

# Iowa: 2002

Issued September 2005

EC02-23A-IA

## 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>IOWA</b>											
<b>23</b>	<b>Construction .....</b>	<b>8 538</b>	<b>67 213</b>	<b>50 687</b>	<b>46 033</b>	<b>52 104</b>	<b>54 050</b>	<b>50 563</b>	<b>2 242 375</b>	<b>1 604 194</b>	<b>2</b>
236	Construction of buildings .....	2 610	16 563	11 333	10 641	11 701	11 888	11 102	506 847	316 268	4
2361	Residential building construction ..	2 059	7 568	4 983	4 736	5 371	5 074	4 748	178 307	99 750	7
23611	Residential building construction ..	2 059	7 568	4 983	4 736	5 371	5 074	4 748	178 307	99 750	7
236115	New single-family housing construction (except operative builders) .....	739	2 875	1 992	1 761	2 157	2 108	1 945	61 578	34 795	12
236116	New multifamily housing construction (except operative builders) .....	*35	279	175	191	175	173	161	8 154	3 951	16
236117	New housing operative builders .....	176	1 339	769	733	778	826	738	46 520	23 204	9
236118	Residential remodelers .....	1 109	3 076	2 047	2 052	2 262	1 968	1 905	62 054	37 800	11
2362	Nonresidential building construction .....	550	8 995	6 350	5 904	6 330	6 814	6 355	328 540	216 517	4
23621	Industrial building construction ..	39	860	699	677	671	713	734	35 713	27 999	8
236210	Industrial building construction ..	39	860	699	677	671	713	734	35 713	27 999	8
23622	Commercial and institutional building construction .....	512	8 135	5 652	5 228	5 658	6 101	5 621	292 827	188 518	4
236220	Commercial and institutional building construction .....	512	8 135	5 652	5 228	5 658	6 101	5 621	292 827	188 518	4
237	Heavy and civil engineering construction .....	610	9 726	7 641	6 063	8 179	8 736	7 587	407 539	300 956	5
2371	Utility system construction .....	228	2 597	D	D	D	2 142	1 971	99 807	D	8
23711	Water and sewer line and related structures construction .....	149	1 653	1 265	1 037	1 305	1 395	1 322	63 175	45 329	11
237110	Water and sewer line and related structures construction .....	149	1 653	1 265	1 037	1 305	1 395	1 322	63 175	45 329	11
23712	Oil and gas pipeline and related structures construction .....	1	D	D	D	D	D	D	D	D	S
237120	Oil and gas pipeline and related structures construction .....	1	D	D	D	D	D	D	D	D	S
23713	Power and communication line and related structures construction .....	78	D	D	D	D	D	D	D	D	S
237130	Power and communication line and related structures construction .....	78	D	D	D	D	D	D	D	D	S
2372	Land subdivision .....	24	143	D	D	D	50	D	5 838	D	33
23721	Land subdivision .....	24	143	D	D	D	50	D	5 838	D	33
237210	Land subdivision .....	24	143	D	D	D	50	D	5 838	D	33
2373	Highway, street, and bridge construction .....	176	5 875	4 764	3 554	5 168	5 651	4 685	265 259	200 532	5
23731	Highway, street, and bridge construction .....	176	5 875	4 764	3 554	5 168	5 651	4 685	265 259	200 532	5
237310	Highway, street, and bridge construction .....	176	5 875	4 764	3 554	5 168	5 651	4 685	265 259	200 532	5
2379	Other heavy and civil engineering construction .....	182	1 110	D	D	D	892	D	36 636	D	24
23799	Other heavy and civil engineering construction .....	182	1 110	D	D	D	892	D	36 636	D	24
237990	Other heavy and civil engineering construction ..	182	1 110	D	D	D	892	D	36 636	D	24
238	Specialty trade contractors .....	5 318	40 924	31 713	29 330	32 224	33 426	31 874	1 327 990	986 970	3
2381	Foundation, structure, and building exterior contractors .....	1 627	11 809	9 422	8 296	9 351	10 229	9 810	320 915	236 123	6
23811	Poured concrete foundation and structure contractors .....	440	3 732	3 111	2 716	3 316	3 324	3 089	101 002	78 898	12
238110	Poured concrete foundation and structure contractors ...	440	3 732	3 111	2 716	3 316	3 324	3 089	101 002	78 898	12
