

IOWA
MILES OF
RURAL SECONDARY ROADS
AS OF
JANUARY 1, 2011

TABLE OF CONTENTS

	Page
INTRODUCTION.....	1
FIVE YEAR SUMMARY OF THE SECONDARY ROAD SYSTEM IN IOWA.....	2
STATISTICAL SUMMARY.....	3
STATE MILES SUMMARY.....	4
COUNTY MILES SUMMARY.....	5 to 103

Introduction

A PDF version of this report is also available at www.iowadotmaps.com/secmiles.

The Iowa Department of Transportation's (Iowa DOT) Office of Transportation Data, in cooperation with the Federal Highway Administration (FHWA), is responsible for preparing this secondary road report. The report provides federal, state and local agencies, and the public with statistical information regarding the Secondary Road System.

Information for this report is derived from data reported by each of the 99 Iowa county engineers. Based on these construction reports, which may have changed the road surface, length and functional classification, the Iowa DOT's database is updated and current as of Jan. 1, 2010.

The report contains three major sections: state totals in miles by type of surface, a statistical summary and county statistical summaries.

RURAL SECONDARY ROAD SYSTEM	LEGAL NOT OPEN TO TRAFFIC	EARTH	TOTAL EARTH (with LNO)	GRAVEL	BITUMINOUS	PAVED	TOTAL SURFACED	TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
Jan. 1, 2011									
Total Farm-to-Market	3.685	49.445	53.130	13351.708	922.927	16184.631	30459.266	30512.396	30508.711
Total Non-Farm-to-Market	574.717	4569.149	5143.866	52968.468	523.262	1391.295	54883.025	60026.891	59452.174
Total for State	578.402	4618.594	5196.996	66320.176	1446.189	17575.926	85342.291	90539.287	89960.885
Jan. 1, 2010									
Total Farm-to-Market	3.143	49.445	52.588	13332.419	941.872	16161.474	30435.771	30488.359	30485.216
Total Non-Farm-to-Market	545.243	4569.149	5114.392	52993.489	543.275	1353.567	54890.331	60004.723	59459.480
Total for State	548.386	4618.594	5166.980	66325.908	1485.147	17515.041	85326.102	90493.082	89944.696
Jan. 1, 2009									
Total Farm-to-Market	3.143	49.445	52.588	13357.624	954.937	16137.291	30449.852	30502.440	30499.297
Total Non-Farm-to-Market	542.196	4569.149	5111.345	53014.386	559.426	1328.351	54902.163	60013.508	59471.312
Total for State	545.339	4618.594	5163.933	66372.010	1514.363	17465.642	85352.015	90515.948	89970.609
Jan. 1, 2008									
Total Farm-to-Market	3.437	60.751	64.188	13374.120	967.111	16098.370	30440.990	30493.870	30490.440
Total Non-Farm-to-Market	533.549	4569.150	5102.700	53043.550	569.124	1330.050	54943.600	60047.110	59513.570
Total for State	536.990	4629.900	5166.890	66417.670	1536.240	17428.420	85384.600	90540.990	90004.000
Jan. 1, 2007									
Total Farm-to-Market	1.390	60.751	62.141	13411.059	968.593	16069.081	30448.753	30510.894	30507.756
Total Non-Farm-to-Market	515.821	4642.016	5157.837	53074.781	568.946	1285.772	54929.499	60087.336	59530.397
Total for State	517.211	4702.767	5219.978	66485.840	1537.539	17354.853	85378.252	90598.230	90038.345

Statistical Summary

On Jan. 1, 2011, the condition of the Secondary Road System was as follows:

	Farm-to-Market System	Area Service System
Miles of Earth-Surfaced Roads	49.445	4,569.149
Miles of Gravel-Surfaced Roads	13,351.708	52,968.468
Miles of Bituminous-Surfaced Roads	922.927	523.262
Miles of Asphalt-Surfaced Roads	10,937.435	428.722
Miles of PCC-Surfaced Roads	5,247.196	962.573
Miles of Combination-Surfaced Roads	0	0
Total Miles of Open Road	30,508.711	59,452.174
Legal Not Open Roads	3.685	574.717
Total Miles in System	30512.396	60026.891

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, 2011	0.000	6.249
Jan. 1, 2010	0.000	4.755
Jan. 1, 2009	0.000	14.748
Jan. 1, 2008	1.002	9.727
Jan. 1, 2007	0.280	38.636

STATE RURAL MILES SUMMARY

Secondary Miles	90,539.287	Rural Roads All Systems	98,414.789
Secondary Open Miles	89,960.885	Rural Primary Miles	7,875.502
Secondary Legal Not Open (LNO) Miles	578.402	Rural Open Surfaced Miles	93,217.793
Secondary Open Surfaced Miles	85,342.291	Total Open New/Resurfaced Rural Miles 2010	351.002
Secondary Open Not Surfaced Miles	4,618.594	Total Open Rural Miles Unknown Surface Type	6.297
Percentage Surfaced Secondary Roads	94.26%		

