631	10 604	10 712	10 865	10 343	582 727	325 486	5
236220	Commercial and institutional building construction .....	763	15 764	10 631	10 604	10 712	10 865	10 343	582 727	325 486	5
237	Heavy and civil engineering construction .....	977	24 338	19 301	19 005	19 064	19 380	19 754	945 218	708 910	4
2371	Utility system construction .....	333	10 287	8 290	8 531	7 571	8 090	8 970	483 845	378 480	3
23711	Water and sewer line and related structures construction .....	184	3 418	2 708	2 700	2 734	2 740	2 658	114 833	79 049	9
237110	Water and sewer line and related structures construction .....	184	3 418	2 708	2 700	2 734	2 740	2 658	114 833	79 049	9
23712	Oil and gas pipeline and related structures construction .....	12	266	222	235	228	226	199	8 724	6 869	9
237120	Oil and gas pipeline and related structures construction .....	12	266	222	235	228	226	199	8 724	6 869	9
23713	Power and communication line and related structures construction .....	137	6 603	5 360	5 597	4 609	5 124	6 112	360 289	292 561	2
237130	Power and communication line and related structures construction .....	137	6 603	5 360	5 597	4 609	5 124	6 112	360 289	292 561	2
2372	Land subdivision .....	194	1 390	593	594	668	561	550	49 822	17 334	13
23721	Land subdivision .....	194	1 390	593	594	668	561	550	49 822	17 334	13
237210	Land subdivision .....	194	1 390	593	594	668	561	550	49 822	17 334	13
2373	Highway, street, and bridge construction .....	235	10 038	8 334	7 737	8 656	8 668	8 277	326 550	250 486	4
23731	Highway, street, and bridge construction .....	235	10 038	8 334	7 737	8 656	8 668	8 277	326 550	250 486	4
237310	Highway, street, and bridge construction .....	235	10 038	8 334	7 737	8 656	8 668	8 277	326 550	250 486	4
2379	Other heavy and civil engineering construction .....	216	2 623	2 083	2 143	2 168	2 062	1 957	85 001	62 610	27
23799	Other heavy and civil engineering construction .....	216	2 623	2 083	2 143	2 168	2 062	1 957	85 001	62 610	27
237990	Other heavy and civil engineering construction ..	216	2 623	2 083	2 143	2 168	2 062	1 957	85 001	62 610	27
238	Specialty trade contractors .....	6 585	70 869	54 326	52 735	54 356	55 899	54 313	2 192 208	1 556 425	2
2381	Foundation, structure, and building exterior contractors .....	1 743	15 596	12 487	12 054	12 473	12 714	12 706	431 323	308 111	6
23811	Poured concrete foundation and structure contractors .....	427	3 443	2 942	2 736	3 021	3 089	2 923	95 057	72 265	9
238110	Poured concrete foundation and structure contractors ..	427	3 443	2 942	2 736	3 021	3 089	2 923	95 057	72 265	9
23812	Structural steel and precast concrete contractors .....	\$67	1 280	1 022	958	952	963	1 216	41 253	31 377	19
238120	Structural steel and precast concrete contractors .....	\$67	1 280	1 022	958	952	963	1 216	41 253	31 377	19
23813	Framing contractors .....	200	1 031	833	780	932	864	755	18 275	14 299	23
238130	Framing contractors .....	200	1 031	833	780	932	864	755	18 275	14 299	23
23814	Masonry contractors .....	436	4 440	3 627	3 550	3 485	3 700	3 771	115 467	88 918	13
238140	Masonry contractors .....	436	4 440	3 627	3 550	3 485	3 700	3 771	115 467	88 918	13
23815	Glass and glazing contractors ..	\$74	587	401	389	418	400	395	18 937	12 288	15
238150	Glass and glazing contractors .....	\$74	587	401	389	418	400	395	18 937	12 288	15
23816	Roofing contractors .....	420	3 465	2 704	2 680	2 647	2 728	2 761	101 305	64 302	12
238160	Roofing contractors .....	420	3 465	2 704	2 680	2 647	2 728	2 761	101 305	64 302	12
23817	Siding contractors .....	101	891	637	654	708	648	538	24 775	15 262	20
238170	Siding contractors .....	101	891	637	654	708	648	538	24 775	15 262	20

See footnotes at end of table.