23812	Structural steel and precast concrete contractors .....	110	589	474	455	446	489	508	18 675	14 415	16
238120	Structural steel and precast concrete contractors .....	110	589	474	455	446	489	508	18 675	14 415	16
23813	Framing contractors .....	318	1 413	1 176	1 066	1 167	1 346	1 126	28 320	22 443	14
238130	Framing contractors .....	318	1 413	1 176	1 066	1 167	1 346	1 126	28 320	22 443	14
23814	Masonry contractors .....	259	1 983	1 578	1 355	1 426	1 756	1 776	63 523	50 087	12
238140	Masonry contractors .....	259	1 983	1 578	1 355	1 426	1 756	1 776	63 523	50 087	12
23815	Glass and glazing contractors ..	20	296	185	177	188	176	200	9 663	5 102	-
238150	Glass and glazing contractors .....	20	296	185	177	188	176	200	9 663	5 102	-
23816	Roofing contractors .....	344	2 568	1 929	1 693	1 833	2 068	2 121	71 618	45 487	14
238160	Roofing contractors .....	344	2 568	1 929	1 693	1 833	2 068	2 121	71 618	45 487	14
23817	Siding contractors .....	127	1 052	830	727	839	919	837	21 285	15 018	25
238170	Siding contractors .....	127	1 052	830	727	839	919	837	21 285	15 018	25

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>IOWA—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...	8	176	137	107	137	151	153	6 829	4 674	—
238190	Other foundation, structure, and building exterior contractors .....	8	176	137	107	137	151	153	6 829	4 674	—
2382	Building equipment contractors ...	1 974	18 583	14 118	13 524	14 503	14 466	13 982	685 903	513 413	3
23821	Electrical Contractors .....	821	7 610	5 953	5 707	6 029	6 077	5 998	274 875	218 776	5
238210	Electrical Contractors .....	821	7 610	5 953	5 707	6 029	6 077	5 998	274 875	218 776	5
23822	Plumbing, heating, and air-conditioning contractors .....	1 066	9 984	7 380	6 993	7 646	7 614	7 267	371 492	265 529	3
238220	Plumbing, heating, and air-conditioning contractors .....	1 066	9 984	7 380	6 993	7 646	7 614	7 267	371 492	265 529	3
23829	Other building equipment contractors .....	87	988	786	824	827	775	717	39 537	29 108	11
238290	Other building equipment contractors .....	87	988	786	824	827	775	717	39 537	29 108	11
2383	Building finishing contractors .....	1 127	6 903	5 348	5 254	5 414	5 568	5 157	200 322	150 118	7
23831	Drywall and insulation contractors .....	263	2 839	2 416	2 563	2 464	2 410	2 227	85 353	68 136	13
238310	Drywall and insulation contractors .....	263	2 839	2 416	2 563	2 464	2 410	2 227	85 353	68 136	13
23832	Painting and wall covering contractors .....	343	1 502	1 036	945	1 023	1 130	1 046	36 166	26 408	14
238320	Painting and wall covering contractors .....	343	1 502	1 036	945	1 023	1 130	1 046	36 166	26 408	14
23833	Flooring contractors .....	81	454	316	291	345	334	292	14 654	8 426	12
238330	Flooring contractors .....	81	454	316	291	345	334	292	14 654	8 426	12
23834	Tile and terrazzo contractors ...	13	206	166	151	167	171	173	6 345	4 636	—
238340	Tile and terrazzo contractors ...	13	206	166	151	167	171	173	6 345	4 636	—
23835	Finish carpentry contractors ...	414	1 304	971	900	998	991	996	32 338	22 908	14
238350	Finish carpentry contractors ...	414	1 304	971	900	998	991	996	32 338	22 908	14
23839	Other building finishing contractors .....	13	598	444	403	417	533	423	25 466	19 605	—
238390	Other building finishing contractors .....	13	598	444	403	417	533	423	25 466	19 605	—
2389	Other specialty trade contractors .	591	3 628	2 825	2 256	2 956	3 163	2 924	120 849	87 316	8
23891	Site preparation contractors .....	325	1 957	1 488	1 146	1 536	1 686	1 585	70 867	50 541	8
238910	Site preparation contractors ..	325	1 957	1 488	1 146	1 536	1 686	1 585	70 867	50 541	8