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	4,618.594	66,320.176	1,446.189	11,900.008	5,675.918	0.000
Total New/Resurfaced Miles 2010	1.000	9.551	10.795	261.714	67.942	0.000

FARM-TO-MARKET (FM) SUMMARY

Total FM Miles	30,512.396
FM Miles Open	30,508.711
FM Miles LNO	3.685
FM Open Miles Surfaced	30,459.266
FM Open Miles Not Surfaced	45.760
Percentage FM Open Surfaced	99.83%
Total Open New/Resurfaced FM Miles 2010	285.497
FM in Municipalities Populated Less Than 500	388.582
FM Open Miles Unknown Surface Type	4.980

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	49.445	13,351.708	922.927	10,937.435	5,247.196	0.000
Total New/Resurfaced Miles 2010	0.000	4.579	0.601	228.002	52.315	0.000

AREA SERVICE (AS) SUMMARY

Total AS Miles	60,026.891
AS Miles Open	59,452.174
AS Miles LNO	574.717
AS Open Miles Surfaced	54,883.025
AS Open Miles Not Surfaced	3,994.432
Percentage AS Open Surfaced	91.43%
Total Open New/Resurfaced AS Miles 2010	65.505
AS Open Miles Unknown Surface Type	1.317

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	4,569.149	52,968.468	523.262	962.573	428.722	0.000
Total New/Resurfaced Miles 2010	1.000	4.972	10.194	33.712	15.627	0.000

APPANOOSE

4

COUNTY MILES SUMMARY

Secondary Miles	762.547	Rural Open Roads All Systems	804.505
Secondary Open Miles	752.792	Rural Primary Miles	51.713
Secondary Legal Not Open (LNO) Miles	9.755	Rural Open Surfaced Miles	774.894
Secondary Open Surfaced Miles	723.181	Total Open New/Resurfaced Rural Miles 2010	0.251
Secondary Open Not Surfaced Miles	29.611	Total Open Rural Miles Unknown Surface Type	0.000
Percentage Surfaced Secondary Roads	94.84%	Percentage County Miles FM	38.33%

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	29.611	606.862	1.195	88.286	26.838	0.000
Total New/Resurfaced Miles 2010	0.000	0.251	0.000	0.000	0.000	0.000

FARM-TO-MARKET (FM) SUMMARY

Total FM Miles	292.257
FM Miles Open	292.257
FM Miles LNO	0.000
FM Open Miles Surfaced	292.257
FM Open Miles Not Surfaced	0.000
Percentage FM Surfaced	100.00%
Total Open New/Resurfaced FM Miles 2010	0.000
FM in Municipalities Populated Less Than 500	7.734
FM Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	0.000	186.467	0.000	85.484	20.306	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	0.000	0.000	0.000

AREA SERVICE (AS) SUMMARY

Total AS Miles	470.290
AS Miles Open	460.536
AS Miles LNO	9.755
AS Open Miles Surfaced	431.047
AS Open Miles Not Surfaced	29.611
Percentage AS Surfaced	91.66%
Total Open New/Resurfaced AS Miles 2010	0.251
AS Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	29.611	420.396	1.195	2.802	6.532	0.000
Total New/Resurfaced Miles 2010	0.000	0.251	0.000	0.000	0.000	0.000

BLACK HAWK
7
COUNTY MILES SUMMARY

Secondary Miles	766.380	Rural Open Roads All Systems	852.210
Secondary Open Miles	765.226	Rural Primary Miles	86.984
Secondary Legal Not Open (LNO) Miles	1.154	Rural Open Surfaced Miles	848.585
Secondary Open Surfaced Miles	761.601	Total Open New/Resurfaced Rural Miles 2010	11.389
Secondary Open Not Surfaced Miles	3.625	Total Open Rural Miles Unknown Surface Type	0.000
Percentage Surfaced Secondary Roads	99.38%	Percentage County Miles FM	35.80%

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	3.625	520.962	20.352	196.694	23.594	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	11.389	0.000	0.000

FARM-TO-MARKET (FM) SUMMARY

Total FM Miles	274.354
FM Miles Open	274.354
FM Miles LNO	0.000
FM Open Miles Surfaced	274.354
FM Open Miles Not Surfaced	0.000
Percentage FM Surfaced	100.00%
Total Open New/Resurfaced FM Miles 2010	7.360
FM in Municipalities Populated Less Than 500	0.024
FM Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	0.000	58.489	6.348	187.698	21.820	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	7.360	0.000	0.000

AREA SERVICE (AS) SUMMARY

Total AS Miles	492.026
AS Miles Open	490.872
AS Miles LNO	1.154
AS Open Miles Surfaced	487.444
AS Open Miles Not Surfaced	3.625
Percentage AS Surfaced	99.07%
Total Open New/Resurfaced AS Miles 2010	4.029
AS Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	3.625	462.473	14.004	8.996	1.774	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	4.029	0.000	0.000

