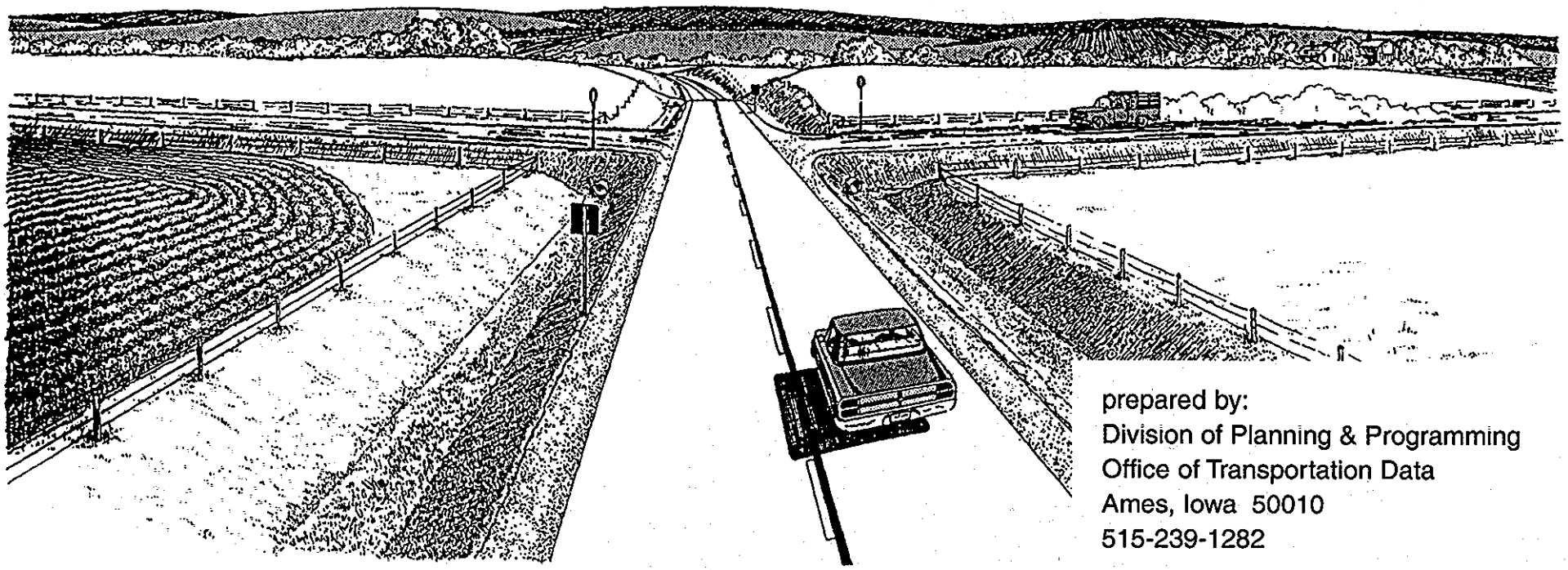
Iowa
Miles of
Rural Secondary Roads

as of
January 1, 2000



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IOWA

MILES OF RURAL SECONDARY ROADS

AS OF

JANUARY 1, 2000

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INTRODUCTION

The Office of Transportation Data, in cooperation with the Federal Highway Administration, prepares this secondary road report. The report is used by federal, state, and local agencies and the general public for statistical information on the secondary road system.

Information for this report is derived from data reported by Iowa County Engineers. Their reports of construction which may change the road surface, length, and functional classification are reflected in this report.

The report is in four major sections, State Totals in Miles by Type of Surface, Statistical Summary, County Totals in Miles by Type of Surface and Condition of the Rural Secondary System. All data is current as of January 1, 2000.

This report is also available on the Internet at ftp://165.206.254.150/dotmaps/.
The name of the file is rsec_100.wk4. (Lotus version 5.0)

TABLE OF CONTENTS

Five Year Summary of the Secondary Road System in Iowa	1
Statistical Summary	2
Grading and Surfacing Work Accomplished on the Farm-to-Market System	3
Grading and Surfacing Work Accomplished on the Area Service Secondary System	8
Miles of all Open Rural Secondary Roads in Iowa Classified by System	13
Miles of Rural Primary Roads and Secondary Roads in Iowa Classified by System	18
Miles of Rural Primary and Secondary Roads in Iowa (showing Surfaced and Not Surfaced)	23
Miles of Rural Secondary Roads for All Systems (Area Service and Farm-to-Market) Classified by Surface Type	28
Miles of Rural Secondary Roads on the Farm-to-Market System Classified by Surface Type	33
Miles of Rural Secondary Roads on the Area Service System (Non Farm-to-Market) Classified by Surface Type	38
Percent Surfaced for All Systems on the Secondary Road System	43
Percent Surfaced for the Farm-to-Market System on the Secondary Road System	48
Percent Surfaced for the Area Service System (Non Farm-to-Market) on the Secondary Road System	53

FIVE YEAR SUMMARY OF THE SECONDARY ROAD SYSTEM IN IOWA
(IN MILES)

RURAL SECONDARY ROAD SYSTEM	EARTH ROAD					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
JANUARY 1,2000											
Total Farm-to-Market	12.263		25.389	38.536	76.188	14,091.430	834.425	14,655.078	29,580.933	29,657.121	29,644.858
Total Not Farm-to-Market	516.215	255.310	4,426.285	12.065	5,209.875	53,307.153	438.152	1,106.717	54,852.022	60,061.897	59,545.682
Total For State	528.478	255.310	4,451.674	50.601	5,286.063	67,398.583	1,272.577	15,761.795	84,432.955	89,719.018	89,190.540
JANUARY 1,1999											
Total Farm-to-Market	9.880		26.433	52.284	88.597	14,150.040	837.642	14,582.524	29,570.206	29,658.803	29,648.923
Total Not Farm-to-Market	501.682	258.550	4,449.739	14.435	5,224.406	53,365.214	420.093	1,096.065	54,881.372	60,105.778	59,604.096
Total For State	511.562	258.550	4,476.172	66.719	5,313.003	67,515.254	1,257.735	15,678.589	84,451.578	89,764.581	89,253.019
JANUARY 1,1998											
Total Farm-to-Market	14.696		26.782	56.161	97.639	14,197.382	841.748	14,542.811	29,581.941	29,679.580	29,664.884
Total Not Farm-to-Market	493.308	264.317	4,469.301	16.423	5,243.349	53,405.795	422.666	1,056.537	54,884.998	60,128.347	59,635.039
Total For State	508.004	264.317	4,496.083	72.584	5,340.988	67,603.177	1,264.414	15,599.348	84,466.939	89,807.927	89,299.923
JANUARY 1,1997											
Total Farm-to-Market	14.696		28.217	63.636	106.549	14,262.899	831.208	14,467.880	29,561.987	29,668.536	29,653.840
Total Not Farm-to-Market	492.365	264.079	4,476.237	13.329	5,246.010	53,468.924	409.105	1,034.284	54,912.313	60,158.323	59,665.958
Total For State	507.061	264.079	4,504.454	76.965	5,352.559	67,731.823	1,240.313	15,502.164	84,474.300	89,826.859	89,319.798
JANUARY 1,1996											
Total Farm-to-Market	12.110		28.845	71.000	111.955	14,338.864	825.431	14,402.140	29,566.435	29,678.390	29,666.280
Total Not Farm-to-Market	482.355	265.002	4,494.824	19.536	5,261.717	53,513.756	402.055	995.773	54,911.584	60,173.301	59,690.946
Total For State	494.465	265.002	4,523.669	90.536	5,373.672	67,852.620	1,227.486	15,397.913	84,478.019	89,851.691	89,357.226

STATISTICAL SUMMARY

On January 1, 2000, the condition of the Secondary Road System was as follows:

	Farm-to-Market System	Area Service Secondary System
Miles of Unimproved Earth Roads		255.310
Graded and Drained Earth Roads	25.389	4,426.285
Soil Surfaced	38.536	12.065
Gravel or Stone Surfaced	14,091.430	53,307.153
Bituminous Surfaced, Not Paved	834.425	438.152
Paved	14,655.078	1,106.717
Total Miles of Open Road	29,644.858	59,545.682
Legal Roads Not Open to Traffic	12.263	516.215
Total Miles in System	29,657.121	60,061.897

Comparison of grading and surfacing of Farm-to-Market and Area Service Secondary Roads accomplished in the past five years is as follows:

Year	Miles Graded	Miles Loose Surfaced
Jan. 1, 1996	82.968	87.019
Jan. 1, 1997	64.754	69.917
Jan. 1, 1998	69.515	67.480
Jan. 1, 1999	49.401	66.764
Jan. 1, 2000	68.952	84.276

RURAL SECONDARY ROAD
GRADING AND SURFACING WORK ACCOMPLISHED ON THE FARM-TO-MARKET SYSTEM

COUNTY	GRADED AND DRAINED EARTH	SOIL SURFACE	GRAVEL OR STONE	BITUMINOUS SURFACE	ASPHALT PAVEMENT	PORTLAND CEMENT CONCRETE PAVEMENT	TOTAL
Adair							
Adams							
Allamakee							
Appanoose							
Audubon			3.985	0.708			4.693
Benton					1.452		1.452
Black Hawk							
Boone	0.500		0.500				1.000
Bremer					18.631		18.631
Buchanan							
Buena Vista							
Butler					11.549		11.549
Calhoun							
Carroll					30.609		30.609
Cass							
Cedar							
Cerro Gordo					4.650	0.560	5.210
Cherokee							
Chickasaw							
Clarke							

RURAL SECONDARY ROAD
GRADING AND SURFACING WORK ACCOMPLISHED ON THE FARM-TO-MARKET SYSTEM

COUNTY	GRADED AND DRAINED EARTH	SOIL SURFACE	GRAVEL OR STONE	BITUMINOUS SURFACE	ASPHALT PAVEMENT	PORTLAND CEMENT CONCRETE PAVEMENT	TOTAL
Clay	2.885		2.885				5.770
Clayton							
Clinton							
Crawford					12.705		12.705
Dallas					12.337		12.337
Davis							
Decatur						3.561	3.561
Delaware	0.849		0.849		21.668		23.366
Des Moines							
Dickinson					9.987		9.987
Dubuque	4.270		4.270	1.317	7.934	3.637	21.428
Emmet							
Fayette							
Floyd					7.497	0.643	8.140
Franklin					24.363		24.363
Fremont					5.334		5.334
Greene							
Grundy					11.965		11.965
Guthrie	4.100		4.100				8.200
Hamilton					29.670		29.670

RURAL SECONDARY ROAD
GRADING AND SURFACING WORK ACCOMPLISHED ON THE FARM-TO-MARKET SYSTEM

COUNTY	GRADED AND DRAINED EARTH	SOIL SURFACE	GRAVEL OR STONE	BITUMINOUS SURFACE	ASPHALT PAVEMENT	PORTLAND CEMENT CONCRETE PAVEMENT	TOTAL
Hancock					24.654		24.654
Hardin							
Harrison				1.970	14.382		16.352
Henry							
Howard							
Humboldt					0.994		0.994
Ida							
Iowa				0.839			0.839
Jackson	0.808		0.808			2.743	4.359
Jasper	3.653		3.653		10.056	0.113	17.475
Jefferson							
Johnson					8.486	1.542	10.028
Jones	4.768		4.768			15.463	24.999
Keokuk						0.203	0.203
Kossuth					31.257		31.257
Lee	2.537		2.537		2.231		7.305
Linn	6.567		6.567	0.497		0.042	13.673
Louisa						2.468	2.468
Lucas	0.717		0.717				1.434
Lyon					18.008		18.008

RURAL SECONDARY ROAD
GRADING AND SURFACING WORK ACCOMPLISHED ON THE FARM-TO-MARKET SYSTEM

COUNTY	GRADED AND DRAINED EARTH	SOIL SURFACE	GRAVEL OR STONE	BITUMINOUS SURFACE	ASPHALT PAVEMENT	PORTLAND CEMENT CONCRETE PAVEMENT	TOTAL
Madison					3.599		3.599
Mahaska						5.539	5.539
Marion	3.741		3.741			0.099	7.581
Marshall					8.062		8.062
Mills							
Mitchell							
Monona							
Monroe							
Montgomery							
Muscatine							
O'Brien							
Osceola							
Page					9.236		9.236
Palo Alto							
Plymouth						5.010	5.010
Pocahontas					4.947		4.947
Polk				1.802	13.303		15.105
Pottawattamie					3.692	11.689	15.381
Poweshiek							
Ringgold							