23899	All other specialty trade contractors .....	266	1 671	1 337	1 110	1 420	1 477	1 340	49 982	36 776	14
238990	All other specialty trade contractors .....	266	1 671	1 337	1 110	1 420	1 477	1 340	49 982	36 776	14

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 subcontracted out to others	Total rental costs	Capital expenditures, except land	Gross book value of depreciable assets, end-of-year
<b>IOWA</b>											
<b>23</b>	<b>Construction</b>	<b>1</b>	<b>9 940 503</b>	<b>9 786 194</b>	<b>7 414 749</b>	<b>4 447 735</b>	<b>3 121 323</b>	<b>2 371 445</b>	<b>162 277</b>	<b>234 323</b>	<b>2 244 777</b>
236	Construction of buildings	1	3 595 683	3 562 939	1 906 302	972 123	966 922	1 656 638	34 947	35 612	331 613
2361	Residential building construction	2	1 246 378	1 233 036	815 045	388 139	440 248	417 991	8 779	16 986	117 519
23611	Residential building construction	2	1 246 378	1 233 036	815 045	388 139	440 248	417 991	8 779	16 986	117 519
236115	New single-family housing construction (except operative builders)	2	373 700	370 207	265 013	122 016	146 490	105 194	2 908	5 857	41 786
236116	New multifamily housing construction (except operative builders)	3	57 330	56 830	27 267	12 774	14 993	29 563	510	503	4 084
236117	New housing operative builders	1	478 481	471 521	288 682	126 507	169 135	182 839	2 047	4 424	34 817
236118	Residential remodelers	4	336 867	334 477	234 083	126 842	109 631	100 395	3 315	6 202	36 832
2362	Nonresidential building construction	-	2 349 304	2 329 903	1 091 256	583 984	526 673	1 238 647	26 167	18 626	214 094
23621	Industrial building construction	4	183 474	D	D	50 485	36 419	96 569	3 217	4 340	27 038
236210	Industrial building construction	4	183 474	D	D	50 485	36 419	96 569	3 217	4 340	27 038
23622	Commercial and institutional building construction	-	2 165 831	D	D	533 499	490 254	1 142 078	22 950	14 286	187 056
236220	Commercial and institutional building construction	-	2 165 831	D	D	533 499	490 254	1 142 078	22 950	14 286	187 056
237	Heavy and civil engineering construction	-	1 847 700	1 796 859	1 473 344	849 961	674 225	323 514	41 243	86 940	951 248
2371	Utility system construction	-	370 862	364 309	327 974	247 816	86 711	36 335	8 612	D	D
23711	Water and sewer line and related structures construction	-	265 541	260 325	234 125	163 073	76 268	26 200	D	D	130 072
237110	Water and sewer line and related structures construction	-	265 541	260 325	234 125	163 073	76 268	26 200	D	D	130 072
23712	Oil and gas pipeline and related structures construction	-	D	D	D	D	D	D	D	D	D
237120	Oil and gas pipeline and related structures construction	-	D	D	D	D	D	D	D	D	D
23713	Power and communication line and related structures construction	-	D	D	D	D	D	D	D	D	D
237130	Power and communication line and related structures construction	-	D	D	D	D	D	D	D	D	D
2372	Land subdivision	6	35 324	33 869	26 758	21 723	6 489	7 111	209	D	D
23721	Land subdivision	6	35 324	33 869	26 758	21 723	6 489	7 111	209	D	D
237210	Land subdivision	6	35 324	33 869	26 758	21 723	6 489	7 111	209	D	D
2373	Highway, street, and bridge construction	-	1 292 664	1 253 799	986 006	490 018	534 853	267 793	27 517	51 140	611 504
23731	Highway, street, and bridge construction	-	1 292 664	1 253 799	986 006	490 018	534 853	267 793	27 517	51 140	611 504
237310	Highway, street, and bridge construction	-	1 292 664	1 253 799	986 006	490 018	534 853	267 793	27 517	51 140	611 504
2379	Other heavy and civil engineering construction	1	148 851	144 881	132 607	90 404	46 172	12 275	4 905	14 042	137 920
23799	Other heavy and civil engineering construction	1	148 851	144 881	132 607	90 404	46 172	12 275	4 905	14 042	137 920