BREMER

9

COUNTY MILES SUMMARY

Secondary Miles	714.757	Rural Open Roads All Systems	798.768
Secondary Open Miles	713.794	Rural Primary Miles	84.974
Secondary Legal Not Open (LNO) Miles	0.963	Rural Open Surfaced Miles	795.150
Secondary Open Surfaced Miles	710.176	Total Open New/Resurfaced Rural Miles 2010	2.768
Secondary Open Not Surfaced Miles	3.618	Total Open Rural Miles Unknown Surface Type	0.000
Percentage Surfaced Secondary Roads	99.36%	Percentage County Miles FM	26.79%

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	3.618	565.882	3.738	138.080	2.477	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.101	2.667	0.000	0.000

FARM-TO-MARKET (FM) SUMMARY

Total FM Miles	191.497
FM Miles Open	191.497
FM Miles LNO	0.000
FM Open Miles Surfaced	191.497
FM Open Miles Not Surfaced	0.000
Percentage FM Surfaced	100.00%
Total Open New/Resurfaced FM Miles 2010	0.000
FM in Municipalities Populated Less Than 500	0.892
FM Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	0.000	62.847	0.057	126.820	1.774	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	0.000	0.000	0.000

AREA SERVICE (AS) SUMMARY

Total AS Miles	523.260
AS Miles Open	522.297
AS Miles LNO	0.963
AS Open Miles Surfaced	518.784
AS Open Miles Not Surfaced	3.618
Percentage AS Surfaced	99.14%
Total Open New/Resurfaced AS Miles 2010	2.768
AS Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	3.618	503.035	3.681	11.260	0.703	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.101	2.667	0.000	0.000

BUTLER
12
COUNTY MILES SUMMARY

Secondary Miles	961.748	Rural Open Roads All Systems	1,028.252
Secondary Open Miles	954.892	Rural Primary Miles	73.360
Secondary Legal Not Open (LNO) Miles	6.856	Rural Open Surfaced Miles	1,013.838
Secondary Open Surfaced Miles	940.478	Total Open New/Resurfaced Rural Miles 2010	2.046
Secondary Open Not Surfaced Miles	14.414	Total Open Rural Miles Unknown Surface Type	0.000
Percentage Surfaced Secondary Roads	97.79%	Percentage County Miles FM	30.60%

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	14.414	735.372	0.721	202.820	1.565	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	2.046	0.000	0.000

FARM-TO-MARKET (FM) SUMMARY

Total FM Miles	294.259
FM Miles Open	294.259
FM Miles LNO	0.000
FM Open Miles Surfaced	294.259
FM Open Miles Not Surfaced	0.000
Percentage FM Surfaced	100.00%
Total Open New/Resurfaced FM Miles 2010	2.002
FM in Municipalities Populated Less Than 500	3.447
FM Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	0.000	97.216	0.000	195.954	1.090	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	2.002	0.000	0.000

AREA SERVICE (AS) SUMMARY

Total AS Miles	667.489
AS Miles Open	660.633
AS Miles LNO	6.856
AS Open Miles Surfaced	646.516
AS Open Miles Not Surfaced	14.414
Percentage AS Surfaced	96.86%
Total Open New/Resurfaced AS Miles 2010	0.044
AS Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	14.414	638.156	0.721	6.867	0.475	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	0.044	0.000	0.000

CLINTON
23
COUNTY MILES SUMMARY

Secondary Miles	1,005.298	Rural Open Roads All Systems	1,096.750
Secondary Open Miles	1,000.362	Rural Primary Miles	96.388
Secondary Legal Not Open (LNO) Miles	4.936	Rural Open Surfaced Miles	1,092.924
Secondary Open Surfaced Miles	996.536	Total Open New/Resurfaced Rural Miles 2010	10.239
Secondary Open Not Surfaced Miles	3.826	Total Open Rural Miles Unknown Surface Type	0.000
Percentage Surfaced Secondary Roads	99.13%	Percentage County Miles FM	35.13%

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	3.826	767.586	3.865	180.826	44.259	0.000
Total New/Resurfaced Miles 2010	0.000	1.006	0.000	9.233	0.000	0.000

FARM-TO-MARKET (FM) SUMMARY

Total FM Miles	353.143
FM Miles Open	353.143
FM Miles LNO	0.000
FM Open Miles Surfaced	353.143
FM Open Miles Not Surfaced	0.000
Percentage FM Surfaced	100.00%
Total Open New/Resurfaced FM Miles 2010	9.618
FM in Municipalities Populated Less Than 500	3.681
FM Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	0.000	154.248	2.040	157.207	39.648	0.000
Total New/Resurfaced Miles 2010	0.000	1.006	0.000	8.612	0.000	0.000