**Table 1. Employment Statistics for Establishments by State: 2002—Con.**

[Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Industry	Number of establishments	Number of employees		Number of construction workers in				Payroll (thousand dollars)		Relative standard error of estimate (percent) for column—
			Total	Construction workers	March	May	August	November	Total	Construction workers	
			A	B	C	D	E	F	G	H	
<b>TENNESSEE—Con.</b>											
<b>23</b>	<b>Construction—Con.</b>										
238	Specialty trade contractors—Con.										
2381	Foundation, structure, and building exterior contractors—Con.										
23819	Other foundation, structure, and building exterior contractors...	17	460	321	307	309	321	347	16 254	9 400	1
238190	Other foundation, structure, and building exterior contractors .....	17	460	321	307	309	321	347	16 254	9 400	1
2382	Building equipment contractors ...	2 406	37 067	27 924	27 376	27 885	28 474	27 964	1 251 927	902 282	2
23821	Electrical Contractors .....	895	15 020	11 905	11 528	11 851	12 237	12 006	511 483	378 272	5
238210	Electrical Contractors .....	895	15 020	11 905	11 528	11 851	12 237	12 006	511 483	378 272	5
23822	Plumbing, heating, and air-conditioning contractors .....	1 370	19 547	14 275	13 999	14 268	14 493	14 339	641 092	459 475	2
238220	Plumbing, heating, and air-conditioning contractors .....	1 370	19 547	14 275	13 999	14 268	14 493	14 339	641 092	459 475	2
23829	Other building equipment contractors .....	141	2 499	1 745	1 849	1 766	1 743	1 620	99 352	64 535	9
238290	Other building equipment contractors .....	141	2 499	1 745	1 849	1 766	1 743	1 620	99 352	64 535	9
2383	Building finishing contractors .....	1 356	10 061	7 825	7 602	7 793	8 228	7 675	274 313	186 632	7
23831	Drywall and insulation contractors .....	273	4 107	3 442	3 345	3 385	3 652	3 385	123 763	86 240	11
238310	Drywall and insulation contractors .....	273	4 107	3 442	3 345	3 385	3 652	3 385	123 763	86 240	11
23832	Painting and wall covering contractors .....	426	2 797	2 161	2 186	2 140	2 269	2 050	62 715	45 942	13
238320	Painting and wall covering contractors .....	426	2 797	2 161	2 186	2 140	2 269	2 050	62 715	45 942	13
23833	Flooring contractors .....	76	506	367	318	361	402	386	14 633	8 990	13
238330	Flooring contractors .....	76	506	367	318	361	402	386	14 633	8 990	13
23834	Tile and terrazzo contractors .....	84	665	469	460	493	466	458	20 556	11 686	27
238340	Tile and terrazzo contractors .....	84	665	469	460	493	466	458	20 556	11 686	27
23835	Finish carpentry contractors .....	448	1 501	1 018	921	1 029	1 089	1 034	37 154	23 253	13
238350	Finish carpentry contractors .....	448	1 501	1 018	921	1 029	1 089	1 034	37 154	23 253	13
23839	Other building finishing contractors .....	<sup>s</sup> 49	485	367	373	384	351	362	15 493	10 521	20
238390	Other building finishing contractors .....	<sup>s</sup> 49	485	367	373	384	351	362	15 493	10 521	20
2389	Other specialty trade contractors .....	1 080	8 145	6 090	5 703	6 206	6 483	5 968	234 645	159 399	8
23891	Site preparation contractors .....	676	4 958	3 829	3 657	3 876	4 028	3 754	143 859	100 286	9
238910	Site preparation contractors .....	676	4 958	3 829	3 657	3 876	4 028	3 754	143 859	100 286	9
23899	All other specialty trade contractors .....	405	3 187	2 261	2 046	2 330	2 455	2 214	90 785	59 112	15
238990	All other specialty trade contractors .....	405	3 187	2 261	2 046	2 330	2 455	2 214	90 785	59 112	15

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 2. General Statistics for Establishments by State: 2002**