237990	Other heavy and civil engineering construction	1	148 851	144 881	132 607	90 404	46 172	12 275	4 905	14 042	137 920
238	Specialty trade contractors	1	4 497 120	4 426 396	4 035 103	2 625 651	1 480 176	391 293	86 087	111 771	961 916
2381	Foundation, structure, and building exterior contractors	1	1 213 955	1 206 372	1 105 166	721 668	391 080	101 207	21 821	33 123	257 186
23811	Poured concrete foundation and structure contractors	1	446 484	445 323	396 675	252 614	145 222	48 648	6 532	18 752	122 912
238110	Poured concrete foundation and structure contractors	1	446 484	445 323	396 675	252 614	145 222	48 648	6 532	18 752	122 912
23812	Structural steel and precast concrete contractors	2	65 604	D	D	40 072	D	D	1 695	*2 999	*20 645
238120	Structural steel and precast concrete contractors	2	65 604	D	D	40 072	D	D	1 695	*2 999	*20 645
23813	Framing contractors	1	124 275	124 009	113 807	92 426	21 647	10 202	2 367	1 950	9 988
238130	Framing contractors	1	124 275	124 009	113 807	92 426	21 647	10 202	2 367	1 950	9 988
23814	Masonry contractors	1	167 531	D	D	108 926	D	D	3 017	3 574	38 300
238140	Masonry contractors	1	167 531	D	D	108 926	D	D	3 017	3 574	38 300
23815	Glass and glazing contractors	2	35 109	D	D	23 108	D	D	709	613	4 078
238150	Glass and glazing contractors	2	35 109	D	D	23 108	D	D	709	613	4 078
23816	Roofing contractors	2	262 825	260 779	239 615	145 202	96 459	21 164	4 139	4 142	45 556
238160	Roofing contractors	2	262 825	260 779	239 615	145 202	96 459	21 164	4 139	4 142	45 556
23817	Siding contractors	1	75 326	72 527	65 846	38 850	29 794	6 681	1 618	879	*13 675
238170	Siding contractors	1	75 326	72 527	65 846	38 850	29 794	6 681	1 618	879	*13 675
23819	Other foundation, structure, and building exterior contractors	-	36 801	36 087	D	20 470	D	D	1 744	214	2 033
238190	Other foundation, structure, and building exterior contractors	-	36 801	36 087	D	20 470	D	D	1 744	214	2 033

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>IOWA—Con.</b>											
<b>23</b>	<b>Construction—Con.</b>										
238	Specialty trade contractors—Con.										
2382	Building equipment contractors . . .	—	2 138 244	2 089 671	1 920 007	1 224 437	744 143	169 664	30 928	38 036	342 821
23821	Electrical Contractors . . . . .	1	800 928	781 064	751 289	497 914	273 239	29 775	8 858	14 498	125 976
238210	Electrical Contractors . . . . .	1	800 928	781 064	751 289	497 914	273 239	29 775	8 858	14 498	125 976
23822	Plumbing, heating, and air-conditioning contractors . . . . .	—	1 216 575	1 189 684	1 055 750	653 799	428 842	133 934	19 684	21 296	193 776
238220	Plumbing, heating, and air-conditioning contractors . . . . .	—	1 216 575	1 189 684	1 055 750	653 799	428 842	133 934	19 684	21 296	193 776
23829	Other building equipment contractors . . . . .	1	120 741	118 923	112 968	72 725	42 061	5 955	2 386	2 243	23 068
238290	Other building equipment contractors . . . . .	1	120 741	118 923	112 968	72 725	42 061	5 955	2 386	2 243	23 068
2383	Building finishing contractors . . . . .	2	624 488	615 138	557 620	379 540	187 430	57 518	11 323	13 823	97 938
23831	Drywall and insulation contractors . . . . .	1	250 987	246 359	218 876	148 134	75 370	27 483	4 063	3 120	32 494
238310	Drywall and insulation contractors . . . . .	1	250 987	246 359	218 876	148 134	75 370	27 483	4 063	3 120	32 494
23832	Painting and wall covering contractors . . . . .	2	115 676	115 669	108 090	83 936	24 162	<sup>7</sup> 578	2 386	<sup>4</sup> 679	22 298
238320	Painting and wall covering contractors . . . . .	2	115 676	115 669	108 090	83 936	24 162	<sup>7</sup> 578	2 386	<sup>4</sup> 679	22 298