AREA SERVICE (AS) SUMMARY

Total AS Miles	652.155
AS Miles Open	647.219
AS Miles LNO	4.936
AS Open Miles Surfaced	643.642
AS Open Miles Not Surfaced	3.826
Percentage AS Surfaced	98.69%
Total Open New/Resurfaced AS Miles 2010	0.621
AS Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	3.826	613.338	1.825	23.619	4.611	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	0.621	0.000	0.000

DELAWARE

28

COUNTY MILES SUMMARY

Secondary Miles	914.345	Rural Open Roads All Systems	998.413
Secondary Open Miles	909.062	Rural Primary Miles	89.351
Secondary Legal Not Open (LNO) Miles	5.283	Rural Open Surfaced Miles	988.115
Secondary Open Surfaced Miles	898.764	Total Open New/Resurfaced Rural Miles 2010	7.074
Secondary Open Not Surfaced Miles	10.298	Total Open Rural Miles Unknown Surface Type	0.000
Percentage Surfaced Secondary Roads	98.30%	Percentage County Miles FM	32.13%

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	10.298	663.652	0.271	134.615	100.227	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	7.074	0.000	0.000

FARM-TO-MARKET (FM) SUMMARY

Total FM Miles	293.748
FM Miles Open	293.748
FM Miles LNO	0.000
FM Open Miles Surfaced	293.748
FM Open Miles Not Surfaced	0.000
Percentage FM Surfaced	100.00%
Total Open New/Resurfaced FM Miles 2010	6.108
FM in Municipalities Populated Less Than 500	4.225
FM Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	0.000	79.390	0.000	122.663	91.695	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	6.108	0.000	0.000

AREA SERVICE (AS) SUMMARY

Total AS Miles	620.597
AS Miles Open	615.315
AS Miles LNO	5.283
AS Open Miles Surfaced	606.481
AS Open Miles Not Surfaced	10.298
Percentage AS Surfaced	97.73%
Total Open New/Resurfaced AS Miles 2010	0.966
AS Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	10.298	584.262	0.271	11.952	8.532	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	0.966	0.000	0.000

FLOYD

34

COUNTY MILES SUMMARY

Secondary Miles	893.581	Rural Open Roads All Systems	950.548
Secondary Open Miles	891.314	Rural Primary Miles	59.234
Secondary Legal Not Open (LNO) Miles	2.267	Rural Open Surfaced Miles	948.537
Secondary Open Surfaced Miles	889.303	Total Open New/Resurfaced Rural Miles 2010	12.495
Secondary Open Not Surfaced Miles	2.011	Total Open Rural Miles Unknown Surface Type	0.000
Percentage Surfaced Secondary Roads	99.52%	Percentage County Miles FM	30.10%

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	2.011	713.701	2.912	130.138	42.552	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	12.495	0.000	0.000

FARM-TO-MARKET (FM) SUMMARY

Total FM Miles	268.969
FM Miles Open	268.969
FM Miles LNO	0.000
FM Open Miles Surfaced	268.969
FM Open Miles Not Surfaced	0.000
Percentage FM Surfaced	100.00%
Total Open New/Resurfaced FM Miles 2010	11.741
FM in Municipalities Populated Less Than 500	5.190
FM Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	0.000	109.566	0.452	121.976	36.975	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	11.741	0.000	0.000

AREA SERVICE (AS) SUMMARY

Total AS Miles	624.612
AS Miles Open	622.345
AS Miles LNO	2.267
AS Open Miles Surfaced	620.334
AS Open Miles Not Surfaced	2.011
Percentage AS Surfaced	99.32%
Total Open New/Resurfaced AS Miles 2010	0.754
AS Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	2.011	604.135	2.460	8.163	5.577	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	0.754	0.000	0.000

JACKSON

49

COUNTY MILES SUMMARY

Secondary Miles	847.049	Rural Open Roads All Systems	942.828
Secondary Open Miles	841.220	Rural Primary Miles	101.608
Secondary Legal Not Open (LNO) Miles	5.829	Rural Open Surfaced Miles	904.316
Secondary Open Surfaced Miles	802.708	Total Open New/Resurfaced Rural Miles 2010	4.121
Secondary Open Not Surfaced Miles	38.512	Total Open Rural Miles Unknown Surface Type	0.000
Percentage Surfaced Secondary Roads	94.77%	Percentage County Miles FM	40.31%

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	38.512	603.906	6.123	49.564	143.115	0.000
Total New/Resurfaced Miles 2010	0.000	4.121	0.000	0.000	0.000	0.000

FARM-TO-MARKET (FM) SUMMARY

Total FM Miles	341.418
FM Miles Open	341.418
FM Miles LNO	0.000
FM Open Miles Surfaced	339.999
FM Open Miles Not Surfaced	1.419
Percentage FM Surfaced	99.58%
Total Open New/Resurfaced FM Miles 2010	3.573
FM in Municipalities Populated Less Than 500	8.630
FM Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	1.419	159.196	1.856	41.849	137.098	0.000
Total New/Resurfaced Miles 2010	0.000	3.573	0.000	0.000	0.000	0.000