RURAL SECONDARY ROAD
GRADING AND SURFACING WORK ACCOMPLISHED ON THE FARM-TO-MARKET SYSTEM

COUNTY	GRADED AND DRAINED EARTH	SOIL SURFACE	GRAVEL OR STONE	BITUMINOUS SURFACE	ASPHALT PAVEMENT	PORTLAND CEMENT CONCRETE PAVEMENT	TOTAL
Sac							
Scott					12.007		12.007
Shelby				5.059			5.059
Sioux					11.673		11.673
Story					8.093	2.014	10.107
Tama					8.870		8.870
Taylor					15.994		15.994
Union							
Van Buren					8.248		8.248
Wapello					3.673	4.470	8.143
Warren	7.097		7.097				14.194
Washington							
Wayne							
Webster					20.986		20.986
Winnebago							
Winneshiek				1.530	18.141	6.222	25.893
Woodbury							
Worth					8.553		8.553
Wright					8.062		8.062
TOTAL	42.492		46.477	13.722	487.558	66.018	656.267

RURAL SECONDARY ROAD
GRADING AND SURFACING WORK ACCOMPLISHED ON THE AREA SERVICE SECONDARY SYSTEM

COUNTY	GRADED AND DRAINED EARTH	SOIL SURFACE	GRAVEL OR STONE	BITUMINOUS SURFACE	ASPHALT PAVEMENT	PORTLAND CEMENT CONCRETE PAVEMENT	TOTAL
Adair			0.565				0.565
Adams	0.680		0.680				1.360
Allamakee							
Appanoose	0.250		0.250				0.500
Audubon							
Benton			0.470				0.470
Black Hawk							
Boone	3.452		3.452		0.510		7.414
Bremer							
Buchanan							
Buena Vista							
Butler							
Calhoun							
Carroll	0.747		0.747				1.494
Cass			0.883				0.883
Cedar					0.782		0.782
Cerro Gordo	0.435		0.435	0.944	2.486	0.579	4.879
Cherokee							
Chickasaw							
Clarke			2.234				2.234

RURAL SECONDARY ROAD
GRADING AND SURFACING WORK ACCOMPLISHED ON THE AREA SERVICE SECONDARY SYSTEM

COUNTY	GRADED AND DRAINED EARTH	SOIL SURFACE	GRAVEL OR STONE	BITUMINOUS SURFACE	ASPHALT PAVEMENT	PORTLAND CEMENT CONCRETE PAVEMENT	TOTAL
Clay							
Clayton	1.542						1.542
Clinton	0.100		0.100				0.200
Crawford							
Dallas					0.168	1.018	1.186
Davis							
Decatur						1.032	1.032
Delaware	0.474		0.474		0.249		1.197
Des Moines							
Dickinson							
Dubuque				16.738	2.928		19.666
Emmet							
Fayette							
Floyd	2.685		2.685		0.186		5.556
Franklin					0.185		0.185
Fremont							
Greene							
Grundy							
Guthrie			1.013				1.013
Hamilton					0.313		0.313

RURAL SECONDARY ROAD
GRADING AND SURFACING WORK ACCOMPLISHED ON THE AREA SERVICE SECONDARY SYSTEM

COUNTY	GRADED AND DRAINED EARTH	SOIL SURFACE	GRAVEL OR STONE	BITUMINOUS SURFACE	ASPHALT PAVEMENT	PORTLAND CEMENT CONCRETE PAVEMENT	TOTAL
Hancock							
Hardin							
Harrison			1.001				1.001
Henry	0.450		0.822			0.222	1.494
Howard							
Humboldt					1.149		1.149
Ida							
Iowa				0.230			0.230
Jackson	0.911		0.911			0.672	2.494
Jasper	1.145		1.145	1.790		0.064	4.144
Jefferson							
Johnson							
Jones							
Keokuk	0.271		0.271				0.542
Kossuth	5.004		5.004		3.960		13.968
Lee					0.292		0.292
Linn	5.145		5.847		0.954	0.042	11.988
Louisa						0.510	0.510
Lucas			0.200				0.200
Lyon							

RURAL SECONDARY ROAD
GRADING AND SURFACING WORK ACCOMPLISHED ON THE AREA SERVICE SECONDARY SYSTEM

COUNTY	GRADED AND DRAINED EARTH	SOIL SURFACE	GRAVEL OR STONE	BITUMINOUS SURFACE	ASPHALT PAVEMENT	PORTLAND CEMENT CONCRETE PAVEMENT	TOTAL
Madison							
Mahaska						0.263	0.263
Marion	1.430		1.430			0.491	3.351
Marshall				0.320			0.320
Mills	0.558		0.558				1.116
Mitchell							
Monona	0.510		5.634				6.144
Monroe							
Montgomery							
Muscatine			0.260	0.350			0.610
O'Brien							
Osceola							
Page							
Palo Alto							
Plymouth			0.158			0.794	0.952
Pocahontas							
Polk				4.972	24.463	1.563	30.998
Pottawattamie				0.747	1.900	3.345	5.992
Poweshiek							
Ringgold	0.671		0.180				0.851

RURAL SECONDARY ROAD
GRADING AND SURFACING WORK ACCOMPLISHED ON THE AREA SERVICE SECONDARY SYSTEM

COUNTY	GRADED AND DRAINED EARTH	SOIL SURFACE	GRAVEL OR STONE	BITUMINOUS SURFACE	ASPHALT PAVEMENT	PORTLAND CEMENT CONCRETE PAVEMENT	TOTAL
Sac							
Scott							
Shelby							
Sioux							
Story					0.622		0.622
Tama							
Taylor							
Union							
Van Buren							
Wapello							
Warren			0.320	1.561		0.146	2.027
Washington			0.070				0.070
Wayne							
Webster					0.162		0.162
Winnebago							
Winneshiek					0.762		0.762
Woodbury							
Worth							
Wright							
TOTAL	26.460		37.799	27.652	42.071	10.741	144.723

MILES OF ALL OPEN RURAL SECONDARY ROADS IN IOWA
CLASSIFIED BY SYSTEM
Surfaced indicates roads that are gravel or paved

COUNTY	FARM-TO-MARKET			AREA SERVICE SECONDARY SYSTEM		
	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS
Adair		276.877	276.877	144.090	604.116	748.206
Adams		188.715	188.715	103.487	424.756	528.243
Allamakee		299.797	299.797	17.567	549.966	567.533
Appanoose	1.087	269.922	271.009	33.894	428.087	461.981
Audubon		272.700	272.700	37.154	451.753	488.907
Benton	3.449	353.590	357.039	90.746	759.731	850.477
Black Hawk		273.143	273.143	5.077	490.037	495.114
Boone		301.356	301.356	1.883	665.852	667.735
Bremer		190.630	190.630	4.232	515.654	519.886
Buchanan		332.766	332.766	25.288	572.635	597.923
Buena Vista		328.080	328.080	6.455	664.985	671.440
Butler		290.583	290.583	16.656	645.130	661.786
Calhoun		298.541	298.541	6.332	673.323	679.655
Carroll		350.611	350.611	14.953	621.862	636.815
Cass		258.087	258.087	141.122	501.354	642.476
Cedar	1.764	345.227	346.991	56.037	546.592	602.629
Cerro Gordo		317.741	317.741	8.766	617.329	626.095
Cherokee		304.157	304.157	23.219	666.595	689.814
Chickasaw	1.013	232.883	233.896	8.614	594.490	603.104
Clarke		246.533	246.533	71.408	339.925	411.333

MILES OF ALL OPEN RURAL SECONDARY ROADS IN IOWA
CLASSIFIED BY SYSTEM
Surfaced indicates roads that are gravel or paved

COUNTY	FARM-TO-MARKET			AREA SERVICE SECONDARY SYSTEM		
	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS
Clay		301.771	301.771	5.495	654.744	660.239
Clayton		403.012	403.012	26.341	633.255	659.596
Clinton		348.430	348.430	3.903	647.302	651.205
Crawford	2.874	376.617	379.491	185.959	651.119	837.078
Dallas		254.834	254.834	2.672	621.217	623.889
Davis		265.430	265.430	69.303	466.463	535.766
Decatur		303.380	303.380	81.429	369.540	450.969
Delaware		292.254	292.254	11.798	604.954	616.752
Des Moines		235.539	235.539	66.007	312.137	378.144
Dickinson		221.193	221.193	20.586	412.308	432.894
Dubuque		313.489	313.489	5.203	446.652	451.855
Emmet		178.244	178.244	6.046	459.789	465.835
Fayette		344.410	344.410	0.590	784.759	785.349
Floyd		242.038	242.038	2.022	624.870	626.892
Franklin		353.907	353.907	12.918	626.581	639.499
Fremont		253.961	253.961	131.288	360.888	492.176
Greene		315.388	315.388	4.916	637.165	642.081
Grundy		272.048	272.048	14.471	535.438	549.909
Guthrie		288.243	288.243	71.488	568.677	640.165
Hamilton		315.888	315.888	1.755	587.974	589.729

MILES OF ALL OPEN RURAL SECONDARY ROADS IN IOWA
CLASSIFIED BY SYSTEM
Surfaced indicates roads that are gravel or paved

COUNTY	FARM-TO-MARKET			AREA SERVICE SECONDARY SYSTEM		
	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS
Hancock		313.889	313.889	6.556	692.589	699.145
Hardin		370.593	370.593	5.207	596.094	601.301
Harrison	0.416	346.771	347.187	148.260	589.285	737.545
Henry		268.954	268.954	69.700	397.570	467.270
Howard		242.294	242.294	1.730	509.194	510.924
Humboldt		200.354	200.354	0.659	512.448	513.107
Ida		223.706	223.706	50.216	450.409	500.625
Iowa	0.391	354.595	354.986	76.327	498.127	574.454
Jackson	1.417	326.273	327.690	37.684	461.847	499.531
Jasper		399.788	399.788	49.163	766.050	815.213
Jefferson	1.895	281.097	282.992	97.234	369.275	466.509
Johnson		307.417	307.417	43.287	556.921	600.208
Jones	1.659	311.032	312.691	27.992	499.913	527.905
Keokuk		319.114	319.114	100.828	502.815	603.643
Kossuth		475.634	475.634	37.109	1,142.834	1,179.943
Lee		275.621	275.621	12.206	411.348	423.554
Linn		339.890	339.890	19.646	791.434	811.080
Louisa		239.410	239.410	38.735	290.523	329.258
Lucas		211.373	211.373	90.661	325.734	416.395
Lyon		318.818	318.818	3.696	674.512	678.208

MILES OF ALL OPEN RURAL SECONDARY ROADS IN IOWA
CLASSIFIED BY SYSTEM
Surfaced indicates roads that are gravel or paved

COUNTY	FARM-TO-MARKET			AREA SERVICE SECONDARY SYSTEM		
	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS
Madison		321.659	321.659	47.283	535.405	582.688
Mahaska		297.435	297.435	37.863	624.725	662.588
Marion		302.566	302.566	45.798	505.318	551.116
Marshall		309.747	309.747	21.543	598.650	620.193
Mills		223.504	223.504	77.066	354.237	431.303
Mitchell		239.492	239.492	5.754	536.800	542.554
Monona		356.988	356.988	99.066	603.405	702.471
Monroe		276.067	276.067	44.784	280.565	325.349
Montgomery		223.809	223.809	108.824	386.932	495.756
Muscatine	0.361	215.662	216.023	18.895	371.284	390.179
O'Brien		312.012	312.012	62.225	641.319	703.544
Osceola		244.214	244.214	50.240	430.308	480.548
Page		321.608	321.608	159.981	435.960	595.941
Palo Alto		302.562	302.562	0.370	636.424	636.794
Plymouth		347.219	347.219	44.038	1,032.401	1,076.439
Pocahontas		299.651	299.651	20.755	678.520	699.275
Polk		345.999	345.999	1.498	404.926	406.424
Pottawattamie		542.669	542.669	86.189	793.405	879.594
Poweshiek	3.909	324.209	328.118	118.356	523.806	642.162
Ringgold	1.839	270.411	272.250	206.474	391.088	597.562