23833	Flooring contractors . . . . .	2	48 813	D	43 401	28 186	D	D	1 250	825	4 948
238330	Flooring contractors . . . . .	2	48 813	D	43 401	28 186	D	D	1 250	825	4 948
23834	Tile and terrazzo contractors . . . . .	—	20 542	D	18 660	10 407	D	D	231	245	1 681
238340	Tile and terrazzo contractors . . . . .	—	20 542	D	18 660	10 407	D	D	231	245	1 681
23835	Finish carpentry contractors . . . . .	3	124 214	121 962	109 308	66 538	45 022	12 654	2 259	1 558	16 922
238350	Finish carpentry contractors . . . . .	3	124 214	121 962	109 308	66 538	45 022	12 654	2 259	1 558	16 922
23839	Other building finishing contractors . . . . .	—	64 256	D	59 285	42 339	D	D	1 134	3 397	19 596
238390	Other building finishing contractors . . . . .	—	64 256	D	59 285	42 339	D	D	1 134	3 397	19 596
2389	Other specialty trade contractors . . . . .	1	520 432	515 215	452 310	300 005	157 523	62 905	22 015	26 789	263 971
23891	Site preparation contractors . . . . .	—	327 222	323 967	273 165	189 743	86 678	50 801	19 101	22 737	202 031
238910	Site preparation contractors . . . . .	—	327 222	323 967	273 165	189 743	86 678	50 801	19 101	22 737	202 031
23899	All other specialty trade contractors . . . . .	1	193 211	191 248	179 145	110 263	70 845	12 103	2 914	4 052	61 940
238990	All other specialty trade contractors . . . . .	1	193 211	191 248	179 145	110 263	70 845	12 103	2 914	4 052	61 940

<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>IOWA</b>		
All establishments . . . . . number . . . . .	8 538	4
All employees . . . . . number . . . . .	67 213	2
Construction workers in March . . . . . number . . . . .	46 033	2
Construction workers in May . . . . . number . . . . .	52 104	2
Construction workers in August . . . . . number . . . . .	54 050	2
Construction workers in November . . . . . number . . . . .	50 563	2
Average number of construction workers . . . . . number . . . . .	50 687	2
Other employees in March . . . . . number . . . . .	16 855	2
Other employees in May . . . . . number . . . . .	15 737	2
Other employees in August . . . . . number . . . . .	16 675	2
Other employees in November . . . . . number . . . . .	16 835	3
Average number of other employees . . . . . number . . . . .	16 526	2
Total payroll . . . . . \$1,000 . . . . .	2 242 375	1
Construction workers . . . . . \$1,000 . . . . .	1 604 194	1
Other employees . . . . . \$1,000 . . . . .	638 181	2
First-quarter payroll, all employees . . . . . \$1,000 . . . . .	474 356	1
Fringe benefits, all employees . . . . . \$1,000 . . . . .	549 632	1
Legally required expenditures . . . . . \$1,000 . . . . .	306 970	2
Voluntary expenditures . . . . . \$1,000 . . . . .	242 663	1
Value of business done <sup>1</sup> . . . . . \$1,000 . . . . .	9 940 503	1
Value of construction work <sup>1</sup> . . . . . \$1,000 . . . . .	9 786 194	1
Value of construction work on government owned projects . . . . . \$1,000 . . . . .	2 834 471	2
Value of construction work on federally owned projects . . . . . \$1,000 . . . . .	483 289	3
Value of construction work on state and locally owned projects . . . . . \$1,000 . . . . .	2 351 182	2
Value of construction work on privately owned projects . . . . . \$1,000 . . . . .	6 951 723	2
Other business receipts . . . . . \$1,000 . . . . .	154 309	5
Value of construction work subcontracted in from others . . . . . \$1,000 . . . . .	3 121 372	2
Net value of construction work . . . . . \$1,000 . . . . .	7 414 749	2
Value added . . . . . \$1,000 . . . . .	4 447 735	2
Selected costs . . . . . \$1,000 . . . . .	5 492 768	2
Materials, parts, and supplies . . . . . \$1,000 . . . . .	2 970 828	2