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Industry	E <sup>1</sup>	Value of business done <sup>2</sup>	Value of construction work <sup>2</sup>	Net value of construction work	Value added	Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted out to others	Total rental costs	Capital expenditures, except land	Gross book value of depreciable assets, end-of-year
<b>TENNESSEE</b>											
<b>23</b>	<b>Construction .....</b>	<b>1</b>	<b>19 761 128</b>	<b>19 588 060</b>	<b>14 371 793</b>	<b>9 197 180</b>	<b>5 347 681</b>	<b>5 216 267</b>	<b>271 542</b>	<b>376 585</b>	<b>3 126 705</b>
236	Construction of buildings .....	1	8 571 369	8 523 910	4 704 336	2 909 150	1 842 644	3 819 574	67 234	59 378	493 711
2361	Residential building construction ..	2	3 191 591	3 173 248	2 187 928	1 167 158	1 039 114	985 320	18 177	30 113	213 981
23611	Residential building construction .....	2	3 191 591	3 173 248	2 187 928	1 167 158	1 039 114	985 320	18 177	30 113	213 981
236115	New single-family housing construction (except operative builders) .....	3	689 855	686 823	477 769	246 353	234 449	209 053	5 520	7 493	51 534
236116	New multifamily housing construction (except operative builders) .....	-	140 460	139 551	59 114	32 946	27 077	80 438	1 019	736	5 156
236117	New housing operative builders .....	1	1 766 790	1 756 998	1 264 703	650 723	623 773	492 294	5 546	15 294	115 255
236118	Residential remodelers .....	3	594 487	589 876	386 342	237 137	153 815	203 535	6 092	6 590	42 036
2362	Nonresidential building construction .....	1	5 379 777	5 350 662	2 516 408	1 741 993	803 531	2 834 254	49 057	29 266	279 730
23621	Industrial building construction ..	-	351 157	D	D	116 123	58 366	176 668	4 291	3 067	48 743
236210	Industrial building construction .....	-	351 157	D	D	116 123	58 366	176 668	4 291	3 067	48 743
23622	Commercial and institutional building construction .....	1	5 028 621	D	D	1 625 870	745 164	2 657 587	44 766	26 199	230 987
236220	Commercial and institutional building construction .....	1	5 028 621	D	D	1 625 870	745 164	2 657 587	44 766	26 199	230 987
237	Heavy and civil engineering construction .....	-	3 888 000	3 839 008	3 105 606	2 085 205	1 069 392	733 403	62 967	124 124	1 161 457
2371	Utility system construction .....	1	1 239 770	1 224 677	1 064 708	835 580	244 220	159 969	22 758	29 096	305 777
23711	Water and sewer line and related structures construction .....	2	D	D	D	D	D	D	15 033	21 046	178 307
237110	Water and sewer line and related structures construction .....	2	D	D	D	D	D	D	15 033	21 046	178 307
23712	Oil and gas pipeline and related structures construction .....	1	D	D	D	D	D	D	492	814	11 562
237120	Oil and gas pipeline and related structures construction .....	1	D	D	D	D	D	D	492	814	11 562
23713	Power and communication line and related structures construction .....	-	D	D	609 390	561 724	D	D	7 233	7 235	115 908
237130	Power and communication line and related structures construction .....	-	D	D	609 390	561 724	D	D	7 233	7 235	115 908
2372	Land subdivision .....	3	275 182	269 182	196 737	147 733	55 004	72 446	<sup>\$4</sup> 477	8 147	42 479
23721	Land subdivision .....	3	275 182	269 182	196 737	147 733	55 004	72 446	<sup>\$4</sup> 477	8 147	42 479
237210	Land subdivision .....	3	275 182	269 182	196 737	147 733	55 004	72 446	<sup>\$4</sup> 477	8 147	42 479
2373	Highway, street, and bridge construction .....	-	2 045 781	2 033 821	1 598 726	953 967	656 719	435 095	27 636	73 207	673 164
23731	Highway, street, and bridge construction .....	-	2 045 781	2 033 821	1 598 726	953 967	656 719	435 095	27 636	73 207	673 164
237310	Highway, street, and bridge construction .....	-	2 045 781	2 033 821	1 598 726	953 967	656 719	435 095	27 636	73 207	673 164
2379	Other heavy and civil engineering construction .....	-	327 266	311 328	245 435	147 924	113 449	65 893	8 095	13 674	140 037
23799	Other heavy and civil engineering construction .....	-	327 266	311 328	245 435	147 924	113 449	65 893	8 095	13 674	140 037
237990	Other heavy and civil engineering construction .....	-	327 266	311 328	245 435	147 924	113 449	65 893	8 095	13 674	140 037
238	Specialty trade contractors .....	1	7 301 760	7 225 142	6 561 852	4 202 825	2 435 645	663 290	141 341	193 082	1 471 537
2381	Foundation, structure, and building exterior contractors .....	1	1 440 188	1 427 360	1 321 406	853 596	480 638	105 955	30 205	38 513	281 533
23811	Poured concrete foundation and structure contractors .....	2	390 501	387 225	356 947	222 106	138 117	30 278	7 645	12 929	69 100
238110	Poured concrete foundation and structure contractors ..	2	390 501	387 225	356 947	222 106	138 117	30 278	7 645	12 929	69 100
23812	Structural steel and precast concrete contractors .....	-	118 016	D	D	88 657	D	D	6 258	4 850	36 610
238120	Structural steel and precast concrete contractors .....	-	118 016	D	D	88 657	D	D	6 258	4 850	36 610
23813	Framing contractors .....	-	79 321	79 321	65 417	42 519	22 898	<sup>\$13</sup> 904	705	885	7 893
238130	Framing contractors .....	-	79 321	79 321	65 417	42 519	22 898	<sup>\$13</sup> 904	705	885	7 893
23814	Masonry contractors .....	-	288 167	D	272 828	202 255	D	D	5 690	5 519	57 869
238140	Masonry contractors .....	-	288 167	D	272 828	202 255	D	D	5 690	5 519	57 869
23815	Glass and glazing contractors ..	-	D	D	58 579	33 896	28 373	D	1 319	1 592	21 239
238150	Glass and glazing contractors .....	-	D	D	58 579	33 896	28 373	D	1 319	1 592	21 239
23816	Roofing contractors .....	3	376 460	374 108	347 045	192 946	156 452	27 062	5 864	11 176	68 204
238160	Roofing contractors .....	3	376 460	374 108	347 045	192 946	156 452	27 062	5 864	11 176	68 204
23817	Siding contractors .....	1	78 091	77 806	72 557	42 033	30 808	5 249	1 235	917	9 501
238170	Siding contractors .....	1	78 091	77 806	72 557	42 033	30 808	5 249	1 235	917	9 501
23819	Other foundation, structure, and building exterior contractors ..	-	D	D	D	29 184	D	D	1 489	646	11 118
238190	Other foundation, structure, and building exterior contractors .....	-	D	D	D	29 184	D	D	1 489	646	11 118