MILES OF ALL OPEN RURAL SECONDARY ROADS IN IOWA
CLASSIFIED BY SYSTEM
Surfaced indicates roads that are gravel or paved

COUNTY	FARM-TO-MARKET			AREA SERVICE SECONDARY SYSTEM		
	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS
Sac		327.739	327.739	23.211	668.289	691.500
Scott	0.870	205.050	205.920	11.651	331.746	343.397
Shelby	37.358	256.057	293.415	157.200	506.327	663.527
Sioux	0.951	423.729	424.680	48.438	882.168	930.606
Story		360.498	360.498	25.746	554.300	580.046
Tama	0.938	353.764	354.702	82.705	710.989	793.694
Taylor	0.721	326.054	326.775	117.377	462.467	579.844
Union		246.658	246.658	107.337	342.562	449.899
Van Buren		257.200	257.200	53.119	423.765	476.884
Wapello		274.165	274.165	36.761	381.814	418.575
Warren		313.734	313.734	78.275	483.952	562.227
Washington		351.601	351.601	88.438	452.888	541.326
Wayne	1.013	296.534	297.547	63.258	464.004	527.262
Webster		393.346	393.346	3.903	766.969	770.872
Winnebago		200.419	200.419	4.631	511.134	515.765
Winneshiek		345.913	345.913	4.116	692.824	696.940
Woodbury		367.194	367.194	68.103	889.317	957.420
Worth		235.429	235.429	2.199	448.690	450.889
Wright		229.728	229.728	2.124	733.413	735.537
TOTAL	63.925	29,580.933	29,644.858	4,693.660	54,852.022	59,545.682

MILES OF RURAL PRIMARY ROADS AND SECONDARY ROADS IN IOWA
CLASSIFIED BY SYSTEM

COUNTY	PRIMARY SYSTEM	SECONDARY SYSTEM			TOTAL OPEN ROADS ALL SYSTEMS
		FARM TO MARKET	AREA SERVICE SECONDARY	TOTAL FOR SECONDARY SYSTEM	
Adair	74.382	276.877	748.206	1,025.083	1,099.465
Adams	46.284	188.715	528.243	716.958	763.242
Allamakee	89.662	299.797	567.533	867.330	956.992
Appanoose	71.847	271.009	461.981	732.990	804.837
Audubon	43.134	272.700	488.907	761.607	804.741
Benton	134.664	357.039	850.477	1,207.516	1,342.180
Black Hawk	93.813	273.143	495.114	768.257	862.070
Boone	87.580	301.356	667.735	969.091	1,056.671
Bremer	84.631	190.630	519.886	710.516	795.147
Buchanan	108.007	332.766	597.923	930.689	1,038.696
Buena Vista	90.626	328.080	671.440	999.520	1,090.146
Butler	73.350	290.583	661.786	952.369	1,025.719
Calhoun	79.333	298.541	679.655	978.196	1,057.529
Carroll	74.117	350.611	636.815	987.426	1,061.543
Cass	141.442	258.087	642.476	900.563	1,042.005
Cedar	88.136	346.991	602.629	949.620	1,037.756
Cerro Gordo	94.680	317.741	626.095	943.836	1,038.516
Cherokee	67.852	304.157	689.814	993.971	1,061.823
Chickasaw	66.538	233.896	603.104	837.000	903.538
Clarke	60.955	246.533	411.333	657.866	718.821

MILES OF RURAL PRIMARY ROADS AND SECONDARY ROADS IN IOWA
CLASSIFIED BY SYSTEM

COUNTY	PRIMARY SYSTEM	SECONDARY SYSTEM			TOTAL OPEN ROADS ALL SYSTEMS
		FARM TO MARKET	AREA SERVICE SECONDARY	TOTAL FOR SECONDARY SYSTEM	
Clay	58.664	301.771	660.239	962.010	1,020.674
Clayton	105.034	403.012	659.596	1,062.608	1,167.642
Clinton	107.258	348.430	651.205	999.635	1,106.893
Crawford	96.669	379.491	837.078	1,216.569	1,313.238
Dallas	119.244	254.834	623.889	878.723	997.967
Davis	57.483	265.430	535.766	801.196	858.679
Decatur	91.521	303.380	450.969	754.349	845.870
Delaware	93.460	292.254	616.752	909.006	1,002.466
Des Moines	57.683	235.539	378.144	613.683	671.366
Dickinson	49.732	221.193	432.894	654.087	703.819
Dubuque	112.927	313.489	451.855	765.344	878.271
Emmet	53.001	178.244	465.835	644.079	697.080
Fayette	125.737	344.410	785.349	1,129.759	1,255.496
Floyd	63.864	242.038	626.892	868.930	932.794
Franklin	78.667	353.907	639.499	993.406	1,072.073
Fremont	121.668	253.961	492.176	746.137	867.805
Greene	76.077	315.388	642.081	957.469	1,033.546
Grundy	69.994	272.048	549.909	821.957	891.951
Guthrie	95.854	288.243	640.165	928.408	1,024.262
Hamilton	149.696	315.888	589.729	905.617	1,055.313

MILES OF RURAL PRIMARY ROADS AND SECONDARY ROADS IN IOWA
CLASSIFIED BY SYSTEM

COUNTY	PRIMARY SYSTEM	SECONDARY SYSTEM			TOTAL OPEN ROADS ALL SYSTEMS
		FARM TO MARKET	AREA SERVICE SECONDARY	TOTAL FOR SECONDARY SYSTEM	
Hancock	56.774	313.889	699.145	1,013.034	1,069.808
Hardin	92.041	370.593	601.301	971.894	1,063.935
Harrison	124.496	347.187	737.545	1,084.732	1,209.228
Henry	60.124	268.954	467.270	736.224	796.348
Howard	42.696	242.294	510.924	753.218	795.914
Humboldt	38.909	200.354	513.107	713.461	752.370
Ida	60.226	223.706	500.625	724.331	784.557
Iowa	104.463	354.986	574.454	929.440	1,033.903
Jackson	112.991	327.690	499.531	827.221	940.212
Jasper	136.423	399.788	815.213	1,215.001	1,351.424
Jefferson	42.094	282.992	466.509	749.501	791.595
Johnson	127.478	307.417	600.208	907.625	1,035.103
Jones	98.346	312.691	527.905	840.596	938.942
Keokuk	114.229	319.114	603.643	922.757	1,036.986
Kossuth	109.568	475.634	1,179.943	1,655.577	1,765.145
Lee	119.929	275.621	423.554	699.175	819.104
Linn	105.972	339.890	811.080	1,150.970	1,256.942
Louisa	58.927	239.410	329.258	568.668	627.595
Lucas	62.172	211.373	416.395	627.768	689.940
Lyon	74.693	318.818	678.208	997.026	1,071.719

MILES OF RURAL PRIMARY ROADS AND SECONDARY ROADS IN IOWA
CLASSIFIED BY SYSTEM

COUNTY	PRIMARY SYSTEM	SECONDARY SYSTEM			TOTAL OPEN ROADS ALL SYSTEMS
		FARM TO MARKET	AREA SERVICE SECONDARY	TOTAL FOR SECONDARY SYSTEM	
Madison	52.583	321.659	582.688	904.347	956.930
Mahaska	94.054	297.435	662.588	960.023	1,054.077
Marion	97.166	302.566	551.116	853.682	950.848
Marshall	84.260	309.747	620.193	929.940	1,014.200
Mills	102.830	223.504	431.303	654.807	757.637
Mitchell	50.777	239.492	542.554	782.046	832.823
Monona	108.509	356.988	702.471	1,059.459	1,167.968
Monroe	54.246	276.067	325.349	601.416	655.662
Montgomery	62.727	223.809	495.756	719.565	782.292
Muscatine	89.622	216.023	390.179	606.202	695.824
O'Brien	77.071	312.012	703.544	1,015.556	1,092.627
Osceola	58.896	244.214	480.548	724.762	783.658
Page	66.587	321.608	595.941	917.549	984.136
Palo Alto	51.179	302.562	636.794	939.356	990.535
Plymouth	110.862	347.219	1,076.439	1,423.658	1,534.520
Pocahontas	90.462	299.651	699.275	998.926	1,089.388
Polk	142.566	345.999	406.424	752.423	894.989
Pottawattamie	251.574	542.669	879.594	1,422.263	1,673.837
Poweshiek	124.266	328.118	642.162	970.280	1,094.546
Ringgold	72.131	272.250	597.562	869.812	941.943

MILES OF RURAL PRIMARY ROADS AND SECONDARY ROADS IN IOWA
CLASSIFIED BY SYSTEM

COUNTY	PRIMARY SYSTEM	SECONDARY SYSTEM			TOTAL OPEN ROADS ALL SYSTEMS
		FARM TO MARKET	AREA SERVICE SECONDARY	TOTAL FOR SECONDARY SYSTEM	
Sac	88.221	327.739	691.500	1,019.239	1,107.460
Scott	72.185	205.920	343.397	549.317	621.502
Shelby	76.723	293.415	663.527	956.942	1,033.665
Sioux	107.052	424.680	930.606	1,355.286	1,462.338
Story	118.062	360.498	580.046	940.544	1,058.606
Tama	87.538	354.702	793.694	1,148.396	1,235.934
Taylor	68.964	326.775	579.844	906.619	975.583
Union	56.860	246.658	449.899	696.557	753.417
Van Buren	72.090	257.200	476.884	734.084	806.174
Wapello	55.499	274.165	418.575	692.740	748.239
Warren	116.808	313.734	562.227	875.961	992.769
Washington	115.513	351.601	541.326	892.927	1,008.440
Wayne	58.676	297.547	527.262	824.809	883.485
Webster	100.815	393.346	770.872	1,164.218	1,265.033
Winnebago	41.292	200.419	515.765	716.184	757.476
Winneshiek	93.136	345.913	696.940	1,042.853	1,135.989
Woodbury	134.623	367.194	957.420	1,324.614	1,459.237
Worth	57.865	235.429	450.889	686.318	744.183
Wright	72.137	229.728	735.537	965.265	1,037.402
TOTAL	8,634.244	29,644.858	59,545.682	89,190.540	97,824.784

MILES OF RURAL PRIMARY ROADS AND SECONDARY ROADS IN IOWA
(SHOWING SURFACED AND NOT SURFACED)

Surfaced indicates roads that are gravel or paved

COUNTY	TOTAL OPEN SECONDARY SYSTEM			RURAL PRIMARY	TOTAL OPEN ALL RURAL SYSTEMS		
	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS	ALL SURFACED ROADS	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS
Adair	144.090	880.993	1,025.083	74.382	144.090	955.375	1,099.465
Adams	103.487	613.471	716.958	46.284	103.487	659.755	763.242
Allamakee	17.567	849.763	867.330	89.662	17.567	939.425	956.992
Appanoose	34.981	698.009	732.990	71.847	34.981	769.856	804.837
Audubon	37.154	724.453	761.607	43.134	37.154	767.587	804.741
Benton	94.195	1,113.321	1,207.516	134.664	94.195	1,247.985	1,342.180
Black Hawk	5.077	763.180	768.257	93.813	5.077	856.993	862.070
Boone	1.883	967.208	969.091	87.580	1.883	1,054.788	1,056.671
Bremer	4.232	706.284	710.516	84.631	4.232	790.915	795.147
Buchanan	25.288	905.401	930.689	108.007	25.288	1,013.408	1,038.696
Buena Vista	6.455	993.065	999.520	90.626	6.455	1,083.691	1,090.146
Butler	16.656	935.713	952.369	73.350	16.656	1,009.063	1,025.719
Calhoun	6.332	971.864	978.196	79.333	6.332	1,051.197	1,057.529
Carroll	14.953	972.473	987.426	74.117	14.953	1,046.590	1,061.543
Cass	141.122	759.441	900.563	141.442	141.122	900.883	1,042.005
Cedar	57.801	891.819	949.620	88.136	57.801	979.955	1,037.756
Cerro Gordo	8.766	935.070	943.836	94.680	8.766	1,029.750	1,038.516
Cherokee	23.219	970.752	993.971	67.852	23.219	1,038.604	1,061.823
Chickasaw	9.627	827.373	837.000	66.538	9.627	893.911	903.538
Clarke	71.408	586.458	657.866	60.955	71.408	647.413	718.821