Construction work subcontracted out to others . . . . . \$1,000 . . . . .	2 371 445	2
Selected power, fuels, and lubricants . . . . . \$1,000 . . . . .	150 495	3
Purchased electricity . . . . . \$1,000 . . . . .	21 439	5
Natural gas and manufactured gas . . . . . \$1,000 . . . . .	10 294	6
Gasoline and diesel fuel . . . . . \$1,000 . . . . .	110 420	3
On-highway use of gasoline and diesel fuel . . . . . \$1,000 . . . . .	73 619	3
Off-highway use of gasoline and diesel fuel . . . . . \$1,000 . . . . .	36 801	5
All other fuels and lubricants . . . . . \$1,000 . . . . .	8 342	5
Total rental costs . . . . . \$1,000 . . . . .	162 277	2
Machinery and equipment . . . . . \$1,000 . . . . .	108 238	3
Buildings . . . . . \$1,000 . . . . .	54 039	3
Selected purchased services . . . . . \$1,000 . . . . .	304 866	3
Communication services . . . . . \$1,000 . . . . .	74 696	2
Repairs to buildings and other structures . . . . . \$1,000 . . . . .	48 422	4
Repairs to machinery and equipment . . . . . \$1,000 . . . . .	103 442	4
Legal services . . . . . \$1,000 . . . . .	15 651	15
Accounting, auditing, and bookkeeping services . . . . . \$1,000 . . . . .	31 834	15
Advertising and promotional services . . . . . \$1,000 . . . . .	30 822	7
Beginning-of-year gross book value of depreciable assets . . . . . \$1,000 . . . . .	2 088 918	3
Capital expenditures, other than land . . . . . \$1,000 . . . . .	234 323	4
Retirements and disposition of depreciable assets . . . . . \$1,000 . . . . .	78 465	3
End-of-year gross book value of depreciable assets . . . . . \$1,000 . . . . .	2 244 777	3
Depreciation charges during year . . . . . \$1,000 . . . . .	223 031	3
Establishments with inventories . . . . . number . . . . .	2 407	—
Value of construction work for establishments with inventories . . . . . \$1,000 . . . . .	4 208 556	—
End-of-2002, inventories of materials and supplies . . . . . \$1,000 . . . . .	148 122	6
End-of-2001, inventories of materials and supplies . . . . . \$1,000 . . . . .	139 152	5
Establishments with no inventories . . . . . number . . . . .	5 719	—
Value of construction work for establishments with no inventories . . . . . \$1,000 . . . . .	S	S
Establishments not reporting inventories . . . . . number . . . . .	412	—
Value of construction work for establishments not reporting inventores . . . . . \$1,000 . . . . .	S	S

<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>IOWA</b>											
All establishments .....	1	8 538	67 213	2 242 375	9 940 503	9 786 194	7 414 749	4 447 735	3 121 323	2 371 445	2
Establishments with—											
1 to 4 employees .....	3	5 172	10 240	202 268	1 180 119	1 163 452	919 312	545 733	390 245	244 140	6
5 to 9 employees .....	2	1 810	11 170	275 129	1 250 436	1 240 142	1 020 891	636 627	394 558	219 251	7
10 to 19 employees .....	1	906	12 073	371 443	1 499 407	1 469 271	1 213 710	736 689	507 157	255 562	6
20 to 49 employees .....	—	460	13 786	522 694	2 171 912	2 126 571	1 672 491	1 035 342	682 490	454 080	2
50 to 99 employees .....	1	121	8 182	340 857	1 530 887	1 512 296	1 051 736	619 707	450 620	460 560	2
100 to 249 employees .....	—	57	7 886	348 083	1 677 476	1 656 334	1 105 630	578 824	547 948	550 704	1
250 to 499 employees .....	—	12	3 877	181 902	630 266	618 128	430 979	294 813	148 304	187 149	—
500 to 999 employees .....	—	—	—	—	—	—	—	—	—	—	—
1,000 employees or more .....	—	—	—	—	—	—	—	—	—	—	—

<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>IOWA</b>											
All establishments .....	1	8 538	67 213	2 242 375	9 940 503	9 786 194	7 414 749	4 447 735	3 121 323	2 371 445	2