See footnotes at end of table.

**Table 2. General Statistics for Establishments by State: 2002—Con.**

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Industry	E <sup>1</sup>	Value of business done <sup>2</sup>	Value of construction work <sup>2</sup>	Net value of construction work	Value added	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Total rental costs	Capital expenditures, except land	Gross book value of depreciable assets, end-of-year
<b>TENNESSEE—Con.</b>											
<b>23</b>	<b>Construction—Con.</b>										
238	Specialty trade contractors—Con.										
2382	Building equipment contractors . . .	1	4 061 329	4 031 302	3 698 504	2 324 917	1 403 615	332 798	67 082	88 992	586 550
23821	Electrical Contractors . . . . .	1	1 394 147	1 386 094	1 314 690	859 524	463 219	71 404	22 458	19 673	177 559
238210	Electrical Contractors . . . . .	1	1 394 147	1 386 094	1 314 690	859 524	463 219	71 404	22 458	19 673	177 559
23822	Plumbing, heating, and air-conditioning contractors . . . . .	1	2 301 759	2 292 875	2 091 127	1 253 585	846 426	201 748	36 992	52 267	316 186
238220	Plumbing, heating, and air-conditioning contractors . . . . .	1	2 301 759	2 292 875	2 091 127	1 253 585	846 426	201 748	36 992	52 267	316 186
23829	Other building equipment contractors . . . . .	1	365 423	352 332	292 686	211 807	93 970	\$59 646	7 631	17 051	92 806
238290	Other building equipment contractors . . . . .	1	365 423	352 332	292 686	211 807	93 970	\$59 646	7 631	17 051	92 806
2383	Building finishing contractors . . . . .	2	890 208	877 444	773 271	495 961	290 075	104 172	14 006	14 543	125 895
23831	Drywall and insulation contractors . . . . .	2	373 097	372 819	319 905	201 195	118 988	52 913	5 760	5 235	36 575
238310	Drywall and insulation contractors . . . . .	2	373 097	372 819	319 905	201 195	118 988	52 913	5 760	5 235	36 575
23832	Painting and wall covering contractors . . . . .	2	172 605	170 254	158 771	119 111	42 011	11 483	3 144	4 852	40 258
238320	Painting and wall covering contractors . . . . .	2	172 605	170 254	158 771	119 111	42 011	11 483	3 144	4 852	40 258
23833	Flooring contractors . . . . .	2	71 855	D	56 668	29 079	D	D	1 329	727	8 492
238330	Flooring contractors . . . . .	2	71 855	D	56 668	29 079	D	D	1 329	727	8 492
23834	Tile and terrazzo contractors . . . . .	1	46 419	D	D	25 231	D	D	474	799	6 040
238340	Tile and terrazzo contractors . . . . .	1	46 419	D	D	25 231	D	D	474	799	6 040
23835	Finish carpentry contractors . . . . .	1	185 274	D	153 732	96 034	D	D	2 352	2 011	24 674
238350	Finish carpentry contractors . . . . .	1	185 274	D	153 732	96 034	D	D	2 352	2 011	24 674
23839	Other building finishing contractors . . . . .	—	40 959	D	D	25 310	D	D	947	918	9 855
238390	Other building finishing contractors . . . . .	—	40 959	D	D	25 310	D	D	947	918	9 855
2389	Other specialty trade contractors . . . . .	2	910 034	889 036	768 671	528 351	261 317	120 366	30 048	51 035	477 559
23891	Site preparation contractors . . . . .	2	524 935	514 453	443 730	322 824	131 388	70 723	23 927	37 227	333 207
238910	Site preparation contractors . . . . .	2	524 935	514 453	443 730	322 824	131 388	70 723	23 927	37 227	333 207
23899	All other specialty trade contractors . . . . .	2	385 099	374 583	324 941	205 527	129 929	49 643	6 120	13 809	144 352
238990	All other specialty trade contractors . . . . .	2	385 099	374 583	324 941	205 527	129 929	49 643	6 120	13 809	144 352