MILES OF RURAL PRIMARY ROADS AND SECONDARY ROADS IN IOWA
(SHOWING SURFACED AND NOT SURFACED)
Surfaced indicates roads that are gravel or paved

COUNTY	TOTAL OPEN SECONDARY SYSTEM			RURAL PRIMARY	TOTAL OPEN ALL RURAL SYSTEMS		
	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS	ALL SURFACED ROADS	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS
Clay	5.495	956.515	962.010	58.664	5.495	1,015.179	1,020.674
Clayton	26.341	1,036.267	1,062.608	105.034	26.341	1,141.301	1,167.642
Clinton	3.903	995.732	999.635	107.258	3.903	1,102.990	1,106.893
Crawford	188.833	1,027.736	1,216.569	96.669	188.833	1,124.405	1,313.238
Dallas	2.672	876.051	878.723	119.244	2.672	995.295	997.967
Davis	69.303	731.893	801.196	57.483	69.303	789.376	858.679
Decatur	81.429	672.920	754.349	91.521	81.429	764.441	845.870
Delaware	11.798	897.208	909.006	93.460	11.798	990.668	1,002.466
Des Moines	66.007	547.676	613.683	57.683	66.007	605.359	671.366
Dickinson	20.586	633.501	654.087	49.732	20.586	683.233	703.819
Dubuque	5.203	760.141	765.344	112.927	5.203	873.068	878.271
Emmet	6.046	638.033	644.079	53.001	6.046	691.034	697.080
Fayette	0.590	1,129.169	1,129.759	125.737	0.590	1,254.906	1,255.496
Floyd	2.022	866.908	868.930	63.864	2.022	930.772	932.794
Franklin	12.918	980.488	993.406	78.667	12.918	1,059.155	1,072.073
Fremont	131.288	614.849	746.137	121.668	131.288	736.517	867.805
Greene	4.916	952.553	957.469	76.077	4.916	1,028.630	1,033.546
Grundy	14.471	807.486	821.957	69.994	14.471	877.480	891.951
Guthrie	71.488	856.920	928.408	95.854	71.488	952.774	1,024.262
Hamilton	1.755	903.862	905.617	149.696	1.755	1,053.558	1,055.313

MILES OF RURAL PRIMARY ROADS AND SECONDARY ROADS IN IOWA
(SHOWING SURFACED AND NOT SURFACED)

Surfaced indicates roads that are gravel or paved

COUNTY	TOTAL OPEN SECONDARY SYSTEM			RURAL PRIMARY	TOTAL OPEN ALL RURAL SYSTEMS		
	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS	ALL SURFACED ROADS	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS
Hancock	6.556	1,006.478	1,013.034	56.774	6.556	1,063.252	1,069.808
Hardin	5.207	966.687	971.894	92.041	5.207	1,058.728	1,063.935
Harrison	148.676	936.056	1,084.732	124.496	148.676	1,060.552	1,209.228
Henry	69.700	666.524	736.224	60.124	69.700	726.648	796.348
Howard	1.730	751.488	753.218	42.696	1.730	794.184	795.914
Humboldt	0.659	712.802	713.461	38.909	0.659	751.711	752.370
Ida	50.216	674.115	724.331	60.226	50.216	734.341	784.557
Iowa	76.718	852.722	929.440	104.463	76.718	957.185	1,033.903
Jackson	39.101	788.120	827.221	112.991	39.101	901.111	940.212
Jasper	49.163	1,165.838	1,215.001	136.423	49.163	1,302.261	1,351.424
Jefferson	99.129	650.372	749.501	42.094	99.129	692.466	791.595
Johnson	43.287	864.338	907.625	127.478	43.287	991.816	1,035.103
Jones	29.651	810.945	840.596	98.346	29.651	909.291	938.942
Keokuk	100.828	821.929	922.757	114.229	100.828	936.158	1,036.986
Kossuth	37.109	1,618.468	1,655.577	109.568	37.109	1,728.036	1,765.145
Lee	12.206	686.969	699.175	119.929	12.206	806.898	819.104
Linn	19.646	1,131.324	1,150.970	105.972	19.646	1,237.296	1,256.942
Louisa	38.735	529.933	568.668	58.927	38.735	588.860	627.595
Lucas	90.661	537.107	627.768	62.172	90.661	599.279	689.940
Lyon	3.696	993.330	997.026	74.693	3.696	1,068.023	1,071.719

MILES OF RURAL PRIMARY ROADS AND SECONDARY ROADS IN IOWA
(SHOWING SURFACED AND NOT SURFACED)
Surfaced indicates roads that are gravel or paved

COUNTY	TOTAL OPEN SECONDARY SYSTEM			RURAL PRIMARY	TOTAL OPEN ALL RURAL SYSTEMS		
	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS	ALL SURFACED ROADS	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS
Madison	47.283	857.064	904.347	52.583	47.283	909.647	956.930
Mahaska	37.863	922.160	960.023	94.054	37.863	1,016.214	1,054.077
Marion	45.798	807.884	853.682	97.166	45.798	905.050	950.848
Marshall	21.543	908.397	929.940	84.260	21.543	992.657	1,014.200
Mills	77.066	577.741	654.807	102.830	77.066	680.571	757.637
Mitchell	5.754	776.292	782.046	50.777	5.754	827.069	832.823
Monona	99.066	960.393	1,059.459	108.509	99.066	1,068.902	1,167.968
Monroe	44.784	556.632	601.416	54.246	44.784	610.878	655.662
Montgomery	108.824	610.741	719.565	62.727	108.824	673.468	782.292
Muscatine	19.256	586.946	606.202	89.622	19.256	676.568	695.824
O'Brien	62.225	953.331	1,015.556	77.071	62.225	1,030.402	1,092.627
Osceola	50.240	674.522	724.762	58.896	50.240	733.418	783.658
Page	159.981	757.568	917.549	66.587	159.981	824.155	984.136
Palo Alto	0.370	938.986	939.356	51.179	0.370	990.165	990.535
Plymouth	44.038	1,379.620	1,423.658	110.862	44.038	1,490.482	1,534.520
Pocahontas	20.755	978.171	998.926	90.462	20.755	1,068.633	1,089.388
Polk	1.498	750.925	752.423	142.566	1.498	893.491	894.989
Pottawattamie	86.189	1,336.074	1,422.263	251.574	86.189	1,587.648	1,673.837
Poweshiek	122.265	848.015	970.280	124.266	122.265	972.281	1,094.546
Ringgold	208.313	661.499	869.812	72.131	208.313	733.630	941.943

MILES OF RURAL PRIMARY ROADS AND SECONDARY ROADS IN IOWA
(SHOWING SURFACED AND NOT SURFACED)
Surfaced indicates roads that are gravel or paved

COUNTY	TOTAL OPEN SECONDARY SYSTEM			RURAL PRIMARY	TOTAL OPEN ALL RURAL SYSTEMS		
	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS	ALL SURFACED ROADS	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS
Sac	23.211	996.028	1,019.239	88.221	23.211	1,084.249	1,107.460
Scott	12.521	536.796	549.317	72.185	12.521	608.981	621.502
Shelby	194.558	762.384	956.942	76.723	194.558	839.107	1,033.665
Sioux	49.389	1,305.897	1,355.286	107.052	49.389	1,412.949	1,462.338
Story	25.746	914.798	940.544	118.062	25.746	1,032.860	1,058.606
Tama	83.643	1,064.753	1,148.396	87.538	83.643	1,152.291	1,235.934
Taylor	118.098	788.521	906.619	68.964	118.098	857.485	975.583
Union	107.337	589.220	696.557	56.860	107.337	646.080	753.417
Van Buren	53.119	680.965	734.084	72.090	53.119	753.055	806.174
Wapello	36.761	655.979	692.740	55.499	36.761	711.478	748.239
Warren	78.275	797.686	875.961	116.808	78.275	914.494	992.769
Washington	88.438	804.489	892.927	115.513	88.438	920.002	1,008.440
Wayne	64.271	760.538	824.809	58.676	64.271	819.214	883.485
Webster	3.903	1,160.315	1,164.218	100.815	3.903	1,261.130	1,265.033
Winnebago	4.631	711.553	716.184	41.292	4.631	752.845	757.476
Winneshiek	4.116	1,038.737	1,042.853	93.136	4.116	1,131.873	1,135.989
Woodbury	68.103	1,256.511	1,324.614	134.623	68.103	1,391.134	1,459.237
Worth	2.199	684.119	686.318	57.865	2.199	741.984	744.183
Wright	2.124	963.141	965.265	72.137	2.124	1,035.278	1,037.402
TOTAL	4,757.585	84,432.955	89,190.540	8,634.244	4,757.585	93,067.199	97,824.784

MILES

MILES OF RURAL SECONDARY ROADS FOR ALL SYSTEMS (AREA SERVICE AND FM) CLASSIFIED BY SURFACE TYPE

COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Adair	2.063	1.541	142.549		146.153	794.778	8.128	78.087	880.993	1,027.146	1,025.083
Adams	0.920		103.487		104.407	515.950	0.112	97.409	613.471	717.878	716.958
Allamakee	11.508	13.171	4.396		29.075	702.424	1.983	145.356	849.763	878.838	867.330
Appanoose	11.989	0.221	34.760		46.970	607.030	1.573	89.406	698.009	744.979	732.990
Audubon	1.401	0.640	36.514		38.555	633.099	4.555	86.799	724.453	763.008	761.607
Benton	3.383		94.195		97.578	929.905	1.349	182.067	1,113.321	1,210.899	1,207.516
Black Hawk	1.472	0.721	4.356		6.549	526.432	19.993	216.755	763.180	769.729	768.257
Boone	4.965		0.870	1.013	6.848	782.535	2.572	182.101	967.208	974.056	969.091
Bremer	0.746	2.343	1.889		4.978	572.798	0.935	132.551	706.284	711.262	710.516
Buchanan	0.864	1.022	23.746	0.520	26.152	743.492	3.225	158.684	905.401	931.553	930.689
Buena Vista	4.009	3.706	2.749		10.464	748.888	0.375	243.802	993.065	1,003.529	999.520
Butler	5.636		16.656		22.292	736.071	0.447	199.195	935.713	958.005	952.369
Calhoun		1.500	4.832		6.332	810.809	2.327	158.728	971.864	978.196	978.196
Carroll	2.958	2.399	12.554		17.911	802.006	0.466	170.001	972.473	990.384	987.426
Cass	1.780	1.373	139.749		142.902	652.019	8.528	98.894	759.441	902.343	900.563
Cedar	3.753	2.075	55.726		61.554	755.086	3.486	133.247	891.819	953.373	949.620
Cerro Gordo	4.395	4.727	4.039		13.161	702.938	3.590	228.542	935.070	948.231	943.836
Cherokee	5.850	1.411	21.808		29.069	768.890		201.862	970.752	999.821	993.971
Chickasaw	2.017	4.699	4.928		11.644	692.616	0.727	134.030	827.373	839.017	837.000
Clarke	3.604	0.062	71.346		75.012	534.951	5.232	46.275	586.458	661.470	657.866