AREA SERVICE (AS) SUMMARY

Total AS Miles	505.632
AS Miles Open	499.803
AS Miles LNO	5.829
AS Open Miles Surfaced	463.049
AS Open Miles Not Surfaced	37.093
Percentage AS Surfaced	91.58%
Total Open New/Resurfaced AS Miles 2010	0.548
AS Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	37.093	444.711	4.267	7.715	6.017	0.000
Total New/Resurfaced Miles 2010	0.000	0.548	0.000	0.000	0.000	0.000

JONES

53

COUNTY MILES SUMMARY

Secondary Miles	847.830	Rural Open Roads All Systems	939.912
Secondary Open Miles	843.010	Rural Primary Miles	96.902
Secondary Legal Not Open (LNO) Miles	4.821	Rural Open Surfaced Miles	911.177
Secondary Open Surfaced Miles	814.275	Total Open New/Resurfaced Rural Miles 2010	1.933
Secondary Open Not Surfaced Miles	28.735	Total Open Rural Miles Unknown Surface Type	0.000
Percentage Surfaced Secondary Roads	96.04%	Percentage County Miles FM	36.69%

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	28.735	648.810	2.823	22.808	139.835	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	1.933	0.000	0.000

FARM-TO-MARKET (FM) SUMMARY

Total FM Miles	311.039
FM Miles Open	311.039
FM Miles LNO	0.000
FM Open Miles Surfaced	309.346
FM Open Miles Not Surfaced	1.693
Percentage FM Surfaced	99.46%
Total Open New/Resurfaced FM Miles 2010	1.933
FM in Municipalities Populated Less Than 500	1.498
FM Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	1.693	163.139	0.000	9.755	136.452	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	1.933	0.000	0.000

AREA SERVICE (AS) SUMMARY

Total AS Miles	536.791
AS Miles Open	531.971
AS Miles LNO	4.821
AS Open Miles Surfaced	505.666
AS Open Miles Not Surfaced	27.042
Percentage AS Surfaced	94.20%
Total Open New/Resurfaced AS Miles 2010	0.000
AS Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	27.042	485.671	2.823	13.053	3.383	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	0.000	0.000	0.000

KEOKUK

54

COUNTY MILES SUMMARY

Secondary Miles	930.213	Rural Open Roads All Systems	1,035.960
Secondary Open Miles	925.161	Rural Primary Miles	110.799
Secondary Legal Not Open (LNO) Miles	5.052	Rural Open Surfaced Miles	938.690
Secondary Open Surfaced Miles	827.891	Total Open New/Resurfaced Rural Miles 2010	5.952
Secondary Open Not Surfaced Miles	97.270	Total Open Rural Miles Unknown Surface Type	0.000
Percentage Surfaced Secondary Roads	89.00%	Percentage County Miles FM	35.12%

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	97.270	724.145	0.846	5.073	97.828	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	5.952	0.000	0.000

FARM-TO-MARKET (FM) SUMMARY

Total FM Miles	326.737
FM Miles Open	326.737
FM Miles LNO	0.000
FM Open Miles Surfaced	326.737
FM Open Miles Not Surfaced	0.000
Percentage FM Surfaced	100.00%
Total Open New/Resurfaced FM Miles 2010	5.249
FM in Municipalities Populated Less Than 500	6.812
FM Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	0.000	224.817	0.247	5.052	96.621	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	5.249	0.000	0.000

AREA SERVICE (AS) SUMMARY

Total AS Miles	603.476
AS Miles Open	598.425
AS Miles LNO	5.052
AS Open Miles Surfaced	501.791
AS Open Miles Not Surfaced	97.270
Percentage AS Surfaced	83.15%
Total Open New/Resurfaced AS Miles 2010	0.703
AS Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	97.270	499.328	0.599	0.021	1.207	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	0.703	0.000	0.000

MAHASKA
62
COUNTY MILES SUMMARY

Secondary Miles	989.956	Rural Open Roads All Systems	1,049.230
Secondary Open Miles	970.848	Rural Primary Miles	78.382
Secondary Legal Not Open (LNO) Miles	19.108	Rural Open Surfaced Miles	1,019.717
Secondary Open Surfaced Miles	941.335	Total Open New/Resurfaced Rural Miles 2010	3.972
Secondary Open Not Surfaced Miles	29.493	Total Open Rural Miles Unknown Surface Type	0.021
Percentage Surfaced Secondary Roads	95.09%	Percentage County Miles FM	30.25%

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	29.493	814.861	0.051	53.380	72.265	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	3.972	0.000	0.000