Establishments with value of business done—											
Less than \$25,000 .....	4	S	S	\$ <sup>1</sup> 057	2 211	2 211	1 867	\$ <sup>1</sup> 258	\$ <sup>6</sup> 10	\$ <sup>3</sup> 44	39
\$25,000 to \$49,999 .....	4	S	S	5 756	17 494	17 488	16 014	10 169	5 851	1 474	20
\$50,000 to \$99,999 .....	3	1 069	1 626	20 840	82 192	81 473	72 114	44 468	26 365	9 360	13
\$100,000 to \$249,999 .....	3	2 372	5 831	88 654	399 835	396 219	345 724	212 471	136 869	50 495	9
\$250,000 to \$499,999 .....	3	1 539	5 830	128 342	543 024	530 466	444 907	275 011	182 454	85 559	8
\$500,000 to \$999,999 .....	2	1 301	8 916	235 450	911 559	902 549	793 946	530 087	272 868	108 603	8
\$1,000,000 to \$2,499,999 .....	1	992	11 989	378 078	1 472 227	1 445 864	1 220 128	754 874	491 616	225 736	6
\$2,500,000 to \$4,999,999 .....	1	338	8 391	314 172	1 190 481	1 165 435	981 866	612 723	394 189	183 569	4
\$5,000,000 to \$9,999,999 .....	1	170	7 084	290 279	1 222 653	1 201 126	947 857	582 974	386 410	253 268	3
\$10,000,000 or more .....	—	169	16 885	779 748	4 098 828	4 043 363	2 590 327	1 423 700	1 222 091	1 453 036	1

<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>IOWA</b>		
Total .....	9 786 194	1
Construction work done in Illinois .....	249 029	2
Construction work done in Iowa .....	8 683 728	2
Construction work done in Kansas .....	26 468	4
Construction work done in Minnesota .....	106 049	7
Construction work done in Missouri .....	74 310	7
Construction work done in Nebraska .....	190 924	4
Construction work done in South Dakota .....	84 932	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.

**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>IOWA</b>								
Total .....	9 786 194	6 608 880	2 081 694	1 095 620	1	1	2	3
Building construction, total .....	7 178 039	4 811 577	1 537 041	829 421	1	2	2	3
Single-family houses, detached and attached .....	2 137 733	1 447 084	399 571	291 078	3	4	5	7
Single-family houses, detached .....	1 748 756	1 164 124	335 765	248 867	4	5	6	8
Single-family houses, attached .....	388 976	282 960	63 806	42 211	5	5	12	8
Apartment buildings (2 or more units), such as rentals, apartment type condominiums and cooperatives .....	277 757	223 044	29 338	25 375	6	6	13	13
Manufacturing and industrial warehouses .....	558 317	387 422	115 914	54 980	2	2	4	4
Other manufacturing and light industrial buildings, such as factories, assembly plants, and industrial research laboratories .....	598 074	334 249	161 036	102 790	3	4	4	5
Hotels, motels, and tourist cabins .....	84 407	52 841	19 852	11 715	15	22	9	5
Office buildings .....	784 740	544 407	157 079	83 253	2	2	4	4
Stores, restaurants, and automobile service stations, and other commercial buildings .....	731 838	464 550	179 872	87 416	4	4	4	8
Commercial warehouses such as distribution buildings and mini-storage .....	173 475	127 249	29 600	16 626	5	5	12	7
Religious buildings .....	204 807	116 995	65 294	22 518	10	15	10	12
Educational buildings .....	626 453	417 501	164 135	44 817	1	1	3	7
Health care and institutional buildings .....	472 656	309 202	135 726	27 727	1	1	4	3
Public safety buildings such as prisons, police, and fire stations .....	86 484	64 446	15 572	6 467	2	3	4	4
Farm buildings, nonresidential (except grain elevators) ..	267 822	210 582	18 686	38 553	14	15	13	39
Amusement, social, and recreational buildings .....	83 203	57 646	21 709	3 848	4	4	10	14
Other building construction .....	90 275	54 360	23 657	12 258	4	4	5	10
Nonbuilding construction, total .....	2 318 283	1 507 432	544 653	266 199	3	3	4	5
Highways, streets, and related work, such as installation of guardrails and signs .....	956 655	556 780	315 273	84 602	4	4	7	12