MILES OF RURAL SECONDARY ROADS FOR ALL SYSTEMS (AREA SERVICE AND FM) CLASSIFIED BY SURFACE TYPE

COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Clay		2.604	2.891		5.495	747.776		208.739	956.515	962.010	962.010
Clayton	13.149	10.148	16.193		39.490	857.510	5.632	173.125	1,036.267	1,075.757	1,062.608
Clinton	7.237	0.566	3.337		11.140	788.248	1.803	205.681	995.732	1,006.872	999.635
Crawford	10.727	2.548	182.606	3.679	199.560	892.181	1.037	134.518	1,027.736	1,227.296	1,216.569
Dallas	5.532		2.672		8.204	692.146	4.448	179.457	876.051	884.255	878.723
Davis	5.310	1.099	68.204		74.613	652.542	0.410	78.941	731.893	806.506	801.196
Decatur	13.479	0.118	81.311		94.908	516.913	57.466	98.541	672.920	767.828	754.349
Delaware	3.890	4.266	7.532		15.688	684.005	1.945	211.258	897.208	912.896	909.006
Des Moines	1.926	4.766	61.241		67.933	451.577	0.031	96.068	547.676	615.609	613.683
Dickinson	5.592	17.554	3.032		26.178	462.664	5.193	165.644	633.501	659.679	654.087
Dubuque	9.967	2.985	2.218		15.170	377.566	169.542	213.033	760.141	775.311	765.344
Emmet	0.864	3.032	3.014		6.910	458.094		179.939	638.033	644.943	644.079
Fayette	4.248	0.559	0.031		4.838	913.808	1.826	213.535	1,129.169	1,134.007	1,129.759
Floyd	1.937	1.000	1.022		3.959	712.965	9.660	144.283	866.908	870.867	868.930
Franklin	2.554	1.895	11.023		15.472	785.409		195.079	980.488	995.960	993.406
Fremont	4.002	1.895	129.393		135.290	450.823	106.051	57.975	614.849	750.139	746.137
Greene	4.660	1.749	3.167		9.576	745.566		206.987	952.553	962.129	957.469
Grundy	0.292	9.259	5.212		14.763	633.967	1.516	172.003	807.486	822.249	821.957
Guthrie	10.442	1.361	70.127		81.930	740.171	2.014	114.735	856.920	938.850	928.408
Hamilton	0.745	0.329	1.426		2.500	716.896	0.441	186.525	903.862	906.362	905.617

MILES OF RURAL SECONDARY ROADS FOR ALL SYSTEMS (AREA SERVICE AND FM) CLASSIFIED BY SURFACE TYPE

COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Hancock	6.834	5.095	1.461		13.390	760.865	1.793	243.820	1,006.478	1,019.868	1,013.034
Hardin	2.355	0.590	4.617		7.562	786.716	3.902	176.069	966.687	974.249	971.894
Harrison	15.624	4.989	143.488	0.199	164.300	792.275	60.661	83.120	936.056	1,100.356	1,084.732
Henry	2.844		69.700		72.544	550.520	0.982	115.022	666.524	739.068	736.224
Howard	3.497		1.730		5.227	639.875	2.395	109.218	751.488	756.715	753.218
Humboldt	0.777	0.149	0.510		1.436	519.449	0.249	193.104	712.802	714.238	713.461
Ida	8.968	2.522	47.694		59.184	550.013		124.102	674.115	733.299	724.331
Iowa	8.999	1.347	75.371		85.717	703.128	3.680	145.914	852.722	938.439	929.440
Jackson	6.239	2.883	36.218		45.340	626.111	4.592	157.417	788.120	833.460	827.221
Jasper	7.109	1.243	47.920		56.272	964.501	18.764	182.573	1,165.838	1,222.110	1,215.001
Jefferson		0.267	98.862		99.129	523.471	2.415	124.486	650.372	749.501	749.501
Johnson	1.907	3.232	39.796	0.259	45.194	591.322	133.431	139.585	864.338	909.532	907.625
Jones	4.511	1.522	28.129		34.162	659.404	1.035	150.506	810.945	845.107	840.596
Keokuk	4.686	3.753	97.075		105.514	733.158	0.578	88.193	821.929	927.443	922.757
Kossuth	1.675	19.872	17.237		38.784	1,120.435	0.324	497.709	1,618.468	1,657.252	1,655.577
Lee	2.348	3.977	8.229		14.554	538.479	21.405	127.085	686.969	701.523	699.175
Linn	13.038	0.224	19.422		32.684	834.268	49.777	247.279	1,131.324	1,164.008	1,150.970
Louisa	2.330	0.621	38.114		41.065	414.890	5.983	109.060	529.933	570.998	568.668
Lucas	4.031		90.661		94.692	488.703		48.404	537.107	631.799	627.768
Lyon	1.654	2.348	1.348		5.350	754.936	0.491	237.903	993.330	998.680	997.026

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COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Madison	7.431	8.532	38.751		54.714	757.306	0.031	99.727	857.064	911.778	904.347
Mahaska	9.627	5.084	32.779		47.490	817.541		104.619	922.160	969.650	960.023
Marion	5.635	0.844	44.867	0.087	51.433	667.003	30.252	110.629	807.884	859.317	853.682
Marshall	4.981	0.677	20.866		26.524	716.803	2.315	189.279	908.397	934.921	929.940
Mills	0.449	0.938	76.128		77.515	445.099	77.412	55.230	577.741	655.256	654.807
Mitchell	1.585	0.957	4.797		7.339	611.567	16.309	148.416	776.292	783.631	782.046
Monona	12.216	8.859	90.207		111.282	774.998	1.665	183.730	960.393	1,071.675	1,059.459
Monroe	20.462	0.320	44.464		65.246	498.063	4.467	54.102	556.632	621.878	601.416
Montgomery	1.077	0.342	108.482		109.901	504.560	1.978	104.203	610.741	720.642	719.565
Muscatine	2.407	3.695	15.561		21.663	418.779	41.492	126.675	586.946	608.609	606.202
O'Brien	3.444	0.135	62.090		65.669	737.270		216.061	953.331	1,019.000	1,015.556
Osceola	1.299	0.994	49.246		51.539	479.422		195.100	674.522	726.061	724.762
Page	3.027	2.517	157.464		163.008	549.675	109.675	98.218	757.568	920.576	917.549
Palo Alto	3.428	0.249	0.121		3.798	770.356	1.080	167.550	938.986	942.784	939.356
Plymouth	3.039	4.521	39.517		47.077	1,021.392	0.956	357.272	1,379.620	1,426.697	1,423.658
Pocahontas	0.293	3.523	17.232		21.048	792.921		185.250	978.171	999.219	998.926
Polk	13.245	0.715	0.783		14.743	318.119	31.226	401.580	750.925	765.668	752.423
Pottawattamie	16.344	0.864	85.325		102.533	1,151.186	26.915	157.973	1,336.074	1,438.607	1,422.263
Poweshiek	5.884	2.622	119.643		128.149	739.045	9.992	98.978	848.015	976.164	970.280
Ringgold	20.685	9.545	198.768		228.998	531.403	64.140	65.956	661.499	890.497	869.812

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	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Sac	1.660	0.500	22.711		24.871	800.499	0.982	194.547	996.028	1,020.899	1,019.239
Scott	1.529	5.953	6.568		14.050	364.595	5.164	167.037	536.796	550.846	549.317
Shelby	9.377	0.497	149.217	44.844	203.935	641.802	5.506	115.076	762.384	966.319	956.942
Sioux	11.392	4.757	44.632		60.781	1,039.579	0.398	265.920	1,305.897	1,366.678	1,355.286
Story	0.400	0.659	25.087		26.146	710.026	8.055	196.717	914.798	940.944	940.544
Tama	8.072	2.772	80.871		91.715	896.511	0.957	167.285	1,064.753	1,156.468	1,148.396
Taylor	2.374	4.617	113.481		120.472	695.386	8.426	84.709	788.521	908.993	906.619
Union	2.609	2.212	105.125		109.946	496.775	27.807	64.638	589.220	699.166	696.557
Van Buren	10.118	1.516	51.603		63.237	591.113	3.256	86.596	680.965	744.202	734.084
Wapello	8.569		36.761		45.330	526.035	8.761	121.183	655.979	701.309	692.740
Warren	1.360		78.275		79.635	661.700	2.687	133.299	797.686	877.321	875.961
Washington	14.317	1.185	87.253		102.755	671.543	7.450	125.496	804.489	907.244	892.927
Wayne	5.490	0.373	63.898		69.761	658.636		101.902	760.538	830.299	824.809
Webster	3.275		3.903		7.178	873.630	9.195	277.490	1,160.315	1,167.493	1,164.218
Winnebago	2.037	4.631			6.668	567.537	0.162	143.854	711.553	718.221	716.184
Winneshiek	9.513	1.419	2.697		13.629	827.938	8.608	202.191	1,038.737	1,052.366	1,042.853
Woodbury	13.141	2.084	66.019		81.244	953.569	0.243	302.699	1,256.511	1,337.755	1,324.614
Worth	6.792	0.708	1.491		8.991	477.464	3.669	202.986	684.119	693.110	686.318
Wright	0.603	1.516	0.608		2.727	795.674	0.271	167.196	963.141	965.868	965.265
TOTAL	528.478	255.310	4,451.674	50.601	5,286.063	67,398.583	1,272.577	15,761.795	84,432.955	89,719.018	89,190.540

MILES OF RURAL SECONDARY ROADS ON THE FARM-TO-MARKET SYSTEM CLASSIFIED BY SURFACE TYPE

COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Adair						195.080	4.002	77.795	276.877	276.877	276.877
Adams						96.247		92.468	188.715	188.715	188.715
Allamakee						156.659	0.783	142.355	299.797	299.797	299.797
Appanoose			1.087		1.087	189.670	0.249	80.003	269.922	271.009	271.009
Audubon						185.065	2.202	85.433	272.700	272.700	272.700
Benton	0.500		3.449		3.949	177.850	0.211	175.529	353.590	357.539	357.039
Black Hawk	0.298				0.298	59.023	3.865	210.255	273.143	273.441	273.143
Boone						126.895	1.143	173.318	301.356	301.356	301.356
Bremer						63.212		127.418	190.630	190.630	190.630
Buchanan						176.561	2.268	153.937	332.766	332.766	332.766
Buena Vista						91.913		236.167	328.080	328.080	328.080
Butler						97.142		193.441	290.583	290.583	290.583
Calhoun						142.857	0.249	155.435	298.541	298.541	298.541
Carroll	0.485				0.485	188.632	0.398	161.581	350.611	351.096	350.611
Cass						159.883	4.033	94.171	258.087	258.087	258.087
Cedar			1.764		1.764	222.754	0.379	122.094	345.227	346.991	346.991
Cerro Gordo	0.406				0.406	104.263	0.031	213.447	317.741	318.147	317.741
Cherokee	1.585				1.585	108.772		195.385	304.157	305.742	304.157
Chickasaw			1.013		1.013	99.077		133.806	232.883	233.896	233.896
Clarke						195.654	4.604	46.275	246.533	246.533	246.533

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COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Clay						101.522		200.249	301.771	301.771	301.771
Clayton						236.395	1.964	164.653	403.012	403.012	403.012
Clinton	0.089				0.089	168.137	0.236	180.057	348.430	348.519	348.430
Crawford			1.457	1.417	2.874	245.567	0.130	130.920	376.617	379.491	379.491
Dallas						86.443	1.964	166.427	254.834	254.834	254.834
Davis						191.398	0.410	73.622	265.430	265.430	265.430
Decatur						169.129	42.980	91.271	303.380	303.380	303.380
Delaware						96.005	1.075	195.174	292.254	292.254	292.254
Des Moines						155.557		79.982	235.539	235.539	235.539
Dickinson						89.209		131.984	221.193	221.193	221.193
Dubuque						56.828	82.179	174.482	313.489	313.489	313.489
Emmet						11.032		167.212	178.244	178.244	178.244
Fayette						134.718	0.130	209.562	344.410	344.410	344.410
Floyd						106.836	4.362	130.840	242.038	242.038	242.038
Franklin						166.271		187.636	353.907	353.907	353.907
Fremont						101.067	101.455	51.439	253.961	253.961	253.961
Greene						109.314		206.074	315.388	315.388	315.388
Grundy						100.033	1.168	170.847	272.048	272.048	272.048
Guthrie						179.900	1.268	107.075	288.243	288.243	288.243
Hamilton						130.367		185.521	315.888	315.888	315.888