FARM-TO-MARKET (FM) SUMMARY

Total FM Miles	299.468
FM Miles Open	298.896
FM Miles LNO	0.572
FM Open Miles Surfaced	298.896
FM Open Miles Not Surfaced	0.000
Percentage FM Surfaced	99.81%
Total Open New/Resurfaced FM Miles 2010	0.000
FM in Municipalities Populated Less Than 500	2.274
FM Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	0.000	202.979	0.000	43.363	51.777	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	0.000	0.000	0.000

AREA SERVICE (AS) SUMMARY

Total AS Miles	690.488
AS Miles Open	671.952
AS Miles LNO	18.536
AS Open Miles Surfaced	643.528
AS Open Miles Not Surfaced	29.493
Percentage AS Surfaced	93.20%
Total Open New/Resurfaced AS Miles 2010	3.972
AS Open Miles Unknown Surface Type	0.021

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	29.493	611.883	0.051	10.017	20.488	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	3.972	0.000	0.000

POLK

77

COUNTY MILES SUMMARY

Secondary Miles	734.346	Rural Open Roads All Systems	836.122
Secondary Open Miles	729.043	Rural Primary Miles	107.080
Secondary Legal Not Open (LNO) Miles	5.303	Rural Open Surfaced Miles	834.252
Secondary Open Surfaced Miles	727.172	Total Open New/Resurfaced Rural Miles 2010	29.599
Secondary Open Not Surfaced Miles	1.382	Total Open Rural Miles Unknown Surface Type	0.489
Percentage Surfaced Secondary Roads	99.02%	Percentage County Miles FM	44.60%

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	1.382	167.632	36.658	490.537	30.989	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	29.599	0.000	0.000

FARM-TO-MARKET (FM) SUMMARY

Total FM Miles	327.542
FM Miles Open	327.542
FM Miles LNO	0.000
FM Open Miles Surfaced	327.542
FM Open Miles Not Surfaced	0.000
Percentage FM Surfaced	100.00%
Total Open New/Resurfaced FM Miles 2010	19.055
FM in Municipalities Populated Less Than 500	5.790
FM Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	0.000	22.236	6.977	295.102	2.997	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	19.055	0.000	0.000

AREA SERVICE (AS) SUMMARY

Total AS Miles	406.804
AS Miles Open	401.501
AS Miles LNO	5.303
AS Open Miles Surfaced	399.861
AS Open Miles Not Surfaced	1.382
Percentage AS Surfaced	98.29%
Total Open New/Resurfaced AS Miles 2010	10.544
AS Open Miles Unknown Surface Type	0.489

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	1.382	145.396	29.681	195.435	27.992	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	10.544	0.000	0.000

POTTAWATTAMIE

78

COUNTY MILES SUMMARY

Secondary Miles	1,492.867	Rural Open Roads All Systems	1,663.351
Secondary Open Miles	1,474.927	Rural Primary Miles	188.424
Secondary Legal Not Open (LNO) Miles	17.940	Rural Open Surfaced Miles	1,581.967
Secondary Open Surfaced Miles	1,393.543	Total Open New/Resurfaced Rural Miles 2010	1.447
Secondary Open Not Surfaced Miles	81.026	Total Open Rural Miles Unknown Surface Type	0.358
Percentage Surfaced Secondary Roads	93.35%	Percentage County Miles FM	39.78%

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	81.026	1,115.208	57.002	131.090	90.244	0.000
Total New/Resurfaced Miles 2010	0.000	0.117	0.000	0.000	1.330	0.000

FARM-TO-MARKET (FM) SUMMARY

Total FM Miles	593.837
FM Miles Open	593.837
FM Miles LNO	0.000
FM Open Miles Surfaced	593.837
FM Open Miles Not Surfaced	0.000
Percentage FM Surfaced	100.00%
Total Open New/Resurfaced FM Miles 2010	0.000
FM in Municipalities Populated Less Than 500	1.350
FM Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	0.000	366.831	28.145	125.302	73.560	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	0.000	0.000	0.000

AREA SERVICE (AS) SUMMARY

Total AS Miles	899.030
AS Miles Open	881.090
AS Miles LNO	17.940
AS Open Miles Surfaced	800.415
AS Open Miles Not Surfaced	81.026
Percentage AS Surfaced	89.03%
Total Open New/Resurfaced AS Miles 2010	1.447
AS Open Miles Unknown Surface Type	0.358

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	81.026	748.377	28.857	5.788	16.684	0.000
Total New/Resurfaced Miles 2010	0.000	0.117	0.000	0.000	1.330	0.000

SCOTT

82

COUNTY MILES SUMMARY

Secondary Miles	563.974	Rural Open Roads All Systems	615.145
Secondary Open Miles	562.949	Rural Primary Miles	52.196
Secondary Legal Not Open (LNO) Miles	1.025	Rural Open Surfaced Miles	603.694
Secondary Open Surfaced Miles	551.498	Total Open New/Resurfaced Rural Miles 2010	3.094
Secondary Open Not Surfaced Miles	11.451	Total Open Rural Miles Unknown Surface Type	0.000
Percentage Surfaced Secondary Roads	97.79%	Percentage County Miles FM	36.45%