<sup>1</sup>Construction receipts were obtained from census respondent forms. Data for establishments whose respondent forms were not received at the time data were tabulated were calculated using industry averages and imputation for nonresponse. The following symbols are shown where estimated imputation-based data on construction receipts account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

<sup>2</sup>For the 2002 Economic Census, the definitions of value of business done and value of construction work have been modified from the 1997 Economic Census definitions. See Appendix A for the modified definitions.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 3. Detailed Statistics for Establishments: 2002**

[Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Item	Value	Relative standard error of estimate (percent)
<b>TENNESSEE</b>		
All establishments . . . . . number..	10 570	3
All employees . . . . . number..	123 972	2
Construction workers in March . . . . . number..	91 034	2
Construction workers in May . . . . . number..	92 792	2
Construction workers in August . . . . . number..	94 828	2
Construction workers in November . . . . . number..	92 651	2
Average number of construction workers . . . . . number..	92 826	2
Other employees in March . . . . . number..	32 129	2
Other employees in May . . . . . number..	30 439	2
Other employees in August . . . . . number..	30 661	2
Other employees in November . . . . . number..	31 353	2
Average number of other employees . . . . . number..	31 146	2
Total payroll . . . . . \$1,000..	4 192 945	2
Construction workers . . . . . \$1,000..	2 873 378	3
Other employees . . . . . \$1,000..	1 319 567	1
First-quarter payroll, all employees . . . . . \$1,000..	965 134	1
Fringe benefits, all employees . . . . . \$1,000..	873 684	2
Legally required expenditures . . . . . \$1,000..	536 128	2
Voluntary expenditures . . . . . \$1,000..	337 556	1
Value of business done <sup>1</sup> . . . . . \$1,000..	19 761 128	2
Value of construction work <sup>1</sup> . . . . . \$1,000..	19 588 060	2
Value of construction work on government owned projects . . . . . \$1,000..	5 615 816	2
Value of construction work on federally owned projects . . . . . \$1,000..	1 412 140	2
Value of construction work on state and locally owned projects . . . . . \$1,000..	4 203 676	2
Value of construction work on privately owned projects . . . . . \$1,000..	13 972 244	3
Other business receipts . . . . . \$1,000..	173 068	5
Value of construction work subcontracted in from others . . . . . \$1,000..	6 482 567	2
Net value of construction work . . . . . \$1,000..	14 371 793	2
Value added . . . . . \$1,000..	9 197 180	3
Selected costs . . . . . \$1,000..	10 563 948	2
Materials, parts, and supplies . . . . . \$1,000..	5 078 722	2
Construction work subcontracted out to others . . . . . \$1,000..	5 216 267	2
Selected power, fuels, and lubricants . . . . . \$1,000..	268 959	3
Purchased electricity . . . . . \$1,000..	42 623	3
Natural gas and manufactured gas . . . . . \$1,000..	15 944	4
Gasoline and diesel fuel . . . . . \$1,000..	194 960	4
On-highway use of gasoline and diesel fuel . . . . . \$1,000..	125 329	3
Off-highway use of gasoline and diesel fuel . . . . . \$1,000..	69 631	8
All other fuels and lubricants . . . . . \$1,000..	15 432	5
Total rental costs . . . . . \$1,000..	271 542	2
Machinery and equipment . . . . . \$1,000..	178 488	3
Buildings . . . . . \$1,000..	93 054	3
Selected purchased services . . . . . \$1,000..	538 077	4
Communication services . . . . . \$1,000..	161 522	4
Repairs to buildings and other structures . . . . . \$1,000..	83 015	2
Repairs to machinery and equipment . . . . . \$1,000..	147 032	3
Legal services . . . . . \$1,000..	23 258	6
Accounting, auditing, and bookkeeping services . . . . . \$1,000..	70 900	19
Advertising and promotional services . . . . . \$1,000..	52 349	6
Beginning-of-year gross book value of depreciable assets . . . . . \$1,000..	2 887 102	2
Capital expenditures, other than land . . . . . \$1,000..	376 585	3
Retirements and disposition of depreciable assets . . . . . \$1,000..	136 982	2
End-of-year gross book value of depreciable assets . . . . . \$1,000..	3 126 705	2
Depreciation charges during year . . . . . \$1,000..	323 951	2
Establishments with inventories . . . . . number..	1 915	—
Value of construction work for establishments with inventories . . . . . \$1,000..	5 334 211	—
End-of-2002, inventories of materials and supplies . . . . . \$1,000..	299 455	19
End-of-2001, inventories of materials and supplies . . . . . \$1,000..	272 153	29
Establishments with no inventories . . . . . number..	7 857	—
Value of construction work for establishments with no inventories . . . . . \$1,000..	13 519 859	—
Establishments not reporting inventories . . . . . number..	798	—
Value of construction work for establishments not reporting inventores . . . . . \$1,000..	733 990	—