MILES OF RURAL SECONDARY ROADS ON THE FARM-TO-MARKET SYSTEM
CLASSIFIED BY SURFACE TYPE

COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Hancock	0.528				0.528	75.812		238.077	313.889	314.417	313.889
Hardin						198.539	1.261	170.793	370.593	370.593	370.593
Harrison			0.217	0.199	0.416	210.796	52.905	83.070	346.771	347.187	347.187
Henry	0.081				0.081	161.149	0.261	107.544	268.954	269.035	268.954
Howard						133.156	1.401	107.737	242.294	242.294	242.294
Humboldt						20.526		179.828	200.354	200.354	200.354
Ida						105.175		118.531	223.706	223.706	223.706
Iowa	1.007		0.391		1.398	217.749	3.136	133.710	354.595	355.993	354.986
Jackson	0.249		1.417		1.666	180.840	0.671	144.762	326.273	327.939	327.690
Jasper						221.155	2.802	175.831	399.788	399.788	399.788
Jefferson			1.895		1.895	167.543	0.265	113.289	281.097	282.992	282.992
Johnson						77.631	98.792	130.994	307.417	307.417	307.417
Jones			1.659		1.659	168.394		142.638	311.032	312.691	312.691
Keokuk						231.449		87.665	319.114	319.114	319.114
Kossuth						67.628		408.006	475.634	475.634	475.634
Lee	0.360				0.360	149.032	11.805	114.784	275.621	275.981	275.621
Linn	1.000				1.000	112.969	26.269	200.652	339.890	340.890	339.890
Louisa						133.377	0.130	105.903	239.410	239.410	239.410
Lucas						163.183		48.190	211.373	211.373	211.373
Lyon						93.071		225.747	318.818	318.818	318.818

MILES OF RURAL SECONDARY ROADS ON THE FARM-TO-MARKET SYSTEM
CLASSIFIED BY SURFACE TYPE

COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Madison						221.969	0.031	99.659	321.659	321.659	321.659
Mahaska						203.322		94.113	297.435	297.435	297.435
Marion	0.263				0.263	196.910	9.306	96.350	302.566	302.829	302.566
Marshall	0.012				0.012	129.365	1.007	179.375	309.747	309.759	309.747
Mills						97.632	74.472	51.400	223.504	223.504	223.504
Mitchell						82.665	9.480	147.347	239.492	239.492	239.492
Monona						173.250	1.218	182.520	356.988	356.988	356.988
Monroe						229.198	3.927	42.942	276.067	276.067	276.067
Montgomery	0.500				0.500	121.058	1.599	101.152	223.809	224.309	223.809
Muscatine	1.337		0.361		1.698	81.213	22.313	112.136	215.662	217.360	216.023
O'Brien						100.090		211.922	312.012	312.012	312.012
Osceola						58.718		185.496	244.214	244.214	244.214
Page						120.511	106.142	94.955	321.608	321.608	321.608
Palo Alto						142.693	0.037	159.832	302.562	302.562	302.562
Plymouth						18.466		328.753	347.219	347.219	347.219
Pocahontas						122.237		177.414	299.651	299.651	299.651
Polk	1.441				1.441	81.407	9.625	254.967	345.999	347.440	345.999
Pottawattamie	1.000				1.000	386.410	12.850	143.409	542.669	543.669	542.669
Poweshiek			3.909		3.909	224.740	4.654	94.815	324.209	328.118	328.118
Ringgold			1.839		1.839	157.472	46.983	65.956	270.411	272.250	272.250

MILES OF RURAL SECONDARY ROADS ON THE FARM-TO-MARKET SYSTEM CLASSIFIED BY SURFACE TYPE

COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Sac						135.504	0.522	191.713	327.739	327.739	327.739
Scott			0.870		0.870	70.802	1.013	133.235	205.050	205.920	205.920
Shelby			0.438	36.920	37.358	136.656	5.506	113.895	256.057	293.415	293.415
Sioux			0.951		0.951	164.787		258.942	423.729	424.680	424.680
Story						174.847	5.978	179.673	360.498	360.498	360.498
Tama			0.938		0.938	193.285	0.249	160.230	353.764	354.702	354.702
Taylor			0.721		0.721	235.883	8.283	81.888	326.054	326.775	326.775
Union						167.250	22.314	57.094	246.658	246.658	246.658
Van Buren	0.595				0.595	173.183	2.914	81.103	257.200	257.795	257.200
Wapello						154.767	7.332	112.066	274.165	274.165	274.165
Warren						194.122	0.914	118.698	313.734	313.734	313.734
Washington						223.328	6.512	121.761	351.601	351.601	351.601
Wayne			1.013		1.013	203.425		93.109	296.534	297.547	297.547
Webster						134.585	0.087	258.674	393.346	393.346	393.346
Winnebago	0.527				0.527	58.606		141.813	200.419	200.946	200.419
Winneshiek						146.421	5.221	194.271	345.913	345.913	345.913
Woodbury						84.288		282.906	367.194	367.194	367.194
Worth						63.292	0.500	171.637	235.429	235.429	235.429
Wright						64.962		164.766	229.728	229.728	229.728
TOTAL	12.263		25.389	38.536	76.188	14,091.430	834.425	14,655.078	29,580.933	29,657.121	29,644.858

MILES OF RURAL SECONDARY ROADS ON THE AREA SERVICE SYSTEM (NON- FM)
CLASSIFIED BY SURFACE TYPE

COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Adair	2.063	1.541	142.549		146.153	599.698	4.126	0.292	604.116	750.269	748.206
Adams	0.920		103.487		104.407	419.703	0.112	4.941	424.756	529.163	528.243
Allamakee	11.508	13.171	4.396		29.075	545.765	1.200	3.001	549.966	579.041	567.533
Appanoose	11.989	0.221	33.673		45.883	417.360	1.324	9.403	428.087	473.970	461.981
Audubon	1.401	0.640	36.514		38.555	448.034	2.353	1.366	451.753	490.308	488.907
Benton	2.883		90.746		93.629	752.055	1.138	6.538	759.731	853.360	850.477
Black Hawk	1.174	0.721	4.356		6.251	467.409	16.128	6.500	490.037	496.288	495.114
Boone	4.965		0.870	1.013	6.848	655.640	1.429	8.783	665.852	672.700	667.735
Bremer	0.746	2.343	1.889		4.978	509.586	0.935	5.133	515.654	520.632	519.886
Buchanan	0.864	1.022	23.746	0.520	26.152	566.931	0.957	4.747	572.635	598.787	597.923
Buena Vista	4.009	3.706	2.749		10.464	656.975	0.375	7.635	664.985	675.449	671.440
Butler	5.636		16.656		22.292	638.929	0.447	5.754	645.130	667.422	661.786
Calhoun		1.500	4.832		6.332	667.952	2.078	3.293	673.323	679.655	679.655
Carroll	2.473	2.399	12.554		17.426	613.374	0.068	8.420	621.862	639.288	636.815
Cass	1.780	1.373	139.749		142.902	492.136	4.495	4.723	501.354	644.256	642.476
Cedar	3.753	2.075	53.962		59.790	532.332	3.107	11.153	546.592	606.382	602.629
Cerro Gordo	3.989	4.727	4.039		12.755	598.675	3.559	15.095	617.329	630.084	626.095
Cherokee	4.265	1.411	21.808		27.484	660.118		6.477	666.595	694.079	689.814
Chickasaw	2.017	4.699	3.915		10.631	593.539	0.727	0.224	594.490	605.121	603.104
Clarke	3.604	0.062	71.346		75.012	339.297	0.628		339.925	414.937	411.333

MILES OF RURAL SECONDARY ROADS ON THE AREA SERVICE SYSTEM (NON- FM) CLASSIFIED BY SURFACE TYPE

COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Clay		2.604	2.891		5.495	646.254		8.490	654.744	660.239	660.239
Clayton	13.149	10.148	16.193		39.490	621.115	3.668	8.472	633.255	672.745	659.596
Clinton	7.148	0.566	3.337		11.051	620.111	1.567	25.624	647.302	658.353	651.205
Crawford	10.727	2.548	181.149	2.262	196.686	646.614	0.907	3.598	651.119	847.805	837.078
Dallas	5.532		2.672		8.204	605.703	2.484	13.030	621.217	629.421	623.889
Davis	5.310	1.099	68.204		74.613	461.144		5.319	466.463	541.076	535.766
Decatur	13.479	0.118	81.311		94.908	347.784	14.486	7.270	369.540	464.448	450.969
Delaware	3.890	4.266	7.532		15.688	588.000	0.870	16.084	604.954	620.642	616.752
Des Moines	1.926	4.766	61.241		67.933	296.020	0.031	16.086	312.137	380.070	378.144
Dickinson	5.592	17.554	3.032		26.178	373.455	5.193	33.660	412.308	438.486	432.894
Dubuque	9.967	2.985	2.218		15.170	320.738	87.363	38.551	446.652	461.822	451.855
Emmet	0.864	3.032	3.014		6.910	447.062		12.727	459.789	466.699	465.835
Fayette	4.248	0.559	0.031		4.838	779.090	1.696	3.973	784.759	789.597	785.349
Floyd	1.937	1.000	1.022		3.959	606.129	5.298	13.443	624.870	628.829	626.892
Franklin	2.554	1.895	11.023		15.472	619.138		7.443	626.581	642.053	639.499
Fremont	4.002	1.895	129.393		135.290	349.756	4.596	6.536	360.888	496.178	492.176
Greene	4.660	1.749	3.167		9.576	636.252		0.913	637.165	646.741	642.081
Grundy	0.292	9.259	5.212		14.763	533.934	0.348	1.156	535.438	550.201	549.909
Guthrie	10.442	1.361	70.127		81.930	560.271	0.746	7.660	568.677	650.607	640.165
Hamilton	0.745	0.329	1.426		2.500	586.529	0.441	1.004	587.974	590.474	589.729

MILES OF RURAL SECONDARY ROADS ON THE AREA SERVICE SYSTEM (NON- FM)
CLASSIFIED BY SURFACE TYPE

COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Hancock	6.306	5.095	1.461		12.862	685.053	1.793	5.743	692.589	705.451	699.145
Hardin	2.355	0.590	4.617		7.562	588.177	2.641	5.276	596.094	603.656	601.301
Harrison	15.624	4.989	143.271		163.884	581.479	7.756	0.050	589.285	753.169	737.545
Henry	2.763		69.700		72.463	389.371	0.721	7.478	397.570	470.033	467.270
Howard	3.497		1.730		5.227	506.719	0.994	1.481	509.194	514.421	510.924
Humboldt	0.777	0.149	0.510		1.436	498.923	0.249	13.276	512.448	513.884	513.107
Ida	8.968	2.522	47.694		59.184	444.838		5.571	450.409	509.593	500.625
Iowa	7.992	1.347	74.980		84.319	485.379	0.544	12.204	498.127	582.446	574.454
Jackson	5.990	2.883	34.801		43.674	445.271	3.921	12.655	461.847	505.521	499.531
Jasper	7.109	1.243	47.920		56.272	743.346	15.962	6.742	766.050	822.322	815.213
Jefferson		0.267	96.967		97.234	355.928	2.150	11.197	369.275	466.509	466.509
Johnson	1.907	3.232	39.796	0.259	45.194	513.691	34.639	8.591	556.921	602.115	600.208
Jones	4.511	1.522	26.470		32.503	491.010	1.035	7.868	499.913	532.416	527.905
Keokuk	4.686	3.753	97.075		105.514	501.709	0.578	0.528	502.815	608.329	603.643
Kossuth	1.675	19.872	17.237		38.784	1,052.807	0.324	89.703	1,142.834	1,181.618	1,179.943
Lee	1.988	3.977	8.229		14.194	389.447	9.600	12.301	411.348	425.542	423.554
Linn	12.038	0.224	19.422		31.684	721.299	23.508	46.627	791.434	823.118	811.080
Louisa	2.330	0.621	38.114		41.065	281.513	5.853	3.157	290.523	331.588	329.258
Lucas	4.031		90.661		94.692	325.520		0.214	325.734	420.426	416.395
Lyon	1.654	2.348	1.348		5.350	661.865	0.491	12.156	674.512	679.862	678.208