Airport runways and related work .....	53 394	26 189	24 862	2 343	1	2	—	10
Private driveways and parking areas .....	215 508	152 169	42 791	20 548	9	11	10	11
Bridges and elevated highways .....	188 153	158 823	18 997	10 333	6	6	4	12
Sewers, water mains, and related facilities .....	365 740	275 307	45 440	44 993	5	5	8	7
Sewers, sewer lines, septic systems, and related facilities .....	236 949	183 986	27 287	25 676	6	7	9	10
Water mains, storage, and related facilities .....	128 791	91 321	18 153	19 316	8	9	14	11
Power and communication transmission lines, cables, towers, and related facilities .....	113 930	56 182	18 804	38 945	6	7	5	5
Sewage and water treatment plants .....	123 908	75 221	33 339	15 347	5	3	16	11
Sewage treatment plants .....	54 187	22 526	23 692	7 968	11	7	23	11
Water treatment plants .....	69 721	52 695	9 647	7 378	3	2	10	20
Conservation and development construction, such as drainage canals and flood control projects .....	92 181	77 018	8 321	6 842	26	27	42	28
Other nonbuilding construction .....	208 815	129 742	36 826	42 247	13	16	6	18
Construction work, nsk .....	289 871	289 871	—	—	—	—	—	—

<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>IOWA</b>		
Total .....	9 940 503	1
Building construction, total .....	3 146 488	2
Building construction on land owned by you, for sale .....	384 507	8
Building construction on land owned by others .....	2 341 691	2
Remodeling contractor .....	355 827	6
Construction management, at risk (for building construction) .....	64 465	3
Heavy construction and civil engineering construction, total .....	1 816 797	3
Highway and street general contractor .....	480 144	4
Paving contractor -- asphalt or concrete for highways, streets, bridges, or airport runways .....	486 973	7
Heavy construction contractor, such as bridges, tunnels, pipelines, and utility lines .....	573 397	7
Cable and conduit laying contractor .....	60 048	6
Excavation work, earthmoving or land clearing contractor, not connected with buildings .....	216 235	8
Special trade contractors, total .....	3 500 640	2
Heating, ventilation and air-conditioning contractor (HVAC) .....	451 636	3
Mechanical contractor .....	228 919	2
Plumbing contractor .....	369 745	5
Steamfitting and piping contractor .....	75 887	2
Painting contractor .....	110 389	16
Electric power installation and service contractor, including lighting .....	611 417	5
Telecommunications installation and service contractor (except transmission lines) .....	66 657	9
Masonry contractor, brick, block, or stone (except brick paving) .....	132 541	11
Drywall contractor .....	143 245	14
Insulation contractor .....	53 682	25
Finish carpentry contractor .....	114 726	14
Framing contractor, except steel .....	123 281	9
Roofing contractor, except sheet metal .....	191 058	14
Roofing contractor, sheet metal .....	52 230	38
Asphalt, concrete, and brick paving contractor, residential or commercial driveways and parking areas .....	149 501	11
Foundation contractor, concrete .....	154 432	16
Concrete Contractor (except paving or foundation) .....	265 228	11
Excavation work: earthmoving or land clearing contractor, connected with buildings .....	134 128	13
Millwright and machine rigging contractor .....	71 935	6
All other construction activities .....	1 033 543	4
Other business activities secondary to construction activities, total .....	153 162	5
All other business activities secondary to construction activities .....	153 162	5
Kind of business activity, nsk .....	289 871	15

<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.