<sup>1</sup>For the 2002 Economic Census, the definitions of value of business done and value of construction work have been modified from the 1997 Economic Census definitions. See Appendix A for the modified definitions.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 4. Selected Statistics for Establishments by Employment Size Class: 2002**

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Employment size class	E <sup>1</sup>	Number of establishments	Total number of employees	Total payroll	Value of business done <sup>2</sup>	Value of construction work <sup>2</sup>	Net value of construction work	Value added	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Relative standard error of estimate (percent) for column—
	A	B	C	D	E	F	G	H	I	J	C
<b>TENNESSEE</b>											
All establishments .....	1	10 570	123 972	4 192 945	19 761 128	19 588 060	14 371 793	9 197 180	5 347 681	5 216 267	2
Establishments with—											
1 to 4 employees .....	3	5 837	12 379	253 401	1 758 575	1 744 213	1 306 011	789 137	531 236	438 203	6
5 to 9 employees .....	2	2 166	13 653	368 816	1 700 953	1 681 944	1 341 300	803 308	557 001	340 644	7
10 to 19 employees .....	2	1 269	17 187	541 739	2 378 058	2 360 509	1 765 638	1 109 908	673 279	594 871	6
20 to 49 employees .....	1	873	26 181	938 326	4 004 339	3 965 387	3 001 893	1 898 565	1 142 280	963 494	4
50 to 99 employees .....	—	279	19 048	714 466	3 389 378	3 357 035	2 318 645	1 456 168	894 820	1 038 390	4
100 to 249 employees .....	—	110	16 903	654 487	3 193 225	3 150 721	2 079 916	1 341 448	780 972	1 070 805	2
250 to 499 employees .....	—	27	9 360	313 152	2 177 391	2 172 520	1 632 231	1 104 690	532 412	540 289	—
500 to 999 employees .....	—	7	5 123	143 829	589 525	586 046	D	304 322	D	D	—
1,000 employees or more .....	—	3	4 139	264 729	569 685	569 685	D	389 634	D	D	—

<sup>1</sup>Construction receipts were obtained from census respondent forms. Data for establishments whose respondent forms were not received at the time data were tabulated were calculated using industry averages and imputation for nonresponse. The following symbols are shown where estimated imputation-based data on construction receipts account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

<sup>2</sup>For the 2002 Economic Census, the definitions of value of business done and value of construction work have been modified from the 1997 Economic Census definitions. See Appendix A for the modified definitions.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.