MILES OF RURAL SECONDARY ROADS ON THE AREA SERVICE SYSTEM (NON- FM) CLASSIFIED BY SURFACE TYPE

COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Madison	7.431	8.532	38.751		54.714	535.337		0.068	535.405	590.119	582.688
Mahaska	9.627	5.084	32.779		47.490	614.219		10.506	624.725	672.215	662.588
Marion	5.372	0.844	44.867	0.087	51.170	470.093	20.946	14.279	505.318	556.488	551.116
Marshall	4.969	0.677	20.866		26.512	587.438	1.308	9.904	598.650	625.162	620.193
Mills	0.449	0.938	76.128		77.515	347.467	2.940	3.830	354.237	431.752	431.303
Mitchell	1.585	0.957	4.797		7.339	528.902	6.829	1.069	536.800	544.139	542.554
Monona	12.216	8.859	90.207		111.282	601.748	0.447	1.210	603.405	714.687	702.471
Monroe	20.462	0.320	44.464		65.246	268.865	0.540	11.160	280.565	345.811	325.349
Montgomery	0.577	0.342	108.482		109.401	383.502	0.379	3.051	386.932	496.333	495.756
Muscatine	1.070	3.695	15.200		19.965	337.566	19.179	14.539	371.284	391.249	390.179
O'Brien	3.444	0.135	62.090		65.669	637.180		4.139	641.319	706.988	703.544
Osceola	1.299	0.994	49.246		51.539	420.704		9.604	430.308	481.847	480.548
Page	3.027	2.517	157.464		163.008	429.164	3.533	3.263	435.960	598.968	595.941
Palo Alto	3.428	0.249	0.121		3.798	627.663	1.043	7.718	636.424	640.222	636.794
Plymouth	3.039	4.521	39.517		47.077	1,002.926	0.956	28.519	1,032.401	1,079.478	1,076.439
Pocahontas	0.293	3.523	17.232		21.048	670.684		7.836	678.520	699.568	699.275
Polk	11.804	0.715	0.783		13.302	236.712	21.601	146.613	404.926	418.228	406.424
Pottawattamie	15.344	0.864	85.325		101.533	764.776	14.065	14.564	793.405	894.938	879.594
Poweshiek	5.884	2.622	115.734		124.240	514.305	5.338	4.163	523.806	648.046	642.162
Ringgold	20.685	9.545	196.929		227.159	373.931	17.157		391.088	618.247	597.562

MILES OF RURAL SECONDARY ROADS ON THE AREA SERVICE SYSTEM (NON- FM) CLASSIFIED BY SURFACE TYPE

COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Sac	1.660	0.500	22.711		24.871	664.995	0.460	2.834	668.289	693.160	691.500
Scott	1.529	5.953	5.698		13.180	293.793	4.151	33.802	331.746	344.926	343.397
Shelby	9.377	0.497	148.779	7.924	166.577	505.146		1.181	506.327	672.904	663.527
Sioux	11.392	4.757	43.681		59.830	874.792	0.398	6.978	882.168	941.998	930.606
Story	0.400	0.659	25.087		26.146	535.179	2.077	17.044	554.300	580.446	580.046
Tama	8.072	2.772	79.933		90.777	703.226	0.708	7.055	710.989	801.766	793.694
Taylor	2.374	4.617	112.760		119.751	459.503	0.143	2.821	462.467	582.218	579.844
Union	2.609	2.212	105.125		109.946	329.525	5.493	7.544	342.562	452.508	449.899
Van Buren	9.523	1.516	51.603		62.642	417.930	0.342	5.493	423.765	486.407	476.884
Wapello	8.569		36.761		45.330	371.268	1.429	9.117	381.814	427.144	418.575
Warren	1.360		78.275		79.635	467.578	1.773	14.601	483.952	563.587	562.227
Washington	14.317	1.185	87.253		102.755	448.215	0.938	3.735	452.888	555.643	541.326
Wayne	5.490	0.373	62.885		68.748	455.211		8.793	464.004	532.752	527.262
Webster	3.275		3.903		7.178	739.045	9.108	18.816	766.969	774.147	770.872
Winnebago	1.510	4.631			6.141	508.931	0.162	2.041	511.134	517.275	515.765
Winneshiek	9.513	1.419	2.697		13.629	681.517	3.387	7.920	692.824	706.453	696.940
Woodbury	13.141	2.084	66.019		81.244	869.281	0.243	19.793	889.317	970.561	957.420
Worth	6.792	0.708	1.491		8.991	414.172	3.169	31.349	448.690	457.681	450.889
Wright	0.603	1.516	0.608		2.727	730.712	0.271	2.430	733.413	736.140	735.537
TOTAL	516.215	255.310	4,426.285	12.065	5,209.875	53,307.153	438.152	1,106.717	54,852.022	60,061.897	59,545.682

PERCENT SURFACED FOR ALL SYSTEMS ON THE SECONDARY ROAD SYSTEM
(INCLUDES LEGAL-NOT-OPEN)
Surfaced indicates roads that are gravel or paved

COUNTY	TOTAL SECONDARY			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Adair	1,027.146	880.993	146.153	85.77
Adams	717.878	613.471	104.407	85.46
Allamakee	878.838	849.763	29.075	96.69
Appanoose	744.979	698.009	46.970	93.70
Audubon	763.008	724.453	38.555	94.95
Benton	1,210.899	1,113.321	97.578	91.94
Black Hawk	769.729	763.180	6.549	99.15
Boone	974.056	967.208	6.848	99.30
Bremer	711.262	706.284	4.978	99.30
Buchanan	931.553	905.401	26.152	97.19
Buena Vista	1,003.529	993.065	10.464	98.96
Butler	958.005	935.713	22.292	97.67
Calhoun	978.196	971.864	6.332	99.35
Carroll	990.384	972.473	17.911	98.19
Cass	902.343	759.441	142.902	84.16
Cedar	953.373	891.819	61.554	93.54
Cerro Gordo	948.231	935.070	13.161	98.61
Cherokee	999.821	970.752	29.069	97.09
Chickasaw	839.017	827.373	11.644	98.61
Clarke	661.470	586.458	75.012	88.66

PERCENT SURFACED FOR ALL SYSTEMS ON THE SECONDARY ROAD SYSTEM
(INCLUDES LEGAL-NOT-OPEN)
Surfaced indicates roads that are gravel or paved

COUNTY	TOTAL SECONDARY			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Clay	962.010	956.515	5.495	99.43
Clayton	1,075.757	1,036.267	39.490	96.33
Clinton	1,006.872	995.732	11.140	98.89
Crawford	1,227.296	1,027.736	199.560	83.74
Dallas	884.255	876.051	8.204	99.07
Davis	806.506	731.893	74.613	90.75
Decatur	767.828	672.920	94.908	87.64
Delaware	912.896	897.208	15.688	98.28
Des Moines	615.609	547.676	67.933	88.96
Dickinson	659.679	633.501	26.178	96.03
Dubuque	775.311	760.141	15.170	98.04
Emmet	644.943	638.033	6.910	98.93
Fayette	1,134.007	1,129.169	4.838	99.57
Floyd	870.867	866.908	3.959	99.55
Franklin	995.960	980.488	15.472	98.45
Fremont	750.139	614.849	135.290	81.96
Greene	962.129	952.553	9.576	99.00
Grundy	822.249	807.486	14.763	98.20
Guthrie	938.850	856.920	81.930	91.27
Hamilton	906.362	903.862	2.500	99.72

PERCENT SURFACED FOR ALL SYSTEMS ON THE SECONDARY ROAD SYSTEM
(INCLUDES LEGAL-NOT-OPEN)
Surfaced indicates roads that are gravel or paved

COUNTY	TOTAL SECONDARY			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Hancock	1,019.868	1,006.478	13.390	98.69
Hardin	974.249	966.687	7.562	99.22
Harrison	1,100.356	936.056	164.300	85.07
Henry	739.068	666.524	72.544	90.18
Howard	756.715	751.488	5.227	99.31
Humboldt	714.238	712.802	1.436	99.80
Ida	733.299	674.115	59.184	91.93
Iowa	938.439	852.722	85.717	90.87
Jackson	833.460	788.120	45.340	94.56
Jasper	1,222.110	1,165.838	56.272	95.40
Jefferson	749.501	650.372	99.129	86.77
Johnson	909.532	864.338	45.194	95.03
Jones	845.107	810.945	34.162	95.96
Keokuk	927.443	821.929	105.514	88.62
Kossuth	1,657.252	1,618.468	38.784	97.66
Lee	701.523	686.969	14.554	97.93
Linn	1,164.008	1,131.324	32.684	97.19
Louisa	570.998	529.933	41.065	92.81
Lucas	631.799	537.107	94.692	85.01
Lyon	998.680	993.330	5.350	99.46

PERCENT SURFACED FOR ALL SYSTEMS ON THE SECONDARY ROAD SYSTEM
(INCLUDES LEGAL-NOT-OPEN)
Surfaced indicates roads that are gravel or paved

COUNTY	TOTAL SECONDARY			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Madison	911.778	857.064	54.714	94.00
Mahaska	969.650	922.160	47.490	95.10
Marion	859.317	807.884	51.433	94.01
Marshall	934.921	908.397	26.524	97.16
Mills	655.256	577.741	77.515	88.17
Mitchell	783.631	776.292	7.339	99.06
Monona	1,071.675	960.393	111.282	89.62
Monroe	621.878	556.632	65.246	89.51
Montgomery	720.642	610.741	109.901	84.75
Muscatine	608.609	586.946	21.663	96.44
O'Brien	1,019.000	953.331	65.669	93.56
Osceola	726.061	674.522	51.539	92.90
Page	920.576	757.568	163.008	82.29
Palo Alto	942.784	938.986	3.798	99.60
Plymouth	1,426.697	1,379.620	47.077	96.70
Pocahontas	999.219	978.171	21.048	97.89
Polk	765.668	750.925	14.743	98.07
Pottawattamie	1,438.607	1,336.074	102.533	92.87
Poweshiek	976.164	848.015	128.149	86.87
Ringgold	890.497	661.499	228.998	74.28

PERCENT SURFACED FOR ALL SYSTEMS ON THE SECONDARY ROAD SYSTEM
(INCLUDES LEGAL-NOT-OPEN)
Surfaced indicates roads that are gravel or paved

COUNTY	TOTAL SECONDARY			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Sac	1,020.899	996.028	24.871	97.56
Scott	550.846	536.796	14.050	97.45
Shelby	966.319	762.384	203.935	78.90
Sioux	1,366.678	1,305.897	60.781	95.55
Story	940.944	914.798	26.146	97.22
Tama	1,156.468	1,064.753	91.715	92.07
Taylor	908.993	788.521	120.472	86.75
Union	699.166	589.220	109.946	84.27
Van Buren	744.202	680.965	63.237	91.50
Wapello	701.309	655.979	45.330	93.54
Warren	877.321	797.686	79.635	90.92
Washington	907.244	804.489	102.755	88.67
Wayne	830.299	760.538	69.761	91.60
Webster	1,167.493	1,160.315	7.178	99.39
Winnebago	718.221	711.553	6.668	99.07
Winneshiek	1,052.366	1,038.737	13.629	98.70
Woodbury	1,337.755	1,256.511	81.244	93.93
Worth	693.110	684.119	8.991	98.70
Wright	965.868	963.141	2.727	99.72
TOTAL	89,719.018	84,432.955	5,286.063	94.11

PERCENT SURFACED FOR THE FARM-TO-MARKET SYSTEM ON THE SECONDARY ROAD SYSTEM
(INCLUDES LEGAL-NOT-OPEN)
Surfaced indicates roads that are gravel or paved