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	11.451	331.069	7.413	176.409	36.608	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	3.094	0.000	0.000

FARM-TO-MARKET (FM) SUMMARY

Total FM Miles	205.586
FM Miles Open	205.586
FM Miles LNO	0.000
FM Open Miles Surfaced	204.732
FM Open Miles Not Surfaced	0.854
Percentage FM Surfaced	99.58%
Total Open New/Resurfaced FM Miles 2010	0.000
FM in Municipalities Populated Less Than 500	3.804
FM Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	0.854	47.653	0.708	127.797	28.575	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	0.000	0.000	0.000

AREA SERVICE (AS) SUMMARY

Total AS Miles	358.388
AS Miles Open	357.363
AS Miles LNO	1.025
AS Open Miles Surfaced	346.766
AS Open Miles Not Surfaced	10.597
Percentage AS Surfaced	96.76%
Total Open New/Resurfaced AS Miles 2010	3.094
AS Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	10.597	283.416	6.705	48.612	8.033	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	3.094	0.000	0.000

TAMA

86

COUNTY MILES SUMMARY

Secondary Miles	1,164.008	Rural Open Roads All Systems	1,240.231
Secondary Open Miles	1,155.212	Rural Primary Miles	85.019
Secondary Legal Not Open (LNO) Miles	8.796	Rural Open Surfaced Miles	1,164.560
Secondary Open Surfaced Miles	1,079.541	Total Open New/Resurfaced Rural Miles 2010	14.866
Secondary Open Not Surfaced Miles	75.671	Total Open Rural Miles Unknown Surface Type	0.000
Percentage Surfaced Secondary Roads	92.74%	Percentage County Miles FM	31.52%

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	75.671	892.252	4.429	166.037	15.824	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	14.799	0.067	0.000

FARM-TO-MARKET (FM) SUMMARY

Total FM Miles	366.897
FM Miles Open	366.897
FM Miles LNO	0.000
FM Open Miles Surfaced	365.964
FM Open Miles Not Surfaced	0.933
Percentage FM Surfaced	99.75%
Total Open New/Resurfaced FM Miles 2010	14.799
FM in Municipalities Populated Less Than 500	7.548
FM Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	0.933	190.350	3.714	158.696	13.204	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	14.799	0.000	0.000

AREA SERVICE (AS) SUMMARY

Total AS Miles	797.111
AS Miles Open	788.315
AS Miles LNO	8.796
AS Open Miles Surfaced	713.711
AS Open Miles Not Surfaced	74.738
Percentage AS Surfaced	89.54%
Total Open New/Resurfaced AS Miles 2010	0.067
AS Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	74.738	701.902	0.715	7.341	2.620	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	0.000	0.067	0.000

UNION

88

COUNTY MILES SUMMARY

Secondary Miles	704.415	Rural Open Roads All Systems	751.933
Secondary Open Miles	700.923	Rural Primary Miles	51.010
Secondary Legal Not Open (LNO) Miles	3.493	Rural Open Surfaced Miles	653.975
Secondary Open Surfaced Miles	602.965	Total Open New/Resurfaced Rural Miles 2010	10.413
Secondary Open Not Surfaced Miles	97.958	Total Open Rural Miles Unknown Surface Type	0.000
Percentage Surfaced Secondary Roads	85.60%	Percentage County Miles FM	35.73%

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	97.958	502.946	22.944	38.521	38.554	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	6.490	3.923	0.000

FARM-TO-MARKET (FM) SUMMARY

Total FM Miles	251.711
FM Miles Open	251.711
FM Miles LNO	0.000
FM Open Miles Surfaced	251.711
FM Open Miles Not Surfaced	0.000
Percentage FM Surfaced	100.00%
Total Open New/Resurfaced FM Miles 2010	8.685
FM in Municipalities Populated Less Than 500	3.863
FM Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	0.000	166.501	18.322	34.540	32.348	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	4.762	3.923	0.000

AREA SERVICE (AS) SUMMARY

Total AS Miles	452.704
AS Miles Open	449.212
AS Miles LNO	3.493
AS Open Miles Surfaced	351.413
AS Open Miles Not Surfaced	97.958
Percentage AS Surfaced	77.63%
Total Open New/Resurfaced AS Miles 2010	1.728
AS Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	97.958	336.445	4.622	3.981	6.206	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	1.728	0.000	0.000

WASHINGTON
92
COUNTY MILES SUMMARY

Secondary Miles	925.025	Rural Open Roads All Systems	1,006.377
Secondary Open Miles	909.465	Rural Primary Miles	96.912
Secondary Legal Not Open (LNO) Miles	15.560	Rural Open Surfaced Miles	917.671
Secondary Open Surfaced Miles	820.759	Total Open New/Resurfaced Rural Miles 2010	0.754
Secondary Open Not Surfaced Miles	88.706	Total Open Rural Miles Unknown Surface Type	0.000
Percentage Surfaced Secondary Roads	88.73%	Percentage County Miles FM	39.36%