**Table 5. Selected Statistics for Establishments by Dollar Value of Business Done Size Class: 2002**

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Dollar value size class	E <sup>1</sup>	Number of establishments	Total number of employees	Total payroll	Value of business done <sup>2</sup>	Value of construction work <sup>2</sup>	Net value of construction work	Value added	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Relative standard error of estimate (percent) for column—
	A	B	C	D	E	F	G	H	I	J	G
<b>TENNESSEE</b>											
All establishments .....	1	10 570	123 972	4 192 945	19 761 128	19 588 060	14 371 793	9 197 180	5 347 681	5 216 267	2
Establishments with value of business done—											
Less than \$25,000 .....	2	S	S	<sup>9</sup> 903	<sup>2</sup> 202	<sup>2</sup> 202	<sup>2</sup> 114	<sup>1</sup> 325	<sup>7</sup> 88	<sup>8</sup> 9	<sup>4</sup> 0
\$25,000 to \$49,999 .....	3	S	S	6 697	18 771	18 771	16 306	11 274	5 032	2 465	19
\$50,000 to \$99,999 .....	5	1 117	1 816	24 283	82 736	81 507	70 423	45 701	25 951	11 084	13
\$100,000 to \$249,999 .....	4	2 578	6 756	120 189	449 272	447 762	391 620	258 759	134 371	56 143	8
\$250,000 to \$499,999 .....	3	1 645	8 133	173 050	594 563	591 200	518 414	349 550	172 227	72 786	9
\$500,000 to \$999,999 .....	2	1 784	12 501	332 662	1 225 631	1 205 945	999 398	652 242	366 842	206 547	8
\$1,000,000 to \$2,499,999 .....	2	1 472	18 846	573 052	2 196 774	2 174 087	1 776 395	1 127 306	671 776	397 692	6
\$2,500,000 to \$4,999,999 .....	2	656	16 397	561 052	2 225 401	2 207 449	1 751 850	1 067 347	702 454	455 599	5
\$5,000,000 to \$9,999,999 .....	—	333	15 290	576 068	2 340 341	2 316 417	1 820 596	1 116 897	727 623	495 821	4
\$10,000,000 or more .....	—	345	43 522	1 824 990	10 625 438	10 542 720	7 024 678	4 566 780	2 540 616	3 518 042	4

<sup>1</sup>Construction receipts were obtained from census respondent forms. Data for establishments whose respondent forms were not received at the time data were tabulated were calculated using industry averages and imputation for nonresponse. The following symbols are shown where estimated imputation-based data on construction receipts account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

<sup>2</sup>For the 2002 Economic Census, the definitions of value of business done and value of construction work have been modified from the 1997 Economic Census definitions. See Appendix A for the modified definitions.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 6. **Value of Construction Work for Establishments by Geographic Location of Construction Work: 2002**

[Thousand dollars unless otherwise noted. This table presents selected statistics for establishments according to the geographic location of construction work. Data are not shown for those geographic locations in which construction work is relatively insignificant. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Geographic location of construction work	Value of construction work <sup>1</sup>	Relative standard error of estimate (percent)
<b>TENNESSEE</b>		
Total .....	19 588 060	2
Construction work done in Alabama .....	228 069	2
Construction work done in Arkansas .....	311 980	3
Construction work done in Florida .....	259 523	7
Construction work done in Georgia .....	339 521	2
Construction work done in Kentucky .....	267 689	6
Construction work done in Mississippi .....	398 554	2
Construction work done in North Carolina .....	435 692	1
Construction work done in South Carolina .....	138 998	1
Construction work done in Tennessee .....	16 060 856	2
Construction work done in Texas .....	220 904	3
Construction work done in Virginia .....	210 288	4

<sup>1</sup>For the 2002 Economic Census, the definition of value of construction work has been modified from the 1997 Economic Census definition. See Appendix A for the modified definition.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 7. Value of Construction Work for Establishments by Type of Construction: 2002**