COUNTY	FARM-TO-MARKET			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Adair	276.877	276.877		100.00
Adams	188.715	188.715		100.00
Allamakee	299.797	299.797		100.00
Appanoose	271.009	269.922	1.087	99.60
Audubon	272.700	272.700		100.00
Benton	357.539	353.590	3.949	98.90
Black Hawk	273.441	273.143	0.298	99.89
Boone	301.356	301.356		100.00
Bremer	190.630	190.630		100.00
Buchanan	332.766	332.766		100.00
Buena Vista	328.080	328.080		100.00
Butler	290.583	290.583		100.00
Calhoun	298.541	298.541		100.00
Carroll	351.096	350.611	0.485	99.86
Cass	258.087	258.087		100.00
Cedar	346.991	345.227	1.764	99.49
Cerro Gordo	318.147	317.741	0.406	99.87
Cherokee	305.742	304.157	1.585	99.48
Chickasaw	233.896	232.883	1.013	99.57
Clarke	246.533	246.533		100.00

PERCENT SURFACED FOR THE FARM-TO-MARKET SYSTEM ON THE SECONDARY ROAD SYSTEM
(INCLUDES LEGAL-NOT-OPEN)
Surfaced indicates roads that are gravel or paved

COUNTY	FARM-TO-MARKET			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Clay	301.771	301.771		100.00
Clayton	403.012	403.012		100.00
Clinton	348.519	348.430	0.089	99.97
Crawford	379.491	376.617	2.874	99.24
Dallas	254.834	254.834		100.00
Davis	265.430	265.430		100.00
Decatur	303.380	303.380		100.00
Delaware	292.254	292.254		100.00
Des Moines	235.539	235.539		100.00
Dickinson	221.193	221.193		100.00
Dubuque	313.489	313.489		100.00
Emmet	178.244	178.244		100.00
Fayette	344.410	344.410		100.00
Floyd	242.038	242.038		100.00
Franklin	353.907	353.907		100.00
Fremont	253.961	253.961		100.00
Greene	315.388	315.388		100.00
Grundy	272.048	272.048		100.00
Guthrie	288.243	288.243		100.00
Hamilton	315.888	315.888		100.00

PERCENT SURFACED FOR THE FARM-TO-MARKET SYSTEM ON THE SECONDARY ROAD SYSTEM
(INCLUDES LEGAL-NOT-OPEN)
Surfaced indicates roads that are gravel or paved

COUNTY	FARM-TO-MARKET			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Hancock	314.417	313.889	0.528	99.83
Hardin	370.593	370.593		100.00
Harrison	347.187	346.771	0.416	99.88
Henry	269.035	268.954	0.081	99.97
Howard	242.294	242.294		100.00
Humboldt	200.354	200.354		100.00
Ida	223.706	223.706		100.00
Iowa	355.993	354.595	1.398	99.61
Jackson	327.939	326.273	1.666	99.49
Jasper	399.788	399.788		100.00
Jefferson	282.992	281.097	1.895	99.33
Johnson	307.417	307.417		100.00
Jones	312.691	311.032	1.659	99.47
Keokuk	319.114	319.114		100.00
Kossuth	475.634	475.634		100.00
Lee	275.981	275.621	0.360	99.87
Linn	340.890	339.890	1.000	99.71
Louisa	239.410	239.410		100.00
Lucas	211.373	211.373		100.00
Lyon	318.818	318.818		100.00

PERCENT SURFACED FOR THE FARM-TO-MARKET SYSTEM ON THE SECONDARY ROAD SYSTEM
(INCLUDES LEGAL-NOT-OPEN)
Surfaced indicates roads that are gravel or paved

COUNTY	FARM-TO-MARKET			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Madison	321.659	321.659		100.00
Mahaska	297.435	297.435		100.00
Marion	302.829	302.566	0.263	99.91
Marshall	309.759	309.747	0.012	100.00
Mills	223.504	223.504		100.00
Mitchell	239.492	239.492		100.00
Monona	356.988	356.988		100.00
Monroe	276.067	276.067		100.00
Montgomery	224.309	223.809	0.500	99.78
Muscatine	217.360	215.662	1.698	99.22
O'Brien	312.012	312.012		100.00
Osceola	244.214	244.214		100.00
Page	321.608	321.608		100.00
Palo Alto	302.562	302.562		100.00
Plymouth	347.219	347.219		100.00
Pocahontas	299.651	299.651		100.00
Polk	347.440	345.999	1.441	99.59
Pottawattamie	543.669	542.669	1.000	99.82
Poweshiek	328.118	324.209	3.909	98.81
Ringgold	272.250	270.411	1.839	99.32

PERCENT SURFACED FOR THE FARM-TO-MARKET SYSTEM ON THE SECONDARY ROAD SYSTEM
(INCLUDES LEGAL-NOT-OPEN)
Surfaced indicates roads that are gravel or paved

COUNTY	FARM-TO-MARKET			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Sac	327.739	327.739		100.00
Scott	205.920	205.050	0.870	99.58
Shelby	293.415	256.057	37.358	87.27
Sioux	424.680	423.729	0.951	99.78
Story	360.498	360.498		100.00
Tama	354.702	353.764	0.938	99.74
Taylor	326.775	326.054	0.721	99.78
Union	246.658	246.658		100.00
Van Buren	257.795	257.200	0.595	99.77
Wapello	274.165	274.165		100.00
Warren	313.734	313.734		100.00
Washington	351.601	351.601		100.00
Wayne	297.547	296.534	1.013	99.66
Webster	393.346	393.346		100.00
Winnebago	200.946	200.419	0.527	99.74
Winneshiek	345.913	345.913		100.00
Woodbury	367.194	367.194		100.00
Worth	235.429	235.429		100.00
Wright	229.728	229.728		100.00
TOTAL	29,657.121	29,580.933	76.188	99.74

PERCENT SURFACED FOR AREA SERVICE SYSTEMS (NON-FM) ON THE SECONDARY ROAD SYSTEM
(INCLUDES LEGAL-NOT-OPEN)
Surfaced indicates roads that are gravel or paved

COUNTY	NON-FARM-TO-MARKET			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Adair	750.269	604.116	146.153	80.52
Adams	529.163	424.756	104.407	80.27
Allamakee	579.041	549.966	29.075	94.98
Appanoose	473.970	428.087	45.883	90.32
Audubon	490.308	451.753	38.555	92.14
Benton	853.360	759.731	93.629	89.03
Black Hawk	496.288	490.037	6.251	98.74
Boone	672.700	665.852	6.848	98.98
Bremer	520.632	515.654	4.978	99.04
Buchanan	598.787	572.635	26.152	95.63
Buena Vista	675.449	664.985	10.464	98.45
Butler	667.422	645.130	22.292	96.66
Calhoun	679.655	673.323	6.332	99.07
Carroll	639.288	621.862	17.426	97.27
Cass	644.256	501.354	142.902	77.82
Cedar	606.382	546.592	59.790	90.14
Cerro Gordo	630.084	617.329	12.755	97.98
Cherokee	694.079	666.595	27.484	96.04
Chickasaw	605.121	594.490	10.631	98.24
Clarke	414.937	339.925	75.012	81.92

PERCENT SURFACED FOR AREA SERVICE SYSTEMS (NON-FM) ON THE SECONDARY ROAD SYSTEM
(INCLUDES LEGAL-NOT-OPEN)
Surfaced indicates roads that are gravel or paved

COUNTY	NON-FARM-TO-MARKET			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Clay	660.239	654.744	5.495	99.17
Clayton	672.745	633.255	39.490	94.13
Clinton	658.353	647.302	11.051	98.32
Crawford	847.805	651.119	196.686	76.80
Dallas	629.421	621.217	8.204	98.70
Davis	541.076	466.463	74.613	86.21
Decatur	464.448	369.540	94.908	79.57
Delaware	620.642	604.954	15.688	97.47
Des Moines	380.070	312.137	67.933	82.13
Dickinson	438.486	412.308	26.178	94.03
Dubuque	461.822	446.652	15.170	96.72
Emmet	466.699	459.789	6.910	98.52
Fayette	789.597	784.759	4.838	99.39
Floyd	628.829	624.870	3.959	99.37
Franklin	642.053	626.581	15.472	97.59
Fremont	496.178	360.888	135.290	72.73
Greene	646.741	637.165	9.576	98.52
Grundy	550.201	535.438	14.763	97.32
Guthrie	650.607	568.677	81.930	87.41
Hamilton	590.474	587.974	2.500	99.58

PERCENT SURFACED FOR AREA SERVICE SYSTEMS (NON-FM) ON THE SECONDARY ROAD SYSTEM
(INCLUDES LEGAL-NOT-OPEN)
Surfaced indicates roads that are gravel or paved

COUNTY	NON-FARM-TO-MARKET			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Hancock	705.451	692.589	12.862	98.18
Hardin	603.656	596.094	7.562	98.75
Harrison	753.169	589.285	163.884	78.24
Henry	470.033	397.570	72.463	84.58
Howard	514.421	509.194	5.227	98.98
Humboldt	513.884	512.448	1.436	99.72
Ida	509.593	450.409	59.184	88.39
Iowa	582.446	498.127	84.319	85.52
Jackson	505.521	461.847	43.674	91.36
Jasper	822.322	766.050	56.272	93.16
Jefferson	466.509	369.275	97.234	79.16
Johnson	602.115	556.921	45.194	92.49
Jones	532.416	499.913	32.503	93.90
Keokuk	608.329	502.815	105.514	82.66
Kossuth	1,181.618	1,142.834	38.784	96.72
Lee	425.542	411.348	14.194	96.66
Linn	823.118	791.434	31.684	96.15
Louisa	331.588	290.523	41.065	87.62
Lucas	420.426	325.734	94.692	77.48
Lyon	679.862	674.512	5.350	99.21

PERCENT SURFACED FOR AREA SERVICE SYSTEMS (NON-FM) ON THE SECONDARY ROAD SYSTEM
(INCLUDES LEGAL-NOT-OPEN)
Surfaced indicates roads that are gravel or paved

COUNTY	NON-FARM-TO-MARKET			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Madison	590.119	535.405	54.714	90.73
Mahaska	672.215	624.725	47.490	92.94
Marion	556.488	505.318	51.170	90.80
Marshall	625.162	598.650	26.512	95.76
Mills	431.752	354.237	77.515	82.05
Mitchell	544.139	536.800	7.339	98.65
Monona	714.687	603.405	111.282	84.43
Monroe	345.811	280.565	65.246	81.13
Montgomery	496.333	386.932	109.401	77.96
Muscatine	391.249	371.284	19.965	94.90
O'Brien	706.988	641.319	65.669	90.71
Osceola	481.847	430.308	51.539	89.30
Page	598.968	435.960	163.008	72.79
Palo Alto	640.222	636.424	3.798	99.41
Plymouth	1,079.478	1,032.401	47.077	95.64
Pocahontas	699.568	678.520	21.048	96.99
Polk	418.228	404.926	13.302	96.82
Pottawattamie	894.938	793.405	101.533	88.65
Poweshiek	648.046	523.806	124.240	80.83
Ringgold	618.247	391.088	227.159	63.26

PERCENT SURFACED FOR AREA SERVICE SYSTEMS (NON-FM) ON THE SECONDARY ROAD SYSTEM
(INCLUDES LEGAL-NOT-OPEN)
Surfaced indicates roads that are gravel or paved

COUNTY	NON-FARM-TO-MARKET			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Sac	693.160	668.289	24.871	96.41
Scott	344.926	331.746	13.180	96.18
Shelby	672.904	506.327	166.577	75.25
Sioux	941.998	882.168	59.830	93.65
Story	580.446	554.300	26.146	95.50
Tama	801.766	710.989	90.777	88.68
Taylor	582.218	462.467	119.751	79.43
Union	452.508	342.562	109.946	75.70
Van Buren	486.407	423.765	62.642	87.12
Wapello	427.144	381.814	45.330	89.39
Warren	563.587	483.952	79.635	85.87
Washington	555.643	452.888	102.755	81.51
Wayne	532.752	464.004	68.748	87.10
Webster	774.147	766.969	7.178	99.07
Winnebago	517.275	511.134	6.141	98.81
Winneshiek	706.453	692.824	13.629	98.07
Woodbury	970.561	889.317	81.244	91.63
Worth	457.681	448.690	8.991	98.04
Wright	736.140	733.413	2.727	99.63
TOTAL	60,061.897	54,852.022	5,209.875	91.33