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	88.706	660.685	1.161	12.955	145.958	0.000
Total New/Resurfaced Miles 2010	0.000	0.754	0.000	0.000	0.000	0.000

FARM-TO-MARKET (FM) SUMMARY

Total FM Miles	364.060
FM Miles Open	364.060
FM Miles LNO	0.000
FM Open Miles Surfaced	364.060
FM Open Miles Not Surfaced	0.000
Percentage FM Surfaced	100.00%
Total Open New/Resurfaced FM Miles 2010	0.000
FM in Municipalities Populated Less Than 500	2.027
FM Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	0.000	208.223	0.259	12.381	143.198	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	0.000	0.000	0.000

AREA SERVICE (AS) SUMMARY

Total AS Miles	560.965
AS Miles Open	545.405
AS Miles LNO	15.560
AS Open Miles Surfaced	456.699
AS Open Miles Not Surfaced	88.706
Percentage AS Surfaced	81.41%
Total Open New/Resurfaced AS Miles 2010	0.754
AS Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	88.706	452.463	0.902	0.574	2.760	0.000
Total New/Resurfaced Miles 2010	0.000	0.754	0.000	0.000	0.000	0.000

WINNEBAGO

95

COUNTY MILES SUMMARY

Secondary Miles	719.686	Rural Open Roads All Systems	754.639
Secondary Open Miles	714.372	Rural Primary Miles	40.267
Secondary Legal Not Open (LNO) Miles	5.315	Rural Open Surfaced Miles	753.308
Secondary Open Surfaced Miles	713.041	Total Open New/Resurfaced Rural Miles 2010	42.573
Secondary Open Not Surfaced Miles	1.331	Total Open Rural Miles Unknown Surface Type	0.000
Percentage Surfaced Secondary Roads	99.08%	Percentage County Miles FM	28.27%

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	1.331	564.362	0.055	146.324	2.260	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	42.573	0.000	0.000

FARM-TO-MARKET (FM) SUMMARY

Total FM Miles	203.425
FM Miles Open	203.425
FM Miles LNO	0.000
FM Open Miles Surfaced	203.425
FM Open Miles Not Surfaced	0.000
Percentage FM Surfaced	100.00%
Total Open New/Resurfaced FM Miles 2010	41.300
FM in Municipalities Populated Less Than 500	1.421
FM Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	0.000	57.779	0.000	144.835	0.811	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	41.300	0.000	0.000

AREA SERVICE (AS) SUMMARY

Total AS Miles	516.261
AS Miles Open	510.947
AS Miles LNO	5.315
AS Open Miles Surfaced	509.616
AS Open Miles Not Surfaced	1.331
Percentage AS Surfaced	98.71%
Total Open New/Resurfaced AS Miles 2010	1.273
AS Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	1.331	506.583	0.055	1.489	1.449	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	1.273	0.000	0.000

WORTH

98

COUNTY MILES SUMMARY

Secondary Miles	700.152	Rural Open Roads All Systems	751.188
Secondary Open Miles	693.361	Rural Primary Miles	57.827
Secondary Legal Not Open (LNO) Miles	6.792	Rural Open Surfaced Miles	749.139
Secondary Open Surfaced Miles	691.312	Total Open New/Resurfaced Rural Miles 2010	19.869
Secondary Open Not Surfaced Miles	2.049	Total Open Rural Miles Unknown Surface Type	0.000
Percentage Surfaced Secondary Roads	98.74%	Percentage County Miles FM	34.62%

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	2.049	474.042	0.056	156.445	60.769	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	0.000	19.869	0.000

FARM-TO-MARKET (FM) SUMMARY

Total FM Miles	242.394
FM Miles Open	242.394
FM Miles LNO	0.000
FM Open Miles Surfaced	242.394
FM Open Miles Not Surfaced	0.000
Percentage FM Surfaced	100.00%
Total Open New/Resurfaced FM Miles 2010	7.055
FM in Municipalities Populated Less Than 500	6.657
FM Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	0.000	60.513	0.000	137.946	43.935	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	0.000	7.055	0.000

AREA SERVICE (AS) SUMMARY

Total AS Miles	457.758
AS Miles Open	450.967
AS Miles LNO	6.792
AS Open Miles Surfaced	448.918
AS Open Miles Not Surfaced	2.049
Percentage AS Surfaced	98.07%
Total Open New/Resurfaced AS Miles 2010	12.814
AS Open Miles Unknown Surface Type	0.000

Surface Type	Earth	Gravel	Bituminous	Asphalt	PCC	Combination
Total Miles by Surface	2.049	413.529	0.056	18.499	16.834	0.000
Total New/Resurfaced Miles 2010	0.000	0.000	0.000	0.000	12.814	0.000