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Type of construction	Value of construction work <sup>1</sup>				Relative standard error of estimate (percent) for column—			
	Total	New construction	Additions, alterations, or reconstruction	Maintenance and repair	A	B	C	D
	A	B	C	D	A	B	C	D
<b>TENNESSEE</b>								
Total .....	19 588 060	12 931 706	4 252 327	2 404 027	2	3	2	2
Building construction, total .....	14 420 956	9 625 143	3 150 669	1 645 144	2	3	2	3
Single-family houses, detached and attached .....	4 723 443	3 427 015	685 316	611 112	7	10	9	7
Single-family houses, detached .....	4 338 772	3 165 037	611 072	562 663	8	10	10	7
Single-family houses, attached .....	384 671	261 978	74 243	48 449	8	8	20	12
Apartment buildings (2 or more units), such as rentals, apartment type condominiums and cooperatives .....	418 180	288 449	68 914	60 817	3	3	14	6
Manufacturing and industrial warehouses .....	704 642	381 545	160 882	162 215	3	4	4	4
Other manufacturing and light industrial buildings, such as factories, assembly plants, and industrial research laboratories .....	964 366	549 225	227 803	187 339	2	2	3	3
Hotels, motels, and tourist cabins .....	454 466	290 717	124 506	39 243	4	5	5	8
Office buildings .....	1 199 566	669 669	369 523	160 374	3	4	5	4
Stores, restaurants, and automobile service stations, and other commercial buildings .....	1 759 230	1 187 575	393 954	177 700	3	3	6	6
Commercial warehouses such as distribution buildings and mini-storage .....	361 697	267 699	51 902	42 096	2	2	3	8
Religious buildings .....	478 448	339 260	104 775	34 414	3	4	4	6
Educational buildings .....	1 067 550	784 496	214 791	68 263	3	3	5	29
Health care and institutional buildings .....	1 641 063	920 443	661 783	58 838	1	1	2	14
Public safety buildings such as prisons, police, and fire stations .....	353 242	302 425	33 249	17 568	1	1	5	7
Amusement, social, and recreational buildings .....	133 804	94 206	25 858	13 741	5	3	11	32
Other building construction .....	161 258	122 419	27 414	11 425	4	4	8	20
Nonbuilding construction, total .....	4 588 218	2 727 677	1 101 657	758 884	2	2	5	4
Highways, streets, and related work, such as installation of guardrails and signs .....	1 703 639	1 143 721	344 997	214 921	2	2	2	3
Private driveways and parking areas .....	280 800	162 750	61 965	56 085	11	9	14	18
Bridges and elevated highways .....	257 538	130 960	88 303	38 275	17	4	50	3
Sewers, water mains, and related facilities .....	626 956	407 923	101 244	117 790	9	8	14	17
Sewers, sewer lines, septic systems, and related facilities .....	340 416	192 331	55 668	92 418	7	7	9	19
Water mains, storage, and related facilities .....	286 540	215 592	45 576	25 372	18	15	29	31
Power and communication transmission lines, cables, towers, and related facilities .....	389 037	209 529	115 205	64 303	4	3	9	4
Power plants .....	443 603	165 479	156 755	121 369	—	—	—	—
Sewage and water treatment plants .....	194 974	85 157	84 246	25 571	7	8	8	19
Other nonbuilding construction .....	691 670	422 158	148 942	120 569	7	9	6	12
Construction work, nsk .....	578 887	578 887	—	—	—	—	—	—

<sup>1</sup>For the 2002 Economic Census, the definition of value of construction work has been modified from the 1997 Economic Census definition. See Appendix A for the modified definition.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 8. Value of Business Done for Establishments by Kind-of-Business Activity: 2002**

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Primary and other kind of business activities	Value of business done <sup>1</sup>	Relative standard error of estimate (percent)
<b>TENNESSEE</b>		
Total .....	19 761 128	2
Building construction, total .....	7 652 041	3
Building construction on land owned by you, for sale .....	1 452 639	15
Building construction on land owned by others .....	4 703 643	2
Remodeling contractor .....	829 617	7
Construction management, at risk (for building construction) .....	439 992	2
Construction management, agency or fee only (for building construction) .....	226 150	5
Heavy construction and civil engineering construction, total .....	3 823 595	4
Subdividing and servicing of raw land into lots, for sale by you .....	363 759	32
Highway and street general contractor .....	735 768	3
Paving contractor -- asphalt or concrete for highways, streets, bridges, or airport runways .....	817 534	4
Heavy construction contractor, such as bridges, tunnels, pipelines, and utility lines .....	1 230 329	7
Cable and conduit laying contractor .....	275 972	5
Excavation work, earthmoving or land clearing contractor, not connected with buildings .....	400 231	4
Special trade contractors, total .....	5 310 529	3
Heating, ventilation and air-conditioning contractor (HVAC) .....	962 269	3
Mechanical contractor .....	489 544	3
Plumbing contractor .....	651 019	3
Painting contractor .....	171 318	12
Electric power installation and service contractor, including lighting .....	1 001 019	4
Telecommunications installation and service contractor (except transmission lines) .....	151 658	10
Masonry contractor, brick, block, or stone (except brick paving) .....	236 776	12
Drywall contractor .....	170 777	10
Finish carpentry contractor .....	170 516	11
Roofing contractor, except sheet metal .....	232 265	14
Asphalt, concrete, and brick paving contractor, residential or commercial driveways and parking areas .....	203 170	13
Concrete Contractor (except paving or foundation) .....	344 931	8
Excavation work: earthmoving or land clearing contractor, connected with buildings .....	361 326	9
Millwright and machine rigging contractor .....	163 941	6
All other construction activities .....	2 225 697	4
Other business activities secondary to construction activities, total .....	170 380	4
All other business activities secondary to construction activities .....	170 380	4
Kind of business activity, nsk .....	578 887	14

<sup>1</sup>For the 2002 Economic Census, the definition of value of construction work has been modified from the 1997 Economic Census definition. See Appendix A for the modified definition.